



## **Attachments**



## **Attachment A**

January 21, 2022

Report to:  
Briana Greer  
Ouray Silver Mines  
105 Meadow Estates Dr.

Ridgway, CO 81432

cc: Environmental, Accounts Payable

Bill to:  
Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

Project ID:  
ACZ Project ID: L70840

Briana Greer:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 11, 2022. This project has been assigned to ACZ's project number, L70840. Please reference this number in all future inquiries.

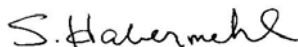
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L70840. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after February 20, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L70840-01**

Date Sampled: 01/10/22 11:35

Date Received: 01/11/22

Sample Matrix: *Waste Water*

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 01/14/22 15:10 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 01/12/22 17:38 | syw     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 01/18/22 15:20 | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 01/15/22 15:17 | jlw     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000094 | B    |    | mg/L  | 0.00005 | 0.00025 | 01/15/22 17:29 | bsu     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 01/15/22 17:29 | bsu     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 01/17/22 10:41 | jlw     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00107  |      |    | mg/L  | 0.0001  | 0.0005  | 01/15/22 17:29 | bsu     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00111  |      |    | mg/L  | 0.0001  | 0.0005  | 01/20/22 11:42 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.188    |      |    | mg/L  | 0.0004  | 0.002   | 01/15/22 17:29 | bsu     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/13/22 13:53 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/15/22 17:29 | bsu     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0760   |      |    | mg/L  | 0.006   | 0.015   | 01/15/22 17:29 | bsu     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 01/13/22 13:31 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.8    | H    |    | units | 0.1   | 0.1  | 01/14/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.4   |      |    | C     | 0.1   | 0.1  | 01/14/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 01/11/22 19:20 | jck     |





#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L70840**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG535086</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG535086ICV     | ICV  | 01/15/22 17:01 | MS220105-1 | .05    |        | .05375  | mg/L  | 108  | 90       | 110     |     |       |      |
| WG535086ICB     | ICB  | 01/15/22 17:02 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG535086LFB     | LFB  | 01/15/22 17:04 | MS211216-3 | .05005 |        | .051945 | mg/L  | 104  | 85       | 115     |     |       |      |
| WG534351PBW     | PBW  | 01/15/22 17:06 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L70649-03AS     | AS   | 01/15/22 17:09 | MS211216-3 | .05005 | U      | .04872  | mg/L  | 97   | 70       | 130     |     |       |      |
| L70649-03ASD    | ASD  | 01/15/22 17:11 | MS211216-3 | .05005 | U      | .052193 | mg/L  | 104  | 70       | 130     | 7   | 20    |      |
| WG535054PBW     | PBW  | 01/15/22 17:12 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535086</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG535086ICV     | ICV  | 01/15/22 17:01 | MS220105-1 | .05 |        | .05318 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG535086ICB     | ICB  | 01/15/22 17:02 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG535086LFB     | LFB  | 01/15/22 17:04 | MS211216-3 | .05 |        | .0491  | mg/L  | 98   | 85       | 115     |     |       |      |
| WG534351PBW     | PBW  | 01/15/22 17:06 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L70649-03AS     | AS   | 01/15/22 17:09 | MS211216-3 | .05 | .00318 | .04819 | mg/L  | 90   | 70       | 130     |     |       |      |
| L70649-03ASD    | ASD  | 01/15/22 17:11 | MS211216-3 | .05 | .00318 | .04748 | mg/L  | 89   | 70       | 130     | 1   | 20    |      |
| WG535054PBW     | PBW  | 01/15/22 17:12 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG534949</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG534949ICV     | ICV  | 01/13/22 13:23 | WI220111-5 | .3003 |        | .3136 | mg/L  | 104  | 90     | 110   |     |       |      |
| WG534949ICB     | ICB  | 01/13/22 13:24 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG534899LRB     | LRB  | 01/13/22 13:24 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG534899LFB     | LFB  | 01/13/22 13:25 | WI220111-2 | .2002 |        | .2018 | mg/L  | 101  | 90     | 110   |     |       |      |
| L70799-01DUP    | DUP  | 01/13/22 13:27 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L70839-01LFM    | LFM  | 01/13/22 13:29 | WI220111-2 | .2002 | .008   | .2014 | mg/L  | 97   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG535120</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG535120ICV     | ICV  | 01/17/22 10:03 | II220110-1 | 2      |        | 2.007 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG535120ICB     | ICB  | 01/17/22 10:09 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG535074LRB     | LRB  | 01/17/22 10:22 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG535074LFB     | LFB  | 01/17/22 10:25 | II211228-2 | 1.0001 |        | 1.058 | mg/L  | 106  | 85     | 115   |     |       |      |
| L70840-01LFM    | LFM  | 01/17/22 10:44 | II211228-2 | 1.0001 | U      | 1.126 | mg/L  | 113  | 70     | 130   |     |       |      |
| L70840-01LFMD   | LFMD | 01/17/22 10:47 | II211228-2 | 1.0001 | U      | 1.107 | mg/L  | 111  | 70     | 130   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L70840**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535086</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG535086ICV     | ICV  | 01/15/22 17:01 | MS220105-1 | .05    |        | .0532  | mg/L  | 106  | 90       | 110     |     |       |      |
| WG535086ICB     | ICB  | 01/15/22 17:02 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG535086LFB     | LFB  | 01/15/22 17:04 | MS211216-3 | .05005 |        | .05343 | mg/L  | 107  | 85       | 115     |     |       |      |
| WG534351PBW     | PBW  | 01/15/22 17:06 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L70649-03AS     | AS   | 01/15/22 17:09 | MS211216-3 | .05005 | .00027 | .05262 | mg/L  | 105  | 70       | 130     |     |       |      |
| L70649-03ASD    | ASD  | 01/15/22 17:11 | MS211216-3 | .05005 | .00027 | .05415 | mg/L  | 108  | 70       | 130     | 3   | 20    |      |
| WG535054PBW     | PBW  | 01/15/22 17:12 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535348</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG535348ICV     | ICV  | 01/20/22 11:31 | MS220105-1 | .05    |        | .05207 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG535348ICB     | ICB  | 01/20/22 11:33 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG535221LRB     | LRB  | 01/20/22 11:35 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG535221LFB     | LFB  | 01/20/22 11:37 | MS211216-3 | .05005 |        | .04945 | mg/L  | 99   | 85       | 115     |     |       |      |
| L70869-01LFM    | LFM  | 01/20/22 11:46 | MS211216-3 | .05005 | .00014 | .05168 | mg/L  | 103  | 70       | 130     |     |       |      |
| L70869-01LFMD   | LFMD | 01/20/22 11:48 | MS211216-3 | .05005 | .00014 | .05134 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535086</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG535086ICV     | ICV  | 01/15/22 17:01 | MS220105-1 | .05   |        | .05301 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG535086ICB     | ICB  | 01/15/22 17:02 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG535086LFB     | LFB  | 01/15/22 17:04 | MS211216-3 | .0498 |        | .05135 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG534351PBW     | PBW  | 01/15/22 17:06 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L70649-03AS     | AS   | 01/15/22 17:09 | MS211216-3 | .0498 | .0207  | .07061 | mg/L  | 100  | 70       | 130     |     |       |      |
| L70649-03ASD    | ASD  | 01/15/22 17:11 | MS211216-3 | .0498 | .0207  | .07243 | mg/L  | 104  | 70       | 130     | 3   | 20    |      |
| WG535054PBW     | PBW  | 01/15/22 17:12 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG534912</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG534912ICV     | ICV  | 01/13/22 9:27  | HG220110-3 | .00501  |        | .00488 | mg/L  | 97   | 95       | 105     |     |       |      |
| WG534912ICB     | ICB  | 01/13/22 9:28  |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG534939</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG534939LRB     | LRB  | 01/13/22 13:39 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG534939LFB     | LFB  | 01/13/22 13:40 | HG220110-6 | .002002 |        | .00186 | mg/L  | 93   | 85       | 115     |     |       |      |
| L70839-01LFM    | LFM  | 01/13/22 13:50 | HG220110-6 | .002002 | U      | .0019  | mg/L  | 95   | 85       | 115     |     |       |      |
| L70839-01LFMD   | LFMD | 01/13/22 13:50 | HG220110-6 | .002002 | U      | .00189 | mg/L  | 94   | 85       | 115     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L70840**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG535066</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG535066LCSW1   | LCSW | 01/14/22 19:20 | PCN62948 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L70852-04DUP    | DUP  | 01/14/22 20:24 |          |    | 7.9    | 7.9   | units |      |       |       | 0   | 20    |      |
| WG535066LCSW4   | LCSW | 01/14/22 22:07 | PCN62948 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG535066LCSW7   | LCSW | 01/15/22 1:23  | PCN62948 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG535066LCSW10  | LCSW | 01/15/22 4:58  | PCN62948 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG535066LCSW13  | LCSW | 01/15/22 8:18  | PCN62948 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG534824</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG534824PBW     | PBW  | 01/11/22 18:45 |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG534824LCSW    | LCSW | 01/11/22 18:47 | PCN65056 | 100 |        | 116   | mg/L  | 116  | 80    | 120   |     |       |      |
| L70851-01DUP    | DUP  | 01/11/22 19:25 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535086</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG535086ICV     | ICV  | 01/15/22 17:01 | MS220105-1 | .02 |        | .02032 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG535086ICB     | ICB  | 01/15/22 17:02 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG535086LFB     | LFB  | 01/15/22 17:04 | MS211216-3 | .01 |        | .00994 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG534351PBW     | PBW  | 01/15/22 17:06 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L70649-03AS     | AS   | 01/15/22 17:09 | MS211216-3 | .01 | U      | .00835 | mg/L  | 84   | 70       | 130     |     |       |      |
| L70649-03ASD    | ASD  | 01/15/22 17:11 | MS211216-3 | .01 | U      | .0092  | mg/L  | 92   | 70       | 130     | 10  | 20    |      |
| WG535054PBW     | PBW  | 01/15/22 17:12 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG535086</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG535086ICV     | ICV  | 01/15/22 17:01 | MS220105-1 | .05     |        | .0519 | mg/L  | 104  | 90      | 110    |     |       |      |
| WG535086ICB     | ICB  | 01/15/22 17:02 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG535086LFB     | LFB  | 01/15/22 17:04 | MS211216-3 | .050075 |        | .055  | mg/L  | 110  | 85      | 115    |     |       |      |
| WG534351PBW     | PBW  | 01/15/22 17:06 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L70649-03AS     | AS   | 01/15/22 17:09 | MS211216-3 | .050075 | .0349  | .0855 | mg/L  | 101  | 70      | 130    |     |       |      |
| L70649-03ASD    | ASD  | 01/15/22 17:11 | MS211216-3 | .050075 | .0349  | .0877 | mg/L  | 105  | 70      | 130    | 3   | 20    |      |
| WG535054PBW     | PBW  | 01/15/22 17:12 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |

**Ouray Silver Mines**

ACZ Project ID: **L70840**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L70840-01 | WG534949 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG534824 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L70840**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L70840

Date Received: 01/11/2022 12:45

Received By:

Date Printed: 1/12/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 6968      | 3.6       | <=6.0                 | 15          | Yes                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L70840

Date Received: 01/11/2022 12:45

Received By:

Date Printed: 1/12/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).





February 10, 2022

Report to:  
Briana Greer  
Ouray Silver Mines  
105 Meadow Estates Dr.

Ridgway, CO 81432

cc: Briana Greer, Accounts Payable, Environmental

Bill to:  
Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

Project ID:  
ACZ Project ID: L71146

Briana Greer:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 27, 2022. This project has been assigned to ACZ's project number, L71146. Please reference this number in all future inquiries.

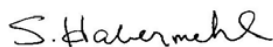
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L71146. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after March 12, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L71146-01**

Date Sampled: 01/26/22 12:26

Date Received: 01/27/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 01/28/22 14:27 | scp     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 01/29/22 1:59  | bls     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 02/01/22 14:50 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 02/03/22 3:40  | jlw     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000124 | B    |    | mg/L  | 0.00005 | 0.00025 | 02/01/22 15:24 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 02/01/22 15:24 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | 0.098    | B    |    | mg/L  | 0.06    | 0.15    | 02/04/22 1:16  | jlw     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00292  |      |    | mg/L  | 0.0001  | 0.0005  | 02/01/22 15:24 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00365  |      |    | mg/L  | 0.0001  | 0.0005  | 02/07/22 21:08 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.206    |      |    | mg/L  | 0.0004  | 0.002   | 02/01/22 15:24 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 02/01/22 11:53 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 02/01/22 15:24 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0837   |      |    | mg/L  | 0.006   | 0.015   | 02/01/22 15:24 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 01/31/22 15:02 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.9    | H    |    | units | 0.1   | 0.1  | 01/29/22 0:00  | eep     |
| pH measured at                             |                                                | 1        | 20.1   |      |    | C     | 0.1   | 0.1  | 01/29/22 0:00  | eep     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 01/28/22 15:39 | scd     |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L71146**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG535984</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG535984ICV     | ICV  | 02/01/22 15:06 | MS220125-1 | .05    |        | .052567 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG535984ICB     | ICB  | 02/01/22 15:07 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG535984LFB     | LFB  | 02/01/22 15:09 | MS220126-3 | .05005 |        | .049674 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG535821PBW     | PBW  | 02/01/22 15:11 |            |        |        | .000068 | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L71112-01AS     | AS   | 02/01/22 15:17 | MS220126-3 | .05005 | .00008 | .046745 | mg/L  | 93   | 70       | 130     |     |       |      |
| L71112-01ASD    | ASD  | 02/01/22 15:19 | MS220126-3 | .05005 | .00008 | .047017 | mg/L  | 94   | 70       | 130     | 1   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535984</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG535984ICV     | ICV  | 02/01/22 15:06 | MS220125-1 | .05 |        | .0543  | mg/L  | 109  | 90       | 110     |     |       |      |
| WG535984ICB     | ICB  | 02/01/22 15:07 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG535984LFB     | LFB  | 02/01/22 15:09 | MS220126-3 | .05 |        | .05037 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG535821PBW     | PBW  | 02/01/22 15:11 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L71112-01AS     | AS   | 02/01/22 15:17 | MS220126-3 | .05 | .00278 | .04106 | mg/L  | 77   | 70       | 130     |     |       |      |
| L71112-01ASD    | ASD  | 02/01/22 15:19 | MS220126-3 | .05 | .00278 | .04135 | mg/L  | 77   | 70       | 130     | 1   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG535908</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG535908ICV     | ICV  | 01/31/22 14:47 | WI220126-5 | .3003 |        | .3077 | mg/L  | 102  | 90     | 110   |     |       |      |
| WG535908ICB     | ICB  | 01/31/22 14:48 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG535842LRB     | LRB  | 01/31/22 14:48 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG535842LFB     | LFB  | 01/31/22 14:49 | WI220126-2 | .2002 |        | .2071 | mg/L  | 103  | 90     | 110   |     |       |      |
| L71146-01DUP    | DUP  | 01/31/22 15:03 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L71147-01LFM    | LFM  | 01/31/22 15:04 | WI220126-2 | .2002 | U      | .2192 | mg/L  | 109  | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG536165</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG536165ICV     | ICV  | 02/03/22 23:52 | II220110-1 | 2      |        | 1.971 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG536165ICB     | ICB  | 02/03/22 23:58 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG536085LRB     | LRB  | 02/04/22 0:11  |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG536085LFB     | LFB  | 02/04/22 0:15  | II220118-3 | 1.0001 |        | .997  | mg/L  | 100  | 85     | 115   |     |       |      |
| L71146-01LFM    | LFM  | 02/04/22 1:19  | II220118-3 | 1.0001 | .098   | 1.069 | mg/L  | 97   | 70     | 130   |     |       |      |
| L71146-01LFMD   | LFMD | 02/04/22 1:29  | II220118-3 | 1.0001 | .098   | 1.133 | mg/L  | 103  | 70     | 130   | 6   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535984</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG535984ICV     | ICV  | 02/01/22 15:06 | MS220125-1 | .05    |        | .05303 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG535984ICB     | ICB  | 02/01/22 15:07 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG535984LFB     | LFB  | 02/01/22 15:09 | MS220126-3 | .05005 |        | .05161 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG535821PBW     | PBW  | 02/01/22 15:11 |            |        |        | .00014 | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71112-01AS     | AS   | 02/01/22 15:17 | MS220126-3 | .05005 | .00013 | .03982 | mg/L  | 79   | 70       | 130     |     |       |      |
| L71112-01ASD    | ASD  | 02/01/22 15:19 | MS220126-3 | .05005 | .00013 | .03997 | mg/L  | 80   | 70       | 130     | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71146**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG536280</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG536280ICV     | ICV  | 02/07/22 20:36 | MS220105-1 | .05    |        | .05209 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG536280ICB     | ICB  | 02/07/22 20:38 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG535937LRB     | LRB  | 02/07/22 20:40 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG535937LFB     | LFB  | 02/07/22 20:42 | MS220126-3 | .05005 |        | .0499  | mg/L  | 100  | 85       | 115     |     |       |      |
| L71153-04LFM    | LFM  | 02/07/22 21:13 | MS220126-3 | .05005 | .00016 | .04999 | mg/L  | 100  | 70       | 130     |     |       |      |
| L71153-04LFMD   | LFMD | 02/07/22 21:15 | MS220126-3 | .05005 | .00016 | .04903 | mg/L  | 98   | 70       | 130     | 2   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535984</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG535984ICV     | ICV  | 02/01/22 15:06 | MS220125-1 | .05   |        | .05392 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG535984ICB     | ICB  | 02/01/22 15:07 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG535984LFB     | LFB  | 02/01/22 15:09 | MS220126-3 | .0498 |        | .05055 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG535821PBW     | PBW  | 02/01/22 15:11 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L71112-01AS     | AS   | 02/01/22 15:17 | MS220126-3 | .0498 | .414   | .45965 | mg/L  | 92   | 70       | 130     |     |       |      |
| L71112-01ASD    | ASD  | 02/01/22 15:19 | MS220126-3 | .0498 | .414   | .45564 | mg/L  | 84   | 70       | 130     | 1   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535881</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG535881ICV1    | ICV  | 02/01/22 9:55  | HG220124-3 | .00501  |        | .00484 | mg/L  | 97   | 90       | 110     |     |       |      |
| WG535881ICB     | ICB  | 02/01/22 9:56  |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG535926</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG535926LRB     | LRB  | 02/01/22 11:31 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG535926LFB     | LFB  | 02/01/22 11:32 | HG220131-4 | .002002 |        | .00189 | mg/L  | 94   | 85       | 115     |     |       |      |
| L71145-01LFM    | LFM  | 02/01/22 11:49 | HG220131-4 | .002002 | U      | .00181 | mg/L  | 90   | 85       | 115     |     |       |      |
| L71145-01LFMD   | LFMD | 02/01/22 11:50 | HG220131-4 | .002002 | U      | .00184 | mg/L  | 92   | 85       | 115     | 2   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG535864</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG535864LCSW1   | LCSW | 01/29/22 13:03 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG535864LCSW4   | LCSW | 01/29/22 15:41 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG535864LCSW7   | LCSW | 01/29/22 19:08 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L71167-01DUP    | DUP  | 01/29/22 21:08 |          |    | 7.9    | 7.9   | units |      |       |       | 0   | 20    |      |
| WG535864LCSW10  | LCSW | 01/29/22 22:52 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG535864LCSW13  | LCSW | 01/30/22 1:37  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG535832</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG535832PBW     | PBW  | 01/28/22 15:20 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG535832LCSW    | LCSW | 01/28/22 15:21 | PCN64725 | 100 |        | 91    | mg/L  | 91   | 80    | 120   |     |       |      |
| L71146-01DUP    | DUP  | 01/28/22 15:40 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**OURAYSM**

ACZ Project ID: **L71146**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG535984</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG535984ICV     | ICV  | 02/01/22 15:06 | MS220125-1 | .02 |        | .0211  | mg/L  | 106  | 90       | 110     |     |       |      |
| WG535984ICB     | ICB  | 02/01/22 15:07 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG535984LFB     | LFB  | 02/01/22 15:09 | MS220126-3 | .01 |        | .00962 | mg/L  | 96   | 85       | 115     |     |       |      |
| WG535821PBW     | PBW  | 02/01/22 15:11 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71112-01AS     | AS   | 02/01/22 15:17 | MS220126-3 | .01 | U      | .00797 | mg/L  | 80   | 70       | 130     |     |       |      |
| L71112-01ASD    | ASD  | 02/01/22 15:19 | MS220126-3 | .01 | U      | .00779 | mg/L  | 78   | 70       | 130     | 2   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG535984</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG535984ICV     | ICV  | 02/01/22 15:06 | MS220125-1 | .05     |        | .052  | mg/L  | 104  | 90      | 110    |     |       |      |
| WG535984ICB     | ICB  | 02/01/22 15:07 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG535984LFB     | LFB  | 02/01/22 15:09 | MS220126-3 | .050075 |        | .0504 | mg/L  | 101  | 85      | 115    |     |       |      |
| WG535821PBW     | PBW  | 02/01/22 15:11 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L71112-01AS     | AS   | 02/01/22 15:17 | MS220126-3 | .050075 | U      | .0447 | mg/L  | 89   | 70      | 130    |     |       |      |
| L71112-01ASD    | ASD  | 02/01/22 15:19 | MS220126-3 | .050075 | U      | .0438 | mg/L  | 87   | 70      | 130    | 2   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L71146**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L71146-01 | WG535908 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG535832 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |



**Ouray Silver Mines**

ACZ Project ID: **L71146**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L71146

Date Received: 01/27/2022 10:17

Received By:

Date Printed: 1/28/2022

**Receipt Verification**

|                                                                                                            | YES | NO | NA |
|------------------------------------------------------------------------------------------------------------|-----|----|----|
| 1) Is a foreign soil permit included for applicable samples?                                               |     |    | X  |
| 2) Is the Chain of Custody form or other directive shipping papers present?                                | X   |    |    |
| 3) Does this project require special handling procedures such as CLP protocol?                             |     | X  |    |
| 4) Are any samples NRC licensable material?                                                                |     |    | X  |
| 5) If samples are received past hold time, proceed with requested short hold time analyses?                | X   |    |    |
| 6) Is the Chain of Custody form complete and accurate?                                                     |     | X  |    |
| The date/time was entered on the COC per the information present on the sample containers for sample(s) 1. |     |    |    |
| The date/time was entered on the COC per the information present on the sample containers for sample(s) 1. |     |    |    |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?                  | X   |    |    |
| A change was made in the Relinquished by: Date:Time section prior to ACZ custody.                          |     |    |    |
| A change was made in the Relinquished by: Date:Time section prior to ACZ custody.                          |     |    |    |

**Samples/Containers**

|                                                                                         | YES | NO | NA |
|-----------------------------------------------------------------------------------------|-----|----|----|
| 8) Are all containers intact and with no leaks?                                         | X   |    |    |
| 9) Are all labels on containers and are they intact and legible?                        | X   |    |    |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | X   |    |    |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | X   |    |    |
| 12) Is there sufficient sample volume to perform all requested work?                    | X   |    |    |
| 13) Is the custody seal intact on all containers?                                       |     |    | X  |
| 14) Are samples that require zero headspace acceptable?                                 |     |    | X  |
| 15) Are all sample containers appropriate for analytical requirements?                  | X   |    |    |
| 16) Is there an Hg-1631 trip blank present?                                             |     |    | X  |
| 17) Is there a VOA trip blank present?                                                  |     |    | X  |
| 18) Were all samples received within hold time?                                         | X   |    |    |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp Criteria (°C) | Rad (µR/Hr) | Custody Seal Intact? |
|-----------|-----------|--------------------|-------------|----------------------|
| -----     | -----     | -----              | -----       | -----                |

Ouray Silver Mines

ACZ Project ID: L71146

Date Received: 01/27/2022 10:17

Received By:

Date Printed: 1/28/2022

6961 2.5 <=6.0 15 N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

## CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

|                                                 |                         |
|-------------------------------------------------|-------------------------|
| Name: Briana Greer                              | Address: 126 Akard Ave. |
| Company: Solid Solution Geosciences LLC         | Montrose CO, 81401      |
| E-mail: briana@solidsolutiongeosciences.com.com | Telephone: 307-760-8838 |

**Copy of Report to:**

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Name: Environmental              | E-mail: environmental@ouraysilvermines.com |
| Company: Ouray Silver Mines Inc. | Telephone: 970-325-9830                    |

**Invoice to:**

|                                       |  |                         |
|---------------------------------------|--|-------------------------|
| Name: Ashlee Briggs                   |  | Address: PO BOX 564     |
| Company: Ouray Silver Mines Inc.      |  | Ouray, CO 81427         |
| E-mail: payables@ouraysilvermines.com |  | Telephone: 970-325-9830 |

**If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?**

|     |                                     |
|-----|-------------------------------------|
| YES | <input checked="" type="checkbox"/> |
| NO  | <input type="checkbox"/>            |

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

**Are samples for SDWA Compliance Monitoring?**

|     |                          |    |                                     |
|-----|--------------------------|----|-------------------------------------|
| Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
|-----|--------------------------|----|-------------------------------------|

**If yes, please include state forms. Results will be reported to PQL for Colorado.**

**Sampler's Name:** Briana Greer      **Sampler's Site Information**      **State** CO      **Zip code** 81427      **Time Zone** Mtn

\*Sampler's Signature: Brian L "I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law."

## PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

|                                                     |  |  |  |                       |  |        |  |                 |  |                                     |  |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------------------------------------|--|--|--|-----------------------|--|--------|--|-----------------|--|-------------------------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Quote #: CDPS-BIMONTH-WW                            |  |  |  |                       |  |        |  |                 |  |                                     |  |                          |                          |                          |                          |                          |                          |                          |                          |
| PO#:                                                |  |  |  |                       |  |        |  |                 |  |                                     |  |                          |                          |                          |                          |                          |                          |                          |                          |
| Reporting state for compliance testing: CO          |  |  |  |                       |  |        |  |                 |  |                                     |  |                          |                          |                          |                          |                          |                          |                          |                          |
| Check box if samples include NRC licensed material? |  |  |  |                       |  |        |  |                 |  |                                     |  | <input type="checkbox"/> |                          |                          |                          |                          |                          |                          |                          |
| SAMPLE IDENTIFICATION                               |  |  |  | DATE: TIME            |  | Matrix |  | # of Containers |  | CDPS-BIMONTH-WW                     |  |                          |                          |                          |                          |                          |                          |                          |                          |
| OF002A                                              |  |  |  | 1/26/22 12:26         |  | WW     |  |                 |  | <input checked="" type="checkbox"/> |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  | Entered per container |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  | 21 1/27/22            |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |  |  |                       |  | WW     |  |                 |  | <input type="checkbox"/>            |  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                          |                          |                          |                          |                          |

## REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

| RELINQUISHED BY: | DATE: TIME        | RECEIVED BY: | DATE: TIME   |
|------------------|-------------------|--------------|--------------|
| Brian D          | 4/1/22<br>1:53 PM | JJ           | 1/27/22 1017 |
|                  |                   |              |              |
|                  |                   |              |              |

FRMAD050.06.14.14

White - Return with sample.      Yellow - Retain for your records.

February 23, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Environmental

Project ID:

ACZ Project ID: L71412

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 11, 2022. This project has been assigned to ACZ's project number, L71412. Please reference this number in all future inquiries.

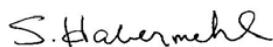
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L71412. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after March 25, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L71412-01**

Date Sampled: 02/10/22 12:30

Date Received: 02/11/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 02/12/22 11:15 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 02/16/22 11:11 | bls     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 02/15/22 8:55  | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 02/18/22 13:47 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000105 | B    |    | mg/L  | 0.00005 | 0.00025 | 02/15/22 11:42 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 02/15/22 11:42 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 02/21/22 11:15 | jlw     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00125  |      |    | mg/L  | 0.0001  | 0.0005  | 02/15/22 11:42 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00127  |      |    | mg/L  | 0.0001  | 0.0005  | 02/17/22 12:12 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.188    |      |    | mg/L  | 0.0004  | 0.002   | 02/15/22 11:42 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 02/15/22 15:14 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 02/17/22 10:30 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0768   |      |    | mg/L  | 0.006   | 0.015   | 02/15/22 11:42 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 02/17/22 13:36 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.0    | H    |    | units | 0.1   | 0.1  | 02/16/22 0:00  | eep     |
| pH measured at                             |                                                | 1        | 22.1   |      |    | C     | 0.1   | 0.1  | 02/16/22 0:00  | eep     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 02/11/22 16:25 | sod     |



## Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

## QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

## QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

## ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

## Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

## Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L71412**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG536687</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG536687ICV     | ICV  | 02/15/22 11:11 | MS220105-1 | .05    |        | .04969  | mg/L  | 99   | 90       | 110     |     |       |      |
| WG536687ICB     | ICB  | 02/15/22 11:13 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG536687LFB     | LFB  | 02/15/22 11:15 | MS220126-3 | .05005 |        | .050289 | mg/L  | 100  | 85       | 115     |     |       |      |
| WG536606PBW     | PBW  | 02/15/22 11:17 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L71377-03AS     | AS   | 02/15/22 11:25 | MS220126-3 | .05005 | U      | .050177 | mg/L  | 100  | 70       | 130     |     |       |      |
| L71377-03ASD    | ASD  | 02/15/22 11:27 | MS220126-3 | .05005 | U      | .051009 | mg/L  | 102  | 70       | 130     | 2   | 20    |      |
| WG536650PBW     | PBW  | 02/15/22 11:44 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG536687</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG536687ICV     | ICV  | 02/15/22 11:11 | MS220105-1 | .05 |        | .05171 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG536687ICB     | ICB  | 02/15/22 11:13 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG536687LFB     | LFB  | 02/15/22 11:15 | MS220126-3 | .05 |        | .04969 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG536606PBW     | PBW  | 02/15/22 11:17 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L71377-03AS     | AS   | 02/15/22 11:25 | MS220126-3 | .05 | .00335 | .04517 | mg/L  | 84   | 70       | 130     |     |       |      |
| L71377-03ASD    | ASD  | 02/15/22 11:27 | MS220126-3 | .05 | .00335 | .04278 | mg/L  | 79   | 70       | 130     | 5   | 20    |      |
| WG536650PBW     | PBW  | 02/15/22 11:44 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG536860</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG536860ICV     | ICV  | 02/17/22 13:22 | WI220213-6 | .3003 |        | .3099 | mg/L  | 103  | 90     | 110   |     |       |      |
| WG536860ICB     | ICB  | 02/17/22 13:23 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG536763LRB     | LRB  | 02/17/22 13:24 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG536763LFB     | LFB  | 02/17/22 13:25 | WI220213-4 | .2002 |        | .2057 | mg/L  | 103  | 90     | 110   |     |       |      |
| L71365-01DUP    | DUP  | 02/17/22 13:26 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L71376-02LFM    | LFM  | 02/17/22 13:28 | WI220213-4 | .2002 | U      | .1903 | mg/L  | 95   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG537060</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG537060ICV     | ICV  | 02/21/22 9:51  | II220215-3 | 2      |        | 1.995 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG537060ICB     | ICB  | 02/21/22 9:58  |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG536890LRB     | LRB  | 02/21/22 10:10 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG536890LFB     | LFB  | 02/21/22 10:14 | II220215-2 | 1.0001 |        | 1.038 | mg/L  | 104  | 85     | 115   |     |       |      |
| L71414-03LFM    | LFM  | 02/21/22 11:34 | II220215-2 | 1.0001 | U      | 1.068 | mg/L  | 107  | 70     | 130   |     |       |      |
| L71414-03LFMD   | LFMD | 02/21/22 11:37 | II220215-2 | 1.0001 | U      | 1.048 | mg/L  | 105  | 70     | 130   | 2   | 20    |      |



**OURAYSM**

ACZ Project ID: **L71412**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG536687</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG536687ICV     | ICV  | 02/15/22 11:11 | MS220105-1 | .05    |        | .05113 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG536687ICB     | ICB  | 02/15/22 11:13 |            |        |        | .00013 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG536687LFB     | LFB  | 02/15/22 11:15 | MS220126-3 | .05005 |        | .0515  | mg/L  | 103  | 85       | 115     |     |       |      |
| WG536606PBW     | PBW  | 02/15/22 11:17 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71377-03AS     | AS   | 02/15/22 11:25 | MS220126-3 | .05005 | .00037 | .05628 | mg/L  | 112  | 70       | 130     |     |       |      |
| L71377-03ASD    | ASD  | 02/15/22 11:27 | MS220126-3 | .05005 | .00037 | .0587  | mg/L  | 117  | 70       | 130     | 4   | 20    |      |
| WG536650PBW     | PBW  | 02/15/22 11:44 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG536854</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG536854ICV     | ICV  | 02/17/22 11:24 | MS220125-1 | .05    |        | .05226 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG536854ICB     | ICB  | 02/17/22 11:26 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG536680LRB     | LRB  | 02/17/22 11:28 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG536680LFB     | LFB  | 02/17/22 11:30 | MS220126-3 | .05005 |        | .04772 | mg/L  | 95   | 85       | 115     |     |       |      |
| L71415-04LFM    | LFM  | 02/17/22 12:16 | MS220126-3 | .05005 | .00132 | .05131 | mg/L  | 100  | 70       | 130     |     |       |      |
| L71415-04LFMD   | LFMD | 02/17/22 12:18 | MS220126-3 | .05005 | .00132 | .05201 | mg/L  | 101  | 70       | 130     | 1   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG536687</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG536687ICV     | ICV  | 02/15/22 11:11 | MS220105-1 | .05   |        | .05241 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG536687ICB     | ICB  | 02/15/22 11:13 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG536687LFB     | LFB  | 02/15/22 11:15 | MS220126-3 | .0498 |        | .05099 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG536606PBW     | PBW  | 02/15/22 11:17 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L71377-03AS     | AS   | 02/15/22 11:25 | MS220126-3 | .0498 | .0145  | .06768 | mg/L  | 107  | 70       | 130     |     |       |      |
| L71377-03ASD    | ASD  | 02/15/22 11:27 | MS220126-3 | .0498 | .0145  | .06918 | mg/L  | 110  | 70       | 130     | 2   | 20    |      |
| WG536650PBW     | PBW  | 02/15/22 11:44 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG536681</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG536681ICV1    | ICV  | 02/15/22 12:10 | HG220214-3 | .00501  |        | .00514 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG536681ICB     | ICB  | 02/15/22 12:11 |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG536685</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG536685LRB     | LRB  | 02/15/22 14:52 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG536685LFB     | LFB  | 02/15/22 14:53 | HG220214-6 | .002002 |        | .002   | mg/L  | 100  | 85       | 115     |     |       |      |
| L71421-01LFM    | LFM  | 02/15/22 15:19 | HG220214-6 | .002002 | U      | .0018  | mg/L  | 90   | 85       | 115     |     |       |      |
| L71421-01LFMD   | LFMD | 02/15/22 15:20 | HG220214-6 | .002002 | U      | .00176 | mg/L  | 88   | 85       | 115     | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71412**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab) SM4500H+ B**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG536739</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG536739LCSW1   | LCSW | 02/15/22 17:12 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG536739LCSW4   | LCSW | 02/15/22 21:25 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L71442-02DUP    | DUP  | 02/16/22 1:34  |          |    | 8.4    | 8.4   | units |      |       |       | 0   | 20    |      |
| WG536739LCSW7   | LCSW | 02/16/22 1:38  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG536739LCSW10  | LCSW | 02/16/22 5:03  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG536596</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG536596PBW     | PBW  | 02/11/22 15:50 |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG536596LCSW    | LCSW | 02/11/22 15:52 | PCN64729 | 100 |        | 107   | mg/L  | 107  | 80    | 120   |     |       |      |
| L71423-01DUP    | DUP  | 02/11/22 16:44 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG536840</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG536840ICV     | ICV  | 02/17/22 9:39  | MS220125-1 | .02 |        | .02157 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG536840ICB     | ICB  | 02/17/22 9:41  |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG536840LFB     | LFB  | 02/17/22 9:43  | MS220126-3 | .01 |        | .00952 | mg/L  | 95   | 85       | 115     |     |       |      |
| WG536330PBW     | PBW  | 02/17/22 9:45  |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG536553PBW     | PBW  | 02/17/22 9:49  |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG536606PBW     | PBW  | 02/17/22 10:08 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71377-03AS     | AS   | 02/17/22 10:23 | MS220126-3 | .01 | U      | .00713 | mg/L  | 71   | 70       | 130     |     |       |      |
| L71377-03ASD    | ASD  | 02/17/22 10:29 | MS220126-3 | .01 | U      | .00803 | mg/L  | 80   | 70       | 130     | 12  | 20    |      |

**Zinc, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG536687</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG536687ICV     | ICV  | 02/15/22 11:11 | MS220105-1 | .05     |        | .0499 | mg/L  | 100  | 90      | 110    |     |       |      |
| WG536687ICB     | ICB  | 02/15/22 11:13 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG536687LFB     | LFB  | 02/15/22 11:15 | MS220126-3 | .050075 |        | .0507 | mg/L  | 101  | 85      | 115    |     |       |      |
| WG536606PBW     | PBW  | 02/15/22 11:17 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L71377-03AS     | AS   | 02/15/22 11:25 | MS220126-3 | .050075 | .0465  | .094  | mg/L  | 95   | 70      | 130    |     |       |      |
| L71377-03ASD    | ASD  | 02/15/22 11:27 | MS220126-3 | .050075 | .0465  | .0957 | mg/L  | 98   | 70      | 130    | 2   | 20    |      |
| WG536650PBW     | PBW  | 02/15/22 11:44 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |

**Ouray Silver Mines**ACZ Project ID: **L71412**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L71412-01 | WG536860 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG536596 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L71412**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L71412

Date Received: 02/11/2022 11:06

Received By:

Date Printed: 2/14/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA36961   | 1.3       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L71412

Date Received: 02/11/2022 11:06

Received By:

Date Printed: 2/14/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



March 03, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Environmental

Project ID:

ACZ Project ID: L71542

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 18, 2022. This project has been assigned to ACZ's project number, L71542. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L71542. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 02, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Sue Webber has reviewed and  
approved this report.





**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L71542-01**

Date Sampled: 02/17/22 12:30

Date Received: 02/18/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 02/21/22 14:15 | kja     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 02/22/22 10:32 | bls     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 02/22/22 15:00 | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 02/24/22 17:27 | jlw     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000080 | B    |    | mg/L  | 0.00005 | 0.00025 | 02/24/22 11:32 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 02/24/22 11:32 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 02/28/22 17:30 | jlw     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00079  |      |    | mg/L  | 0.0001  | 0.0005  | 02/24/22 11:32 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00081  |      |    | mg/L  | 0.0001  | 0.0005  | 02/23/22 15:33 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.169    |      |    | mg/L  | 0.0004  | 0.002   | 02/24/22 11:32 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 02/24/22 11:12 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 02/24/22 11:32 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0678   |      |    | mg/L  | 0.006   | 0.015   | 02/24/22 11:32 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 02/23/22 15:09 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.6    | H    |    | units | 0.1   | 0.1  | 02/25/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.4   |      |    | C     | 0.1   | 0.1  | 02/25/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 02/21/22 11:20 | anc     |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L71542**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG537316</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG537316ICV     | ICV  | 02/24/22 11:13 | MS220105-1 | .05    |        | .053459 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG537316ICB     | ICB  | 02/24/22 11:15 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG537316LFB     | LFB  | 02/24/22 11:17 | MS220126-3 | .05005 |        | .049257 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG536952PBW     | PBW  | 02/24/22 11:20 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG537036PBW     | PBW  | 02/24/22 11:24 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG537104PBW     | PBW  | 02/24/22 11:28 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L71542-01AS     | AS   | 02/24/22 11:34 | MS220126-3 | .05005 | .00008 | .051738 | mg/L  | 103  | 70       | 130     |     |       |      |
| L71542-01ASD    | ASD  | 02/24/22 11:36 | MS220126-3 | .05005 | .00008 | .053753 | mg/L  | 107  | 70       | 130     | 4   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG537316</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG537316ICV     | ICV  | 02/24/22 11:13 | MS220105-1 | .05 |        | .05213 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG537316ICB     | ICB  | 02/24/22 11:15 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG537316LFB     | LFB  | 02/24/22 11:17 | MS220126-3 | .05 |        | .04721 | mg/L  | 94   | 85       | 115     |     |       |      |
| WG536952PBW     | PBW  | 02/24/22 11:20 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG537036PBW     | PBW  | 02/24/22 11:24 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG537104PBW     | PBW  | 02/24/22 11:28 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L71542-01AS     | AS   | 02/24/22 11:34 | MS220126-3 | .05 | U      | .04689 | mg/L  | 94   | 70       | 130     |     |       |      |
| L71542-01ASD    | ASD  | 02/24/22 11:36 | MS220126-3 | .05 | U      | .0458  | mg/L  | 92   | 70       | 130     | 2   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG537254</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG537254ICV     | ICV  | 02/23/22 14:08 | WI220213-6 | .3003 |        | .31   | mg/L  | 103  | 90     | 110   |     |       |      |
| WG537254ICB     | ICB  | 02/23/22 14:09 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG537266</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG537132LRB     | LRB  | 02/23/22 14:53 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG537132LFB     | LFB  | 02/23/22 14:54 | WI220213-4 | .2002 |        | .1991 | mg/L  | 99   | 90     | 110   |     |       |      |
| L71541-01DUP    | DUP  | 02/23/22 15:09 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L71542-01LFM    | LFM  | 02/23/22 15:10 | WI220213-4 | .2002 | U      | .2038 | mg/L  | 102  | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG537470</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG537470ICV     | ICV  | 02/28/22 16:46 | II220215-3 | 2      |        | 1.971 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG537470ICB     | ICB  | 02/28/22 16:52 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG537345LRB     | LRB  | 02/28/22 17:08 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG537345LFB     | LFB  | 02/28/22 17:11 | II220215-2 | 1.0001 |        | .99   | mg/L  | 99   | 85     | 115   |     |       |      |
| L71555-01LFM    | LFM  | 02/28/22 17:43 | II220215-2 | 1.0001 | U      | 1.086 | mg/L  | 109  | 70     | 130   |     |       |      |
| L71555-01LFMD   | LFMD | 02/28/22 17:47 | II220215-2 | 1.0001 | U      | 1.062 | mg/L  | 106  | 70     | 130   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71542**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG537316</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG537316ICV     | ICV  | 02/24/22 11:13 | MS220105-1 | .05    |        | .0543  | mg/L  | 109  | 90       | 110     |     |       |      |
| WG537316ICB     | ICB  | 02/24/22 11:15 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG537316LFB     | LFB  | 02/24/22 11:17 | MS220126-3 | .05005 |        | .05106 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG536952PBW     | PBW  | 02/24/22 11:20 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG537036PBW     | PBW  | 02/24/22 11:24 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG537104PBW     | PBW  | 02/24/22 11:28 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71542-01AS     | AS   | 02/24/22 11:34 | MS220126-3 | .05005 | .00079 | .05344 | mg/L  | 105  | 70       | 130     |     |       |      |
| L71542-01ASD    | ASD  | 02/24/22 11:36 | MS220126-3 | .05005 | .00079 | .0547  | mg/L  | 108  | 70       | 130     | 2   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG537259</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG537259ICV     | ICV  | 02/23/22 15:16 | MS220125-1 | .05    |        | .05389 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG537259ICB     | ICB  | 02/23/22 15:18 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG537169LRB     | LRB  | 02/23/22 15:20 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG537169LFB     | LFB  | 02/23/22 15:21 | MS220126-3 | .05005 |        | .04619 | mg/L  | 92   | 85       | 115     |     |       |      |
| L71537-01LFM    | LFM  | 02/23/22 15:27 | MS220126-3 | .05005 | U      | .04878 | mg/L  | 97   | 70       | 130     |     |       |      |
| L71537-01LFMD   | LFMD | 02/23/22 15:29 | MS220126-3 | .05005 | U      | .0479  | mg/L  | 96   | 70       | 130     | 2   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG537316</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG537316ICV     | ICV  | 02/24/22 11:13 | MS220105-1 | .05   |        | .05468 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG537316ICB     | ICB  | 02/24/22 11:15 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG537316LFB     | LFB  | 02/24/22 11:17 | MS220126-3 | .0498 |        | .05078 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG536952PBW     | PBW  | 02/24/22 11:20 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG537036PBW     | PBW  | 02/24/22 11:24 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG537104PBW     | PBW  | 02/24/22 11:28 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L71542-01AS     | AS   | 02/24/22 11:34 | MS220126-3 | .0498 | .169   | .21878 | mg/L  | 100  | 70       | 130     |     |       |      |
| L71542-01ASD    | ASD  | 02/24/22 11:36 | MS220126-3 | .0498 | .169   | .22183 | mg/L  | 106  | 70       | 130     | 1   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG537216</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG537216ICV     | ICV  | 02/24/22 10:29 | HG220214-3 | .00501  |        | .0051  | mg/L  | 102  | 95       | 105     |     |       |      |
| WG537216ICB     | ICB  | 02/24/22 10:30 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG537217</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG537217LRB     | LRB  | 02/24/22 11:05 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG537217LFB     | LFB  | 02/24/22 11:06 | HG220214-6 | .002002 |        | .00206 | mg/L  | 103  | 85       | 115     |     |       |      |
| L71353-09LFM    | LFM  | 02/24/22 11:08 | HG220214-6 | .002002 | U      | .00202 | mg/L  | 101  | 85       | 115     |     |       |      |
| L71353-09LFMD   | LFMD | 02/24/22 11:09 | HG220214-6 | .002002 | U      | .00203 | mg/L  | 101  | 85       | 115     | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71542**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537361</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG537361LCSW1   | LCSW | 02/24/22 18:42 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537361LCSW4   | LCSW | 02/24/22 21:52 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537361LCSW7   | LCSW | 02/25/22 1:02  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L71543-05DUP    | DUP  | 02/25/22 2:47  |          |    | 7.9    | 7.9   | units |      |       |       | 0   | 20    |      |
| WG537361LCSW10  | LCSW | 02/25/22 4:15  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537361LCSW13  | LCSW | 02/25/22 7:12  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537071</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG537071PBW     | PBW  | 02/21/22 10:57 |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG537071LCSW    | LCSW | 02/21/22 10:59 | PCN64728 | 100 |        | 87    | mg/L  | 87   | 80    | 120   |     |       |      |
| L71553-01DUP    | DUP  | 02/21/22 11:28 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG537316</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG537316ICV     | ICV  | 02/24/22 11:13 | MS220105-1 | .02 |        | .02139 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG537316ICB     | ICB  | 02/24/22 11:15 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG537316LFB     | LFB  | 02/24/22 11:17 | MS220126-3 | .01 |        | .00855 | mg/L  | 86   | 85       | 115     |     |       |      |
| WG536952PBW     | PBW  | 02/24/22 11:20 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG537036PBW     | PBW  | 02/24/22 11:24 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG537104PBW     | PBW  | 02/24/22 11:28 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71542-01AS     | AS   | 02/24/22 11:34 | MS220126-3 | .01 | U      | .00838 | mg/L  | 84   | 70       | 130     |     |       |      |
| L71542-01ASD    | ASD  | 02/24/22 11:36 | MS220126-3 | .01 | U      | .00868 | mg/L  | 87   | 70       | 130     | 4   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG537316</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG537316ICV     | ICV  | 02/24/22 11:13 | MS220105-1 | .05     |        | .0502 | mg/L  | 100  | 90      | 110    |     |       |      |
| WG537316ICB     | ICB  | 02/24/22 11:15 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG537316LFB     | LFB  | 02/24/22 11:17 | MS220126-3 | .050075 |        | .0475 | mg/L  | 95   | 85      | 115    |     |       |      |
| WG536952PBW     | PBW  | 02/24/22 11:20 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG537036PBW     | PBW  | 02/24/22 11:24 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG537104PBW     | PBW  | 02/24/22 11:28 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L71542-01AS     | AS   | 02/24/22 11:34 | MS220126-3 | .050075 | .0678  | .1161 | mg/L  | 96   | 70      | 130    |     |       |      |
| L71542-01ASD    | ASD  | 02/24/22 11:36 | MS220126-3 | .050075 | .0678  | .1189 | mg/L  | 102  | 70      | 130    | 2   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L71542**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L71542-01 | WG537266 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG537071 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L71542**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L71542

Date Received: 02/18/2022 10:20

Received By:

Date Printed: 2/21/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                          | YES                                 | NO                       | NA                                  |
|------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                        | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| L71542-01 : A Green PD container not received and a new container created from the Raw . |                                     |                          |                                     |
| L71542-01 : A Green PD container not received and a new container created from the Raw . |                                     |                          |                                     |
| 16) Is there an Hg-1631 trip blank present?                                              | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp Criteria (°C) | Rad (µR/Hr) | Custody Seal Intact? |
|-----------|-----------|--------------------|-------------|----------------------|
| NA37004   | 2.7       | <=6.0              | 15          | N/A                  |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).



Ouray Silver Mines

ACZ Project ID: L71542

Date Received: 02/18/2022 10:20

Received By:

Date Printed: 2/21/2022

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



March 22, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L71784

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 04, 2022. This project has been assigned to ACZ's project number, L71784. Please reference this number in all future inquiries.

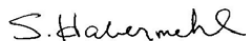
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L71784. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 21, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L71784-01**

Date Sampled: 03/02/22 00:00

Date Received: 03/04/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 03/09/22 14:29 | kja     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 03/10/22 1:46  | bls     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 03/09/22 18:20 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 03/12/22 2:42  | wtc     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000063 | B    |    | mg/L  | 0.00005 | 0.00025 | 03/18/22 22:02 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 03/18/22 22:02 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 03/16/22 2:55  | jlw     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00044  | B    |    | mg/L  | 0.0001  | 0.0005  | 03/18/22 22:02 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00060  |      |    | mg/L  | 0.0001  | 0.0005  | 03/10/22 18:36 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.144    |      |    | mg/L  | 0.0004  | 0.002   | 03/18/22 22:02 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/08/22 12:30 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/18/22 22:02 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0481   |      |    | mg/L  | 0.006   | 0.015   | 03/18/22 22:02 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 03/10/22 13:25 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.0    | H    |    | units | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.3   |      |    | C     | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 03/07/22 13:56 | anc     |

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L71784-02**

Date Sampled: 03/02/22 00:00

Date Received: 03/04/22

Sample Matrix: Waste Water

**Inorganic Prep**

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 03/09/22 18:31 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 03/09/22 20:08 | kja     |

**Metals Analysis**

| Parameter                             | EPA Method                                   | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|---------------------------------------|----------------------------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Arsenic, total recoverable            | M200.8 ICP-MS                                | 1        | 0.00154  |      |    | mg/L  | 0.0002  | 0.001   | 03/10/22 17:35 | kja     |
| Cadmium, total                        | M200.8 ICP-MS                                | 1        | 0.000069 | B    |    | mg/L  | 0.00005 | 0.00025 | 03/10/22 18:38 | kja     |
| Chromium, total recoverable           | M200.8 ICP-MS                                | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 03/10/22 17:35 | kja     |
| Chromium, Trivalent Total Recoverable | Calculation (Total Recoverable - Hexavalent) |          | <0.005   | U    |    | mg/L  | 0.005   | 0.02    | 03/22/22 0:00  | calc    |
| Copper, total                         | M200.8 ICP-MS                                | 1        | <0.0008  | U    | *  | mg/L  | 0.0008  | 0.002   | 03/10/22 18:38 | kja     |
| Mercury, total                        | M1631E, Atomic Fluorescence                  | 1        | 0.57     | B    |    | ng/L  | 0.3     | 1       | 03/14/22 15:01 | mfm     |
| Zinc, total                           | M200.8 ICP-MS                                | 1        | 0.0492   |      | *  | mg/L  | 0.006   | 0.015   | 03/10/22 18:38 | kja     |

**Wet Chemistry**

| Parameter                       | EPA Method | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|---------------------------------|------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Dissolved Chromium, Hexavalent  | SM3500Cr-B | 1        | <0.005 | UH   | *  | mg/L  | 0.005 | 0.02 | 03/04/22 13:46 | anc     |
| Residue, Filterable (TDS) @180C | SM2540C    | 1        | 280    |      |    | mg/L  | 20    | 40   | 03/04/22 16:12 | jck     |

**Ouray Silver Mines**

Project ID:

Sample ID: HG TRIP BLANK

ACZ Sample ID: **L71784-03**

Date Sampled: 03/02/22 00:00

Date Received: 03/04/22

Sample Matrix: Waste Water

Metals Analysis

| Parameter      | EPA Method                  | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|----------------|-----------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Mercury, total | M1631E, Atomic Fluorescence | 1        | <0.3   | U    |    | ng/L  | 0.3 | 1   | 03/14/22 15:16 | mfm     |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L71784**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538055</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG538055ICV     | ICV  | 03/10/22 16:42 | MS220125-1 | .05    |        | .05037 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG538055ICB     | ICB  | 03/10/22 16:44 |            |        |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG537951LRB     | LRB  | 03/10/22 16:46 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG537951LFB     | LFB  | 03/10/22 16:48 | MS220228-9 | .05005 |        | .05081 | mg/L  | 102  | 85       | 115     |     |       |      |
| L71756-02LFM    | LFM  | 03/10/22 17:32 | MS220228-9 | .05005 | U      | .04954 | mg/L  | 99   | 70       | 130     |     |       |      |
| L71756-02LFMD   | LFMD | 03/10/22 17:34 | MS220228-9 | .05005 | U      | .04903 | mg/L  | 98   | 70       | 130     | 1   | 20    |      |

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG538542</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG538542ICV     | ICV  | 03/18/22 21:49 | MS220125-1 | .05    |        | .050596 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG538542ICB     | ICB  | 03/18/22 21:51 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG538542LFB     | LFB  | 03/18/22 21:53 | MS220228-9 | .05005 |        | .048874 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG537824PBW     | PBW  | 03/18/22 21:55 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG537970PBW     | PBW  | 03/18/22 21:58 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG538209PBW     | PBW  | 03/18/22 22:04 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L71949-01AS     | AS   | 03/18/22 22:11 | MS220228-9 | .05005 | U      | .047034 | mg/L  | 94   | 70       | 130     |     |       |      |
| L71949-01ASD    | ASD  | 03/18/22 22:13 | MS220228-9 | .05005 | U      | .049623 | mg/L  | 99   | 70       | 130     | 5   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG538075</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG538075ICV     | ICV  | 03/10/22 18:05 | MS220125-1 | .05    |        | .051041 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG538075ICB     | ICB  | 03/10/22 18:07 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG537952LRB     | LRB  | 03/10/22 18:09 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG537952LFB     | LFB  | 03/10/22 18:10 | MS220228-9 | .05005 |        | .048444 | mg/L  | 97   | 85       | 115     |     |       |      |
| L71773-05LFM    | LFM  | 03/10/22 18:27 | MS220228-9 | .05005 | .00278 | .050795 | mg/L  | 96   | 70       | 130     |     |       |      |
| L71773-05LFMD   | LFMD | 03/10/22 18:29 | MS220228-9 | .05005 | .00278 | .050333 | mg/L  | 95   | 70       | 130     | 1   | 20    |      |
| L71806-01LFM    | LFM  | 03/10/22 18:54 | MS220228-9 | .05005 | .0176  | .066766 | mg/L  | 98   | 70       | 130     |     |       |      |
| L71806-01LFMD   | LFMD | 03/10/22 18:56 | MS220228-9 | .05005 | .0176  | .067215 | mg/L  | 99   | 70       | 130     | 1   | 20    |      |

**Chromium, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG538055</b> |      |                |            |     |        |        |       |      |         |        |     |       |      |
| WG538055ICV     | ICV  | 03/10/22 16:42 | MS220125-1 | .05 |        | .0504  | mg/L  | 101  | 90      | 110    |     |       |      |
| WG538055ICB     | ICB  | 03/10/22 16:44 |            |     |        | U      | mg/L  |      | -0.0015 | 0.0015 |     |       |      |
| WG537951LRB     | LRB  | 03/10/22 16:46 |            |     |        | .00075 | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG537951LFB     | LFB  | 03/10/22 16:48 | MS220228-9 | .05 |        | .04999 | mg/L  | 100  | 85      | 115    |     |       |      |
| L71756-02LFM    | LFM  | 03/10/22 17:32 | MS220228-9 | .05 | .00088 | .04782 | mg/L  | 94   | 70      | 130    |     |       |      |
| L71756-02LFMD   | LFMD | 03/10/22 17:34 | MS220228-9 | .05 | .00088 | .04754 | mg/L  | 93   | 70      | 130    | 1   | 20    |      |



**OURAYSM**

ACZ Project ID: **L71784**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538542</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538542ICV     | ICV  | 03/18/22 21:49 | MS220125-1 | .05 |        | .05488 | mg/L  | 110  | 90       | 110     |     |       |      |
| WG538542ICB     | ICB  | 03/18/22 21:51 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG538542LFB     | LFB  | 03/18/22 21:53 | MS220228-9 | .05 |        | .05015 | mg/L  | 100  | 85       | 115     |     |       |      |
| WG537824PBW     | PBW  | 03/18/22 21:55 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG537970PBW     | PBW  | 03/18/22 21:58 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG538209PBW     | PBW  | 03/18/22 22:04 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L71949-01AS     | AS   | 03/18/22 22:11 | MS220228-9 | .05 | .00956 | .05487 | mg/L  | 91   | 70       | 130     |     |       |      |
| L71949-01ASD    | ASD  | 03/18/22 22:13 | MS220228-9 | .05 | .00956 | .0567  | mg/L  | 94   | 70       | 130     | 3   | 20    |      |

**Copper, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found    | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|----------|-------|------|----------|---------|-----|-------|------|
| <b>WG538075</b> |      |                |            |     |        |          |       |      |          |         |     |       |      |
| WG538075ICV     | ICV  | 03/10/22 18:05 | MS220125-1 | .05 |        | .05355   | mg/L  | 107  | 90       | 110     |     |       |      |
| WG538075ICB     | ICB  | 03/10/22 18:07 |            |     |        | U        | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG537952LRB     | LRB  | 03/10/22 18:09 |            |     |        | U        | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG537952LFB     | LFB  | 03/10/22 18:10 | MS220228-9 | .05 |        | .04967   | mg/L  | 99   | 85       | 115     |     |       |      |
| L71773-05LFM    | LFM  | 03/10/22 18:27 | MS220228-9 | .05 | .00339 | .04863   | mg/L  | 90   | 70       | 130     |     |       |      |
| L71773-05LFMD   | LFMD | 03/10/22 18:29 | MS220228-9 | .05 | .00339 | .04843   | mg/L  | 90   | 70       | 130     | 0   | 20    |      |
| L71806-01LFM    | LFM  | 03/10/22 18:54 | MS220228-9 | .05 | 10.1   | 10.19798 | mg/L  | 196  | 70       | 130     |     |       | M3   |
| L71806-01LFMD   | LFMD | 03/10/22 18:56 | MS220228-9 | .05 | 10.1   | 10.1476  | mg/L  | 95   | 70       | 130     | 0   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG538049</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG538049ICV     | ICV  | 03/10/22 13:12 | WI220228-9 | .3003 |        | .3202 | mg/L  | 107  | 90     | 110   |     |       |      |
| WG538049ICB     | ICB  | 03/10/22 13:13 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG538003LRB     | LRB  | 03/10/22 13:13 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG538003LFB     | LFB  | 03/10/22 13:14 | WI220228-2 | .2002 |        | .1992 | mg/L  | 100  | 90     | 110   |     |       |      |
| L71827-03DUP    | DUP  | 03/10/22 13:35 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L71841-01LFM    | LFM  | 03/10/22 13:38 | WI220228-2 | .2002 | U      | .1944 | mg/L  | 97   | 90     | 110   |     |       |      |

**Dissolved Chromium, Hexavalent**

SM3500Cr-B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG537739</b> |      |                |            |     |        |       |       |      |        |       |     |       |      |
| WG537739ICV     | ICV  | 03/04/22 13:16 | WC211015-5 | .05 |        | .0457 | mg/L  | 91   | 90     | 110   |     |       |      |
| WG537739ICB     | ICB  | 03/04/22 13:23 |            |     |        | U     | mg/L  |      | -0.005 | 0.005 |     |       |      |
| WG537739LFB     | LFB  | 03/04/22 13:31 | WC211015-7 | .05 |        | .0519 | mg/L  | 104  | 90     | 110   |     |       |      |
| L71788-02AS     | AS   | 03/04/22 14:17 | WC211015-7 | .05 | U      | .0456 | mg/L  | 91   | 90     | 110   |     |       |      |
| L71788-02DUP    | DUP  | 03/04/22 14:24 |            |     | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**OURAYSM**

ACZ Project ID: **L71784**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG538287</b> |      |               |            |        |        |       |       |      |        |       |     |       |      |
| WG538287ICV     | ICV  | 03/16/22 1:38 | II220311-1 | 2      |        | 1.968 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG538287ICB     | ICB  | 03/16/22 1:44 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG538146LRB     | LRB  | 03/16/22 1:59 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG538146LFB     | LFB  | 03/16/22 2:03 | II220215-2 | 1.0001 |        | 1.054 | mg/L  | 105  | 85     | 115   |     |       |      |
| L71873-04LFM    | LFM  | 03/16/22 3:26 | II220215-2 | 1.0001 | U      | 1.024 | mg/L  | 102  | 70     | 130   |     |       |      |
| L71873-04LFMD   | LFMD | 03/16/22 3:29 | II220215-2 | 1.0001 | U      | 1.017 | mg/L  | 102  | 70     | 130   | 1   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538542</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538542ICV     | ICV  | 03/18/22 21:49 | MS220125-1 | .05   |        | .05117 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG538542ICB     | ICB  | 03/18/22 21:51 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538542LFB     | LFB  | 03/18/22 21:53 | MS220228-9 | .0501 |        | .04915 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG537824PBW     | PBW  | 03/18/22 21:55 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG537970PBW     | PBW  | 03/18/22 21:58 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG538209PBW     | PBW  | 03/18/22 22:04 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71949-01AS     | AS   | 03/18/22 22:11 | MS220228-9 | .0501 | .00012 | .0481  | mg/L  | 96   | 70       | 130     |     |       |      |
| L71949-01ASD    | ASD  | 03/18/22 22:13 | MS220228-9 | .0501 | .00012 | .05076 | mg/L  | 101  | 70       | 130     | 5   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538075</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538075ICV     | ICV  | 03/10/22 18:05 | MS220125-1 | .05   |        | .05138 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG538075ICB     | ICB  | 03/10/22 18:07 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG537952LRB     | LRB  | 03/10/22 18:09 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG537952LFB     | LFB  | 03/10/22 18:10 | MS220228-9 | .0501 |        | .04829 | mg/L  | 96   | 85       | 115     |     |       |      |
| L71773-05LFM    | LFM  | 03/10/22 18:27 | MS220228-9 | .0501 | .00616 | .05563 | mg/L  | 99   | 70       | 130     |     |       |      |
| L71773-05LFMD   | LFMD | 03/10/22 18:29 | MS220228-9 | .0501 | .00616 | .05511 | mg/L  | 98   | 70       | 130     | 1   | 20    |      |
| L71806-01LFM    | LFM  | 03/10/22 18:54 | MS220228-9 | .0501 | .00146 | .05076 | mg/L  | 98   | 70       | 130     |     |       |      |
| L71806-01LFMD   | LFMD | 03/10/22 18:56 | MS220228-9 | .0501 | .00146 | .05086 | mg/L  | 99   | 70       | 130     | 0   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538542</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538542ICV     | ICV  | 03/18/22 21:49 | MS220125-1 | .05   |        | .05164 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG538542ICB     | ICB  | 03/18/22 21:51 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG538542LFB     | LFB  | 03/18/22 21:53 | MS220228-9 | .0498 |        | .04918 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG537824PBW     | PBW  | 03/18/22 21:55 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG537970PBW     | PBW  | 03/18/22 21:58 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG538209PBW     | PBW  | 03/18/22 22:04 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L71949-01AS     | AS   | 03/18/22 22:11 | MS220228-9 | .0498 | .00497 | .05229 | mg/L  | 95   | 70       | 130     |     |       |      |
| L71949-01ASD    | ASD  | 03/18/22 22:13 | MS220228-9 | .0498 | .00497 | .05417 | mg/L  | 99   | 70       | 130     | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71784**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG535257</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG535257ICV     | ICV  | 01/20/22 12:25 | HG220111-4 | 10 |        | 10.4  | ng/L  | 104  | 79     | 121   |     |       |      |
| WG535257ICB     | ICB  | 01/20/22 12:29 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG538234</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG538234CCV1    | CCV  | 03/14/22 13:55 | HG220111-4 | 10 |        | 10.6  | ng/L  | 106  | 76.5   | 123.4 |     |       |      |
| WG538234CCB1    | CCB  | 03/14/22 14:00 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG538234PQV     | PQV  | 03/14/22 14:40 | HG220111-6 | 1  |        | 1.16  | ng/L  | 116  | 70     | 130   |     |       |      |
| WG538234LFB     | LFB  | 03/14/22 14:45 | HG220111-5 | 2  |        | 2.26  | ng/L  | 113  | 71     | 125   |     |       |      |
| L71784-02MS     | MS   | 03/14/22 15:06 | HG220111-5 | 2  | .57    | 2.47  | ng/L  | 95   | 71     | 125   |     |       |      |
| L71784-02MSD    | MSD  | 03/14/22 15:11 | HG220111-5 | 2  | .57    | 2.85  | ng/L  | 114  | 71     | 125   | 14  | 24    |      |
| WG538234CCV2    | CCV  | 03/14/22 15:25 | HG220111-4 | 10 |        | 9.76  | ng/L  | 98   | 76.5   | 123.4 |     |       |      |
| WG538234CCB2    | CCB  | 03/14/22 15:30 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG538234CCV3    | CCV  | 03/14/22 16:18 | HG220111-4 | 10 |        | 9.09  | ng/L  | 91   | 76.5   | 123.4 |     |       |      |
| WG538234CCB3    | CCB  | 03/14/22 16:22 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG538234CCV4    | CCV  | 03/14/22 17:05 | HG220111-4 | 10 |        | 9.17  | ng/L  | 92   | 76.5   | 123.4 |     |       |      |
| WG538234CCB4    | CCB  | 03/14/22 17:10 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG537796</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG537796ICV     | ICV  | 03/08/22 10:41 | HG220301-3 | .00501  |        | .00475 | mg/L  | 95   | 95       | 105     |     |       |      |
| WG537796ICB     | ICB  | 03/08/22 10:42 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG537826</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG537826LRB     | LRB  | 03/08/22 12:11 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG537826LFB     | LFB  | 03/08/22 12:12 | HG220301-6 | .002002 |        | .0018  | mg/L  | 90   | 85       | 115     |     |       |      |
| L71790-01LFM    | LFM  | 03/08/22 12:34 | HG220301-6 | .002002 | U      | .00178 | mg/L  | 89   | 85       | 115     |     |       |      |
| L71790-01LFMD   | LFMD | 03/08/22 12:35 | HG220301-6 | .002002 | U      | .00179 | mg/L  | 89   | 85       | 115     | 1   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537908</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG537908LCSW1   | LCSW | 03/08/22 20:10 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537908LCSW4   | LCSW | 03/08/22 22:35 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L71797-02DUP    | DUP  | 03/09/22 1:54  |          |    | 8.5    | 8.5   | units |      |       |       | 0   | 20    |      |
| WG537908LCSW7   | LCSW | 03/09/22 1:59  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537908LCSW10  | LCSW | 03/09/22 5:42  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537908LCSW13  | LCSW | 03/09/22 9:12  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537748</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG537748PBW     | PBW  | 03/04/22 15:15 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG537748LCSW    | LCSW | 03/04/22 15:17 | PCN64711 | 1000 |        | 994   | mg/L  | 99   | 80    | 120   |     |       |      |
| L71784-02DUP    | DUP  | 03/04/22 16:15 |          |      | 280    | 282   | mg/L  |      |       |       | 1   | 10    |      |

**OURAYSM**

ACZ Project ID: **L71784**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537803</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG537803PBW     | PBW  | 03/07/22 13:22 |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG537803LCSW    | LCSW | 03/07/22 13:24 | PCN64711 | 100 |        | 96    | mg/L  | 96   | 80    | 120   |     |       |      |
| L71814-03DUP    | DUP  | 03/07/22 14:22 |          |     | 55     | 61    | mg/L  |      |       |       | 10  | 10    |      |

**Silver, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538542</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538542ICV     | ICV  | 03/18/22 21:49 | MS220125-1 | .02 |        | .02043 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG538542ICB     | ICB  | 03/18/22 21:51 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538542LFB     | LFB  | 03/18/22 21:53 | MS220228-9 | .01 |        | .0102  | mg/L  | 102  | 85       | 115     |     |       |      |
| WG537824PBW     | PBW  | 03/18/22 21:55 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG537970PBW     | PBW  | 03/18/22 21:58 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG538209PBW     | PBW  | 03/18/22 22:04 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71949-01AS     | AS   | 03/18/22 22:11 | MS220228-9 | .01 | U      | .0099  | mg/L  | 99   | 70       | 130     |     |       |      |
| L71949-01ASD    | ASD  | 03/18/22 22:13 | MS220228-9 | .01 | U      | .01035 | mg/L  | 104  | 70       | 130     | 4   | 20    |      |

**Zinc, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG538542</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG538542ICV     | ICV  | 03/18/22 21:49 | MS220125-1 | .05     |        | .0489 | mg/L  | 98   | 90      | 110    |     |       |      |
| WG538542ICB     | ICB  | 03/18/22 21:51 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG538542LFB     | LFB  | 03/18/22 21:53 | MS220228-9 | .050075 |        | .0505 | mg/L  | 101  | 85      | 115    |     |       |      |
| WG537824PBW     | PBW  | 03/18/22 21:55 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG537970PBW     | PBW  | 03/18/22 21:58 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG538209PBW     | PBW  | 03/18/22 22:04 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L71949-01AS     | AS   | 03/18/22 22:11 | MS220228-9 | .050075 | .0444  | .0927 | mg/L  | 96   | 70      | 130    |     |       |      |
| L71949-01ASD    | ASD  | 03/18/22 22:13 | MS220228-9 | .050075 | .0444  | .0937 | mg/L  | 98   | 70      | 130    | 1   | 20    |      |

**Zinc, total M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG538075</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG538075ICV     | ICV  | 03/10/22 18:05 | MS220125-1 | .05     |        | .0494 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG538075ICB     | ICB  | 03/10/22 18:07 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG537952LRB     | LRB  | 03/10/22 18:09 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG537952LFB     | LFB  | 03/10/22 18:10 | MS220228-9 | .050075 |        | .0502 | mg/L  | 100  | 85      | 115    |     |       |      |
| L71773-05LFM    | LFM  | 03/10/22 18:27 | MS220228-9 | .050075 | .0626  | .1128 | mg/L  | 100  | 70      | 130    |     |       |      |
| L71773-05LFMD   | LFMD | 03/10/22 18:29 | MS220228-9 | .050075 | .0626  | .1122 | mg/L  | 99   | 70      | 130    | 1   | 20    |      |
| L71806-01LFM    | LFM  | 03/10/22 18:54 | MS220228-9 | .050075 | .419   | .4964 | mg/L  | 155  | 70      | 130    |     |       | M3   |
| L71806-01LFMD   | LFMD | 03/10/22 18:56 | MS220228-9 | .050075 | .419   | .4997 | mg/L  | 161  | 70      | 130    | 1   | 20    | M3   |

**Ouray Silver Mines**

ACZ Project ID: **L71784**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|-----------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L71784-01</b> | WG538049 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG537803 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
| <b>L71784-02</b> | WG538075 | Copper, total                       | M200.8 ICP-MS                                 | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG537739 | Dissolved Chromium, Hexavalent      | SM3500Cr-B                                    | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  |          |                                     | SM3500Cr-B                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG538075 | Zinc, total                         | M200.8 ICP-MS                                 | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |

**Ouray Silver Mines**

ACZ Project ID: **L71784**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L71784

Date Received: 03/04/2022 10:51

Received By:

Date Printed: 3/7/2022

**Receipt Verification**

|                                                                                                                                     | YES | NO | NA |
|-------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|
| 1) Is a foreign soil permit included for applicable samples?                                                                        |     |    | X  |
| 2) Is the Chain of Custody form or other directive shipping papers present?                                                         | X   |    |    |
| 3) Does this project require special handling procedures such as CLP protocol?                                                      |     | X  |    |
| 4) Are any samples NRC licensable material?                                                                                         |     |    | X  |
| 5) If samples are received past hold time, proceed with requested short hold time analyses?                                         | X   |    |    |
| 6) Is the Chain of Custody form complete and accurate?                                                                              |     | X  |    |
| The date/time was entered on the COC per the information present on the sample containers for sample(s) Sample one, two and three.. |     |    |    |
| The date/time was entered on the COC per the information present on the sample containers for sample(s) Sample one, two and three.. |     |    |    |
| The date/time was entered on the COC per the information present on the sample containers for sample(s) Sample one, two and three.. |     |    |    |
| The date/time was entered on the COC per the information present on the sample containers for sample(s) Sample one, two and three.. |     |    |    |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?                                           |     | X  |    |

**Samples/Containers**

|                                                                                         | YES | NO | NA |
|-----------------------------------------------------------------------------------------|-----|----|----|
| 8) Are all containers intact and with no leaks?                                         | X   |    |    |
| 9) Are all labels on containers and are they intact and legible?                        | X   |    |    |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | X   |    |    |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | X   |    |    |
| 12) Is there sufficient sample volume to perform all requested work?                    | X   |    |    |
| 13) Is the custody seal intact on all containers?                                       |     |    | X  |
| 14) Are samples that require zero headspace acceptable?                                 |     |    | X  |
| 15) Are all sample containers appropriate for analytical requirements?                  | X   |    |    |
| 16) Is there an Hg-1631 trip blank present?                                             | X   |    |    |
| 17) Is there a VOA trip blank present?                                                  |     |    | X  |
| 18) Were all samples received within hold time?                                         | X   |    |    |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

The 'Relinquished By' field on the COC was not completed. The project manager is contacting the client.

Ouray Silver Mines

ACZ Project ID: L71784

Date Received: 03/04/2022 10:51

Received By:

Date Printed: 3/7/2022

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 6949      | 2.1       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).





**Laboratories, Inc.** L71784

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

## CHAIN of CUSTODY

### Report to:

Name: **Todd Jesse**  
Company: **Ouray Silver Mines Inc**  
E-mail: **environmental@ouraysilvermines.com**

Address: **1900 Main St Unit 1**  
**Ouray, CO 81427**  
Telephone: **970-325-9830 Ext 1106**

### Copy of Report to:

Name: **Poppy Staub**  
Company: **Ouray Silver Mines Inc**

E-mail: **environmental@ouraysilvermines.com**  
Telephone: **970-325-9830**

### Invoice to:

Name: **Jen Smith**  
Company: **Ouray Silver Mines**  
E-mail: **payable@ouraysilvermines.com**

Address: **PO Box 564**  
**Ouray, CO 81427**  
Telephone: **970-325-9830**

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: **Todd Jesse** Sampler's Site Information State **CO** Zip code **81427** Time Zone **Mtn**

\*Sampler's Signature: *[Signature]*

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

### PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: **CDPS-BIMONTH-WW & CDPS-QUART-WW**

PO#:

Reporting state for compliance testing: **CO**

Check box if samples include NRC licensed material? ☐

| SAMPLE IDENTIFICATION | DATE:TIME             | Matrix | # of Containers | CDPS-BIMONTH-WW                     | CDPS-QUART-WW                       |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|-----------------------|--------|-----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| OF002A                | 3/2/22                | WW     | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| OF002A                | 3/2/22                | WW     | 4               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| HG Trip Blank         | 3/2/22                |        | 1               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       | Entered per container |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       | and 3/2/22            |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                       |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                       |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                       |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                       |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

### REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

|  |  |            |        |
|--|--|------------|--------|
|  |  | <i>Chp</i> | 3/4/22 |
|  |  |            | 11:49  |
|  |  |            |        |

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.



March 30, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L72022

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 17, 2022. This project has been assigned to ACZ's project number, L72022. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L72022. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 29, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

*S. Habermehl*

Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L72022-01**

Date Sampled: 03/16/22 09:20

Date Received: 03/17/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 03/19/22 9:36  | mfm     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 03/21/22 11:43 | bls     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 03/23/22 15:43 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 03/24/22 23:00 | wtc     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000062 | B    |    | mg/L  | 0.00005 | 0.00025 | 03/22/22 12:07 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 03/22/22 12:07 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 03/29/22 12:22 | aeH     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00056  |      |    | mg/L  | 0.0001  | 0.0005  | 03/22/22 12:07 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00054  |      |    | mg/L  | 0.0001  | 0.0005  | 03/24/22 16:28 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.144    |      |    | mg/L  | 0.0004  | 0.002   | 03/22/22 12:07 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/21/22 15:05 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/22/22 12:07 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0487   |      |    | mg/L  | 0.006   | 0.015   | 03/22/22 12:07 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 03/22/22 13:47 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.2    | H    |    | units | 0.1   | 0.1  | 03/20/22 0:00  | eep     |
| pH measured at                             |                                                | 1        | 21.8   |      |    | C     | 0.1   | 0.1  | 03/20/22 0:00  | eep     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 03/18/22 14:53 | jck     |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L72022**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG538694</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG538694ICV     | ICV  | 03/22/22 11:34 | MS220125-1 | .05    |         | .050923 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG538694ICB     | ICB  | 03/22/22 11:36 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG538694LFB     | LFB  | 03/22/22 11:38 | MS220228-9 | .05005 |         | .050503 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG538209PBW     | PBW  | 03/22/22 11:40 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG538554PBW     | PBW  | 03/22/22 11:43 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L71992-04AS     | AS   | 03/22/22 11:56 | MS220228-9 | .05005 | .000185 | .051446 | mg/L  | 102  | 70       | 130     |     |       |      |
| L71992-04ASD    | ASD  | 03/22/22 11:58 | MS220228-9 | .05005 | .000185 | .051287 | mg/L  | 102  | 70       | 130     | 0   | 20    |      |
| WG538573PBW     | PBW  | 03/22/22 12:03 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538694</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538694ICV     | ICV  | 03/22/22 11:34 | MS220125-1 | .05 |        | .0534  | mg/L  | 107  | 90       | 110     |     |       |      |
| WG538694ICB     | ICB  | 03/22/22 11:36 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG538694LFB     | LFB  | 03/22/22 11:38 | MS220228-9 | .05 |        | .05261 | mg/L  | 105  | 85       | 115     |     |       |      |
| WG538209PBW     | PBW  | 03/22/22 11:40 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG538554PBW     | PBW  | 03/22/22 11:43 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L71992-04AS     | AS   | 03/22/22 11:56 | MS220228-9 | .05 | U      | .05137 | mg/L  | 103  | 70       | 130     |     |       |      |
| L71992-04ASD    | ASD  | 03/22/22 11:58 | MS220228-9 | .05 | U      | .05199 | mg/L  | 104  | 70       | 130     | 1   | 20    |      |
| WG538573PBW     | PBW  | 03/22/22 12:03 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG538719</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG538719ICV     | ICV  | 03/22/22 13:38 | WI220316-10 | .3003 |        | .3239 | mg/L  | 108  | 90     | 110   |     |       |      |
| WG538719ICB     | ICB  | 03/22/22 13:39 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG538581LRB     | LRB  | 03/22/22 13:40 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG538581LFB     | LFB  | 03/22/22 13:40 | WI220316-4  | .2002 |        | .2179 | mg/L  | 109  | 90     | 110   |     |       |      |
| L72031-01DUP    | DUP  | 03/22/22 13:52 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L72031-02LFM    | LFM  | 03/22/22 13:54 | WI220316-4  | .2002 | U      | .1951 | mg/L  | 97   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG539125</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG539125ICV     | ICV  | 03/29/22 11:24 | II220311-1 | 2      |        | 1.905 | mg/L  | 95   | 95     | 105   |     |       |      |
| WG539125ICB     | ICB  | 03/29/22 11:30 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG538909LRB     | LRB  | 03/29/22 11:43 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG538909LFB     | LFB  | 03/29/22 11:47 | II220314-2 | 1.0001 |        | .978  | mg/L  | 98   | 85     | 115   |     |       |      |
| L72022-01LFM    | LFM  | 03/29/22 12:25 | II220314-2 | 1.0001 | U      | .965  | mg/L  | 96   | 70     | 130   |     |       |      |
| L72022-01LFMD   | LFMD | 03/29/22 12:28 | II220314-2 | 1.0001 | U      | 1.004 | mg/L  | 100  | 70     | 130   | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72022**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538694</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538694ICV     | ICV  | 03/22/22 11:34 | MS220125-1 | .05   |        | .05054 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG538694ICB     | ICB  | 03/22/22 11:36 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538694LFB     | LFB  | 03/22/22 11:38 | MS220228-9 | .0501 |        | .05058 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG538209PBW     | PBW  | 03/22/22 11:40 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG538554PBW     | PBW  | 03/22/22 11:43 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71992-04AS     | AS   | 03/22/22 11:56 | MS220228-9 | .0501 | .00033 | .0515  | mg/L  | 102  | 70       | 130     |     |       |      |
| L71992-04ASD    | ASD  | 03/22/22 11:58 | MS220228-9 | .0501 | .00033 | .05159 | mg/L  | 102  | 70       | 130     | 0   | 20    |      |
| WG538573PBW     | PBW  | 03/22/22 12:03 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538935</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538935ICV     | ICV  | 03/24/22 15:53 | MS220125-1 | .05   |        | .05244 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG538935ICB     | ICB  | 03/24/22 15:55 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG538774LRB     | LRB  | 03/24/22 15:57 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538774LFB     | LFB  | 03/24/22 15:58 | MS220228-9 | .0501 |        | .04761 | mg/L  | 95   | 85       | 115     |     |       |      |
| L72006-01LFM    | LFM  | 03/24/22 16:15 | MS220228-9 | .0501 | .00178 | .05161 | mg/L  | 99   | 70       | 130     |     |       |      |
| L72006-01LFMD   | LFMD | 03/24/22 16:17 | MS220228-9 | .0501 | .00178 | .05202 | mg/L  | 100  | 70       | 130     | 1   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538694</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538694ICV     | ICV  | 03/22/22 11:34 | MS220125-1 | .05   |        | .05156 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG538694ICB     | ICB  | 03/22/22 11:36 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG538694LFB     | LFB  | 03/22/22 11:38 | MS220228-9 | .0498 |        | .05113 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG538209PBW     | PBW  | 03/22/22 11:40 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG538554PBW     | PBW  | 03/22/22 11:43 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L71992-04AS     | AS   | 03/22/22 11:56 | MS220228-9 | .0498 | .0396  | .08961 | mg/L  | 100  | 70       | 130     |     |       |      |
| L71992-04ASD    | ASD  | 03/22/22 11:58 | MS220228-9 | .0498 | .0396  | .091   | mg/L  | 103  | 70       | 130     | 2   | 20    |      |
| WG538573PBW     | PBW  | 03/22/22 12:03 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538402</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG538402ICV1    | ICV  | 03/21/22 12:04 | HG220314-3 | .00501  |        | .00508 | mg/L  | 101  | 95       | 105     |     |       |      |
| <b>WG538593</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG538593LRB     | LRB  | 03/21/22 14:41 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG538593LFB     | LFB  | 03/21/22 14:42 | HG220314-6 | .002002 |        | .00193 | mg/L  | 96   | 85       | 115     |     |       |      |
| L72031-01LFM    | LFM  | 03/21/22 15:07 | HG220314-6 | .002002 | U      | .00184 | mg/L  | 92   | 85       | 115     |     |       |      |
| L72031-01LFMD   | LFMD | 03/21/22 15:08 | HG220314-6 | .002002 | U      | .00192 | mg/L  | 96   | 85       | 115     | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72022**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538574</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG538574LCSW1   | LCSW | 03/19/22 13:20 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG538574LCSW4   | LCSW | 03/19/22 15:46 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG538574LCSW7   | LCSW | 03/19/22 18:13 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG538574LCSW10  | LCSW | 03/19/22 21:52 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L72059-01DUP    | DUP  | 03/20/22 0:48  |          |    | 8.2    | 8.1   | units |      |       |       | 1   | 20    |      |
| WG538574LCSW13  | LCSW | 03/20/22 0:53  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538538</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG538538PBW     | PBW  | 03/18/22 14:45 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG538538LCSW    | LCSW | 03/18/22 14:47 | PCN65062 | 100 |        | 104   | mg/L  | 104  | 80    | 120   |     |       |      |
| L72031-04DUP    | DUP  | 03/18/22 15:11 |          |     | 7      | 6     | mg/L  |      |       |       | 15  | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538694</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538694ICV     | ICV  | 03/22/22 11:34 | MS220125-1 | .02 |        | .02045 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG538694ICB     | ICB  | 03/22/22 11:36 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538694LFB     | LFB  | 03/22/22 11:38 | MS220228-9 | .01 |        | .01047 | mg/L  | 105  | 85       | 115     |     |       |      |
| WG538209PBW     | PBW  | 03/22/22 11:40 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG538554PBW     | PBW  | 03/22/22 11:43 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L71992-04AS     | AS   | 03/22/22 11:56 | MS220228-9 | .01 | U      | .01017 | mg/L  | 102  | 70       | 130     |     |       |      |
| L71992-04ASD    | ASD  | 03/22/22 11:58 | MS220228-9 | .01 | U      | .01033 | mg/L  | 103  | 70       | 130     | 2   | 20    |      |
| WG538573PBW     | PBW  | 03/22/22 12:03 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG538694</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG538694ICV     | ICV  | 03/22/22 11:34 | MS220125-1 | .05     |        | .0501 | mg/L  | 100  | 90      | 110    |     |       |      |
| WG538694ICB     | ICB  | 03/22/22 11:36 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG538694LFB     | LFB  | 03/22/22 11:38 | MS220228-9 | .050075 |        | .053  | mg/L  | 106  | 85      | 115    |     |       |      |
| WG538209PBW     | PBW  | 03/22/22 11:40 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG538554PBW     | PBW  | 03/22/22 11:43 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L71992-04AS     | AS   | 03/22/22 11:56 | MS220228-9 | .050075 | .0432  | .0953 | mg/L  | 104  | 70      | 130    |     |       |      |
| L71992-04ASD    | ASD  | 03/22/22 11:58 | MS220228-9 | .050075 | .0432  | .0957 | mg/L  | 105  | 70      | 130    | 0   | 20    |      |
| WG538573PBW     | PBW  | 03/22/22 12:03 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |

**Ouray Silver Mines**

ACZ Project ID: **L72022**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L72022-01 | WG538719 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG538538 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |



**Ouray Silver Mines**

ACZ Project ID: **L72022**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L72022

Date Received: 03/17/2022 10:57

Received By:

Date Printed: 3/18/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 6809      | 4.6       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L72022

Date Received: 03/17/2022 10:57

Received By:

Date Printed: 3/18/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



April 19, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L72405

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 07, 2022. This project has been assigned to ACZ's project number, L72405. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L72405. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after May 19, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L72405-01**

Date Sampled: 04/06/22 08:57

Date Received: 04/07/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 04/09/22 11:35 | ssr         |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 04/11/22 11:40 | mjj1        |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 04/13/22 16:15 | kja         |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 04/12/22 18:43 | aeh/ke<br>h |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000058 | B    |    | mg/L  | 0.00005 | 0.00025 | 04/13/22 11:06 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 04/13/22 11:06 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 04/13/22 14:59 | jlw     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00050  |      |    | mg/L  | 0.0001  | 0.0005  | 04/13/22 11:06 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00050  |      |    | mg/L  | 0.0001  | 0.0005  | 04/15/22 9:36  | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.136    |      |    | mg/L  | 0.0004  | 0.002   | 04/13/22 11:06 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 04/13/22 13:02 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 04/13/22 11:06 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0481   |      |    | mg/L  | 0.006   | 0.015   | 04/13/22 11:06 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 04/12/22 9:08  | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.1    | H    |    | units | 0.1   | 0.1  | 04/16/22 0:00  | eep     |
| pH measured at                             |                                                | 1        | 22.1   |      |    | C     | 0.1   | 0.1  | 04/16/22 0:00  | eep     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 04/12/22 16:27 | scd     |



## Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

## QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

## QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

## ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

## Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (4) EPA SW-846. Test Methods for Evaluating Solid Waste.
- (5) Standard Methods for the Examination of Water and Wastewater.

## Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
- (5) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L72405**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG540164</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG540164ICV     | ICV  | 04/13/22 10:28 | MS220401-7 | .05    |        | .051715 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG540164ICB     | ICB  | 04/13/22 10:30 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG540164LFB     | LFB  | 04/13/22 10:31 | MS220401-2 | .05005 |        | .047394 | mg/L  | 95   | 85       | 115     |     |       |      |
| WG539935PBW     | PBW  | 04/13/22 10:33 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L72328-03AS     | AS   | 04/13/22 10:40 | MS220401-2 | .05005 | U      | .049192 | mg/L  | 98   | 70       | 130     |     |       |      |
| L72328-03ASD    | ASD  | 04/13/22 10:42 | MS220401-2 | .05005 | U      | .051154 | mg/L  | 102  | 70       | 130     | 4   | 20    |      |
| WG539999PBW     | PBW  | 04/13/22 10:53 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG540003PBW     | PBW  | 04/13/22 11:11 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540164</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG540164ICV     | ICV  | 04/13/22 10:28 | MS220401-7 | .05 |        | .05289 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG540164ICB     | ICB  | 04/13/22 10:30 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG540164LFB     | LFB  | 04/13/22 10:31 | MS220401-2 | .05 |        | .0474  | mg/L  | 95   | 85       | 115     |     |       |      |
| WG539935PBW     | PBW  | 04/13/22 10:33 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L72328-03AS     | AS   | 04/13/22 10:40 | MS220401-2 | .05 | U      | .04794 | mg/L  | 96   | 70       | 130     |     |       |      |
| L72328-03ASD    | ASD  | 04/13/22 10:42 | MS220401-2 | .05 | U      | .04936 | mg/L  | 99   | 70       | 130     | 3   | 20    |      |
| WG539999PBW     | PBW  | 04/13/22 10:53 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG540003PBW     | PBW  | 04/13/22 11:11 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG540099</b> |      |               |            |       |        |       |       |      |        |       |     |       |      |
| WG540099ICV     | ICV  | 04/12/22 8:59 | WI220401-3 | .3003 |        | .3005 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG540099ICB     | ICB  | 04/12/22 9:00 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG540010LRB     | LRB  | 04/12/22 9:01 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG540010LFB     | LFB  | 04/12/22 9:02 | WI220331-4 | .2002 |        | .196  | mg/L  | 98   | 90     | 110   |     |       |      |
| L72409-03DUP    | DUP  | 04/12/22 9:12 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L72409-05LFM    | LFM  | 04/12/22 9:13 | WI220331-4 | .2002 | U      | .1904 | mg/L  | 95   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG540238</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG540238ICV     | ICV  | 04/13/22 13:38 | II220401-2 | 2      |        | 1.927 | mg/L  | 96   | 95     | 105   |     |       |      |
| WG540238ICB     | ICB  | 04/13/22 13:44 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG540156LRB     | LRB  | 04/13/22 13:57 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG540156LFB     | LFB  | 04/13/22 14:01 | II220412-2 | 1.0013 |        | .954  | mg/L  | 95   | 85     | 115   |     |       |      |
| L72405-01LFM    | LFM  | 04/13/22 15:02 | II220412-2 | 1.0013 | U      | .929  | mg/L  | 93   | 70     | 130   |     |       |      |
| L72405-01LFMD   | LFMD | 04/13/22 15:05 | II220412-2 | 1.0013 | U      | .929  | mg/L  | 93   | 70     | 130   | 0   | 20    |      |



**OURAYSM**

ACZ Project ID: **L72405**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540164</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG540164ICV     | ICV  | 04/13/22 10:28 | MS220401-7 | .05   |        | .05078 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG540164ICB     | ICB  | 04/13/22 10:30 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG540164LFB     | LFB  | 04/13/22 10:31 | MS220401-2 | .0501 |        | .04738 | mg/L  | 95   | 85       | 115     |     |       |      |
| WG539935PBW     | PBW  | 04/13/22 10:33 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L72328-03AS     | AS   | 04/13/22 10:40 | MS220401-2 | .0501 | U      | .05124 | mg/L  | 102  | 70       | 130     |     |       |      |
| L72328-03ASD    | ASD  | 04/13/22 10:42 | MS220401-2 | .0501 | U      | .05326 | mg/L  | 106  | 70       | 130     | 4   | 20    |      |
| WG539999PBW     | PBW  | 04/13/22 10:53 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG540003PBW     | PBW  | 04/13/22 11:11 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540391</b> |      |               |            |       |        |        |       |      |          |         |     |       |      |
| WG540391ICV     | ICV  | 04/15/22 8:40 | MS220401-7 | .05   |        | .05119 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG540391ICB     | ICB  | 04/15/22 8:41 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG540210LRB     | LRB  | 04/15/22 8:43 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG540210LFB     | LFB  | 04/15/22 8:45 | MS220401-2 | .0501 |        | .04711 | mg/L  | 94   | 85       | 115     |     |       |      |
| L72375-05LFM    | LFM  | 04/15/22 9:30 | MS220401-2 | .0501 | .00181 | .04804 | mg/L  | 92   | 70       | 130     |     |       |      |
| L72375-05LFMD   | LFMD | 04/15/22 9:32 | MS220401-2 | .0501 | .00181 | .0486  | mg/L  | 93   | 70       | 130     | 1   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540164</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG540164ICV     | ICV  | 04/13/22 10:28 | MS220401-7 | .05   |        | .05127 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG540164ICB     | ICB  | 04/13/22 10:30 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG540164LFB     | LFB  | 04/13/22 10:31 | MS220401-2 | .0498 |        | .04724 | mg/L  | 95   | 85       | 115     |     |       |      |
| WG539935PBW     | PBW  | 04/13/22 10:33 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L72328-03AS     | AS   | 04/13/22 10:40 | MS220401-2 | .0498 | .166   | .21399 | mg/L  | 96   | 70       | 130     |     |       |      |
| L72328-03ASD    | ASD  | 04/13/22 10:42 | MS220401-2 | .0498 | .166   | .21671 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |
| WG539999PBW     | PBW  | 04/13/22 10:53 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG540003PBW     | PBW  | 04/13/22 11:11 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540007</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG540007ICV     | ICV  | 04/13/22 11:38 | HG220411-3 | .005005 |        | .0051  | mg/L  | 102  | 90       | 110     |     |       |      |
| WG540007ICB     | ICB  | 04/13/22 11:39 |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG540140</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG540140LRB     | LRB  | 04/13/22 12:49 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG540140LFB     | LFB  | 04/13/22 12:50 | HG220411-6 | .002002 |        | .00216 | mg/L  | 108  | 85       | 115     |     |       |      |
| L72311-01LFM    | LFM  | 04/13/22 12:52 | HG220411-6 | .002002 | U      | .00203 | mg/L  | 101  | 85       | 115     |     |       |      |
| L72311-01LFMD   | LFMD | 04/13/22 12:53 | HG220411-6 | .002002 | U      | .00202 | mg/L  | 101  | 85       | 115     | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72405**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG540452</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG540452LCSW1   | LCSW | 04/15/22 19:15 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG540452LCSW4   | LCSW | 04/15/22 23:05 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG540452LCSW7   | LCSW | 04/16/22 2:37  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L72409-02DUP    | DUP  | 04/16/22 4:51  |          |    | 8.2    | 8.2   | units |      |       |       | 0   | 20    |      |
| WG540452LCSW10  | LCSW | 04/16/22 6:19  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG540452LCSW13  | LCSW | 04/16/22 10:05 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG540179</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG540179PBW     | PBW  | 04/12/22 16:00 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG540179LCSW    | LCSW | 04/12/22 16:01 | PCN65065 | 100 |        | 101   | mg/L  | 101  | 80    | 120   |     |       |      |
| L72434-04DUP    | DUP  | 04/12/22 16:44 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540164</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG540164ICV     | ICV  | 04/13/22 10:28 | MS220401-7 | .02 |        | .02086 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG540164ICB     | ICB  | 04/13/22 10:30 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG540164LFB     | LFB  | 04/13/22 10:31 | MS220401-2 | .01 |        | .00885 | mg/L  | 89   | 85       | 115     |     |       |      |
| WG539935PBW     | PBW  | 04/13/22 10:33 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L72328-03AS     | AS   | 04/13/22 10:40 | MS220401-2 | .01 | U      | .00965 | mg/L  | 97   | 70       | 130     |     |       |      |
| L72328-03ASD    | ASD  | 04/13/22 10:42 | MS220401-2 | .01 | U      | .00993 | mg/L  | 99   | 70       | 130     | 3   | 20    |      |
| WG539999PBW     | PBW  | 04/13/22 10:53 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG540003PBW     | PBW  | 04/13/22 11:11 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG540164</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG540164ICV     | ICV  | 04/13/22 10:28 | MS220401-7 | .05     |        | .0496 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG540164ICB     | ICB  | 04/13/22 10:30 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG540164LFB     | LFB  | 04/13/22 10:31 | MS220401-2 | .050075 |        | .048  | mg/L  | 96   | 85      | 115    |     |       |      |
| WG539935PBW     | PBW  | 04/13/22 10:33 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L72328-03AS     | AS   | 04/13/22 10:40 | MS220401-2 | .050075 | U      | .0538 | mg/L  | 107  | 70      | 130    |     |       |      |
| L72328-03ASD    | ASD  | 04/13/22 10:42 | MS220401-2 | .050075 | U      | .0554 | mg/L  | 111  | 70      | 130    | 3   | 20    |      |
| WG539999PBW     | PBW  | 04/13/22 10:53 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG540003PBW     | PBW  | 04/13/22 11:11 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |

**Ouray Silver Mines**

ACZ Project ID: **L72405**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L72405-01 | WG540099 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG540179 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L72405**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L72405

Date Received: 04/07/2022 09:49

Received By:

Date Printed: 4/8/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA37302   | 3.7       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L72405

Date Received: 04/07/2022 09:49

Received By:

Date Printed: 4/8/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc. *L72405*

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

## CHAIN of CUSTODY

### Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 720-469-7557

### Copy of Report to:

Name: Poppy Staub  
Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com  
Telephone: 970-325-9830

### Invoice to:

Name: Jen Smith  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Ouray, CO 81427  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mnt

\*Sampler's Signature: *Todd Jesse*

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

### PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: CDPS-BIMONT-WW

PO#:

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

SAMPLE IDENTIFICATION DATE: TIME Matrix

| SAMPLE IDENTIFICATION | DATE: TIME     | Matrix | # of Containers | CDPS-BIMONT-WW                      |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|----------------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| OF002A                | 4/6/22 : 08:57 | WW     | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

### REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE: TIME

RECEIVED BY:

DATE: TIME

*Todd Jesse*

4/6/22 10:30

*[Signature]*

4/6/22 09:49

May 23, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Poppy Staub

Project ID:

ACZ Project ID: L72575

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 15, 2022. This project has been assigned to ACZ's project number, L72575. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L72575. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after June 22, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.





Ouray Silver Mines

May 23, 2022

Project ID:

ACZ Project ID: L72575

**Sample Receipt**

ACZ Laboratories, Inc. (ACZ) received 1 miscellaneous sample from Ouray Silver Mines on April 15, 2022. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L72575. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

**Holding Times**

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

**Sample Analysis**

This sample was analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures.

1. CN-WAD retested per client request.

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L72575-01**

Date Sampled: 04/14/22 10:45

Date Received: 04/15/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 04/17/22 11:27 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 05/16/22 15:43 | gkk/mjj |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 04/25/22 11:15 | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 04/21/22 16:43 | keh1/wt |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000073 | B    |    | mg/L  | 0.00005 | 0.00025 | 04/19/22 11:55 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 04/19/22 11:55 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 04/22/22 19:29 | wtc     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00062  |      |    | mg/L  | 0.0001  | 0.0005  | 04/19/22 11:55 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00066  |      |    | mg/L  | 0.0001  | 0.0005  | 04/27/22 16:18 | mfm     |
| Manganese, potentially<br>dissolved | M200.8 ICP-MS | 1        | 0.135    |      |    | mg/L  | 0.0004  | 0.002   | 04/19/22 11:55 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 04/20/22 13:00 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 04/21/22 15:30 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0493   |      |    | mg/L  | 0.006   | 0.015   | 04/19/22 11:55 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L  | 0.003 | 0.01 | 05/19/22 12:51 | gkk/bls |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.4    | H    |    | units | 0.1   | 0.1  | 04/20/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.8   |      |    | C     | 0.1   | 0.1  | 04/20/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 04/19/22 19:59 | jck     |


**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L72575**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG540565</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG540565ICV     | ICV  | 04/19/22 11:19 | MS220418-2 | .05    |        | .054595 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG540565ICB     | ICB  | 04/19/22 11:21 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG540565LFB     | LFB  | 04/19/22 11:23 | MS220401-2 | .05005 |        | .048023 | mg/L  | 96   | 85       | 115     |     |       |      |
| WG540393PBW     | PBW  | 04/19/22 11:24 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG540465PBW     | PBW  | 04/19/22 11:40 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L72578-01AS     | AS   | 04/19/22 11:58 | MS220401-2 | .05005 | U      | .04815  | mg/L  | 96   | 70       | 130     |     |       |      |
| L72578-01ASD    | ASD  | 04/19/22 12:00 | MS220401-2 | .05005 | U      | .04842  | mg/L  | 97   | 70       | 130     | 1   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540565</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG540565ICV     | ICV  | 04/19/22 11:19 | MS220418-2 | .05 |        | .05449 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG540565ICB     | ICB  | 04/19/22 11:21 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG540565LFB     | LFB  | 04/19/22 11:23 | MS220401-2 | .05 |        | .0475  | mg/L  | 95   | 85       | 115     |     |       |      |
| WG540393PBW     | PBW  | 04/19/22 11:24 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG540465PBW     | PBW  | 04/19/22 11:40 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L72578-01AS     | AS   | 04/19/22 11:58 | MS220401-2 | .05 | U      | .04002 | mg/L  | 80   | 70       | 130     |     |       |      |
| L72578-01ASD    | ASD  | 04/19/22 12:00 | MS220401-2 | .05 | U      | .04005 | mg/L  | 80   | 70       | 130     | 0   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG540679</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG540679ICV     | ICV  | 04/21/22 11:28 | WI220415-12 | .3003 |        | .2936 | mg/L  | 98   | 90     | 110   |     |       |      |
| WG540679ICB     | ICB  | 04/21/22 11:29 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG540533LRB     | LRB  | 04/21/22 11:30 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG540533LFB     | LFB  | 04/21/22 11:31 | WI220415-9  | .2002 |        | .2129 | mg/L  | 106  | 90     | 110   |     |       |      |
| L72515-02DUP    | DUP  | 04/21/22 11:33 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L72515-03LFM    | LFM  | 04/21/22 11:34 | WI220415-9  | .2002 | U      | .2146 | mg/L  | 107  | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG540851</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG540851ICV     | ICV  | 04/22/22 17:51 | II220401-2 | 2      |        | 1.91  | mg/L  | 96   | 95     | 105   |     |       |      |
| WG540851ICB     | ICB  | 04/22/22 17:57 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG540716LRB     | LRB  | 04/22/22 18:12 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG540716LFB     | LFB  | 04/22/22 18:15 | II220414-3 | 1.0013 |        | .955  | mg/L  | 95   | 85     | 115   |     |       |      |
| L72624-02LFM    | LFM  | 04/22/22 19:38 | II220414-3 | 1.0013 | 5.95   | 6.9   | mg/L  | 95   | 70     | 130   |     |       |      |
| L72624-02LFMD   | LFMD | 04/22/22 19:42 | II220414-3 | 1.0013 | 5.95   | 6.886 | mg/L  | 93   | 70     | 130   | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72575**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540565</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG540565ICV     | ICV  | 04/19/22 11:19 | MS220418-2 | .05   |        | .05433 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG540565ICB     | ICB  | 04/19/22 11:21 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG540565LFB     | LFB  | 04/19/22 11:23 | MS220401-2 | .0501 |        | .04794 | mg/L  | 96   | 85       | 115     |     |       |      |
| WG540393PBW     | PBW  | 04/19/22 11:24 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG540465PBW     | PBW  | 04/19/22 11:40 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L72578-01AS     | AS   | 04/19/22 11:58 | MS220401-2 | .0501 | .00014 | .04672 | mg/L  | 93   | 70       | 130     |     |       |      |
| L72578-01ASD    | ASD  | 04/19/22 12:00 | MS220401-2 | .0501 | .00014 | .04721 | mg/L  | 94   | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG541092</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG541092ICV     | ICV  | 04/27/22 15:51 | MS220418-2 | .05   |        | .05274 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG541092ICB     | ICB  | 04/27/22 15:52 |            |       |        | .00017 | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG540879LRB     | LRB  | 04/27/22 15:54 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG540879LFB     | LFB  | 04/27/22 15:56 | MS220401-2 | .0501 |        | .04804 | mg/L  | 96   | 85       | 115     |     |       |      |
| L72574-02LFM    | LFM  | 04/27/22 16:05 | MS220401-2 | .0501 | .00129 | .05464 | mg/L  | 106  | 70       | 130     |     |       |      |
| L72574-02LFMD   | LFMD | 04/27/22 16:07 | MS220401-2 | .0501 | .00129 | .053   | mg/L  | 103  | 70       | 130     | 3   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540565</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG540565ICV     | ICV  | 04/19/22 11:19 | MS220418-2 | .05   |        | .05355 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG540565ICB     | ICB  | 04/19/22 11:21 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG540565LFB     | LFB  | 04/19/22 11:23 | MS220401-2 | .0498 |        | .04745 | mg/L  | 95   | 85       | 115     |     |       |      |
| WG540393PBW     | PBW  | 04/19/22 11:24 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG540465PBW     | PBW  | 04/19/22 11:40 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L72578-01AS     | AS   | 04/19/22 11:58 | MS220401-2 | .0498 | .437   | .48076 | mg/L  | 88   | 70       | 130     |     |       |      |
| L72578-01ASD    | ASD  | 04/19/22 12:00 | MS220401-2 | .0498 | .437   | .47683 | mg/L  | 80   | 70       | 130     | 1   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540599</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG540599ICV     | ICV  | 04/20/22 12:34 | HG220411-3 | .005005 |        | .00522 | mg/L  | 104  | 95       | 105     |     |       |      |
| WG540599ICB     | ICB  | 04/20/22 12:35 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG540599LRB     | LRB  | 04/20/22 12:36 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG540599LFB     | LFB  | 04/20/22 12:37 | HG220411-6 | .002002 |        | .00203 | mg/L  | 101  | 85       | 115     |     |       |      |
| L72565-05LFM    | LFM  | 04/20/22 12:52 | HG220411-6 | .002002 | U      | .00184 | mg/L  | 92   | 85       | 115     |     |       |      |
| L72565-05LFMD   | LFMD | 04/20/22 12:52 | HG220411-6 | .002002 | U      | .00197 | mg/L  | 98   | 85       | 115     | 7   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG540613</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG540613LCSW1   | LCSW | 04/19/22 19:43 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG540613LCSW4   | LCSW | 04/19/22 22:11 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG540613LCSW7   | LCSW | 04/20/22 1:22  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L72594-03DUP    | DUP  | 04/20/22 3:14  |          |    | 7.7    | 7.7   | units |      |       |       | 0   | 20    |      |
| WG540613LCSW10  | LCSW | 04/20/22 5:01  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG540613LCSW13  | LCSW | 04/20/22 8:58  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**OURAYSM**

ACZ Project ID: **L72575**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG540615</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG540615PBW     | PBW  | 04/19/22 19:55 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG540615LCSW    | LCSW | 04/19/22 19:57 | PCN65064 | 100 |        | 111   | mg/L  | 111  | 80    | 120   |     |       |      |
| L72603-05DUP    | DUP  | 04/19/22 20:23 |          |     | 23     | 20    | mg/L  |      |       |       | 14  | 10    | RA   |

**Silver, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG540756</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG540756ICV     | ICV  | 04/21/22 15:15 | MS220418-2 | .02 |        | .0206  | mg/L  | 103  | 90       | 110     |     |       |      |
| WG540756ICB     | ICB  | 04/21/22 15:17 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG540756LFB     | LFB  | 04/21/22 15:19 | MS220401-2 | .01 |        | .01037 | mg/L  | 104  | 85       | 115     |     |       |      |
| WG540393PBW     | PBW  | 04/21/22 15:21 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG540465PBW     | PBW  | 04/21/22 15:24 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L72575-01AS     | AS   | 04/21/22 15:32 | MS220401-2 | .01 | U      | .0102  | mg/L  | 102  | 70       | 130     |     |       |      |
| L72575-01ASD    | ASD  | 04/21/22 15:37 | MS220401-2 | .01 | U      | .01028 | mg/L  | 103  | 70       | 130     | 1   | 20    |      |
| WG540693PBW     | PBW  | 04/21/22 15:41 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Zinc, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG540565</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG540565ICV     | ICV  | 04/19/22 11:19 | MS220418-2 | .05     |        | .0538 | mg/L  | 108  | 90      | 110    |     |       |      |
| WG540565ICB     | ICB  | 04/19/22 11:21 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG540565LFB     | LFB  | 04/19/22 11:23 | MS220401-2 | .050075 |        | .0509 | mg/L  | 102  | 85      | 115    |     |       |      |
| WG540393PBW     | PBW  | 04/19/22 11:24 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG540465PBW     | PBW  | 04/19/22 11:40 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L72578-01AS     | AS   | 04/19/22 11:58 | MS220401-2 | .050075 | .018   | .0617 | mg/L  | 87   | 70      | 130    |     |       |      |
| L72578-01ASD    | ASD  | 04/19/22 12:00 | MS220401-2 | .050075 | .018   | .0624 | mg/L  | 89   | 70      | 130    | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L72575**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L72575-01 | NG542594 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | C4   | Confirmatory analysis was past holding time.                                                                                                                          |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG540615 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L72575**

No certification qualifiers associated with this analysis



Ouray Silver Mines

ACZ Project ID: L72575

Date Received: 04/15/2022 11:50

Received By:

Date Printed: 4/18/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 3069      | 4.5       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L72575

Date Received: 04/15/2022 11:50

Received By:

Date Printed: 4/18/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc. **L72525**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

## CHAIN of CUSTODY

### Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: tjesse@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 7204697557

### Copy of Report to:

Name: Poppy Staub  
Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com  
Telephone: 9703259830

### Invoice to:

Name: Jen Smith  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Ouray, CO 81427  
Telephone: 9703259830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mnt

\*Sampler's Signature: [Signature]  
\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

### PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: CDPS-BIMONTH-WW

PO#:

Reporting state for compliance testing: CO

Check box if samples include NRC licensed material? ☐

| SAMPLE IDENTIFICATION |  | DATE:TIME     | Matrix | # of Containers | CDPS-BIMONTH-WW                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|--|---------------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| OF002A                |  | 4/14/22 10:45 | WW     | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

### REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

[Signature] 4/14/22 12:15 [Signature] 4/15/22 11:50

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.



L72575-2205231209

May 23, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Environmental, Poppy Staub

Project ID:

ACZ Project ID: L72987

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 05, 2022. This project has been assigned to ACZ's project number, L72987. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L72987. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after June 22, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L72987-01**

Date Sampled: 03/04/22 09:09

Date Received: 05/05/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 05/08/22 15:56 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 05/06/22 12:30 | mrd/bls |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 05/11/22 20:06 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 05/17/22 21:05 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000152 | BH   | *  | mg/L  | 0.00005 | 0.00025 | 05/13/22 16:17 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | UH   | *  | mg/L  | 0.0008  | 0.002   | 05/13/22 16:17 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | 0.095    | B    |    | mg/L  | 0.06    | 0.15    | 05/19/22 12:13 | wtc     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00394  | H    | *  | mg/L  | 0.0001  | 0.0005  | 05/13/22 16:17 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00450  |      |    | mg/L  | 0.0001  | 0.0005  | 05/18/22 18:17 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.185    | H    | *  | mg/L  | 0.0004  | 0.002   | 05/13/22 16:17 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | UH   | *  | mg/L  | 0.0002  | 0.001   | 05/09/22 11:08 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | UH   | *  | mg/L  | 0.0001  | 0.0005  | 05/13/22 16:17 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0622   | H    | *  | mg/L  | 0.006   | 0.015   | 05/13/22 16:17 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L  | 0.003 | 0.01 | 05/08/22 15:27 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.2    | H    |    | units | 0.1   | 0.1  | 05/13/22 0:00  | eep     |
| pH measured at                             |                                                | 1        | 21.0   |      |    | C     | 0.1   | 0.1  | 05/13/22 0:00  | eep     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | UH   | *  | mg/L  | 5     | 20   | 05/07/22 19:35 | anc     |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L72987**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG542207</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG542207ICV     | ICV  | 05/13/22 16:06 | MS220502-1 | .05    |        | .050269 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG542207ICB     | ICB  | 05/13/22 16:08 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG542207LFB     | LFB  | 05/13/22 16:10 | MS220506-2 | .05005 |        | .050826 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG541638PBW     | PBW  | 05/13/22 16:12 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG541735PBW     | PBW  | 05/13/22 16:15 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG542070PBW     | PBW  | 05/13/22 16:28 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L73072-01AS     | AS   | 05/13/22 16:32 | MS220506-2 | .05005 | U      | .049392 | mg/L  | 99   | 70       | 130     |     |       |      |
| L73072-01ASD    | ASD  | 05/13/22 16:34 | MS220506-2 | .05005 | U      | .048527 | mg/L  | 97   | 70       | 130     | 2   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542207</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG542207ICV     | ICV  | 05/13/22 16:06 | MS220502-1 | .05 |        | .05244 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG542207ICB     | ICB  | 05/13/22 16:08 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG542207LFB     | LFB  | 05/13/22 16:10 | MS220506-2 | .05 |        | .05235 | mg/L  | 105  | 85       | 115     |     |       |      |
| WG541638PBW     | PBW  | 05/13/22 16:12 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG541735PBW     | PBW  | 05/13/22 16:15 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG542070PBW     | PBW  | 05/13/22 16:28 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L73072-01AS     | AS   | 05/13/22 16:32 | MS220506-2 | .05 | U      | .04626 | mg/L  | 93   | 70       | 130     |     |       |      |
| L73072-01ASD    | ASD  | 05/13/22 16:34 | MS220506-2 | .05 | U      | .04633 | mg/L  | 93   | 70       | 130     | 0   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG541730</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG541730ICV     | ICV  | 05/08/22 14:21 | WI220502-15 | .3003 |        | .2999 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG541730ICB     | ICB  | 05/08/22 14:22 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG541731</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG541636LRB     | LRB  | 05/08/22 15:03 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG541636LFB     | LFB  | 05/08/22 15:04 | WI220502-14 | .2002 |        | .1939 | mg/L  | 97   | 90     | 110   |     |       |      |
| L72907-02DUP    | DUP  | 05/08/22 15:18 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L72907-03LFM    | LFM  | 05/08/22 15:20 | WI220502-14 | .2002 | U      | .1832 | mg/L  | 92   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG542579</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG542579ICV     | ICV  | 05/19/22 11:09 | II220516-3 | 2      |        | 1.994 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG542579ICB     | ICB  | 05/19/22 11:15 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG542388LRB     | LRB  | 05/19/22 11:27 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG542388LFB     | LFB  | 05/19/22 11:31 | II220505-2 | 1.0013 |        | .991  | mg/L  | 99   | 85     | 115   |     |       |      |
| L72970-02LFM    | LFM  | 05/19/22 12:07 | II220505-2 | 1.0013 | U      | 1.011 | mg/L  | 101  | 70     | 130   |     |       |      |
| L72970-02LFMD   | LFMD | 05/19/22 12:10 | II220505-2 | 1.0013 | U      | 1.042 | mg/L  | 104  | 70     | 130   | 3   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72987**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542207</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG542207ICV     | ICV  | 05/13/22 16:06 | MS220502-1 | .05   |        | .05104 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG542207ICB     | ICB  | 05/13/22 16:08 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG542207LFB     | LFB  | 05/13/22 16:10 | MS220506-2 | .0501 |        | .05181 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG541638PBW     | PBW  | 05/13/22 16:12 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG541735PBW     | PBW  | 05/13/22 16:15 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG542070PBW     | PBW  | 05/13/22 16:28 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L73072-01AS     | AS   | 05/13/22 16:32 | MS220506-2 | .0501 | .00012 | .05254 | mg/L  | 105  | 70       | 130     |     |       |      |
| L73072-01ASD    | ASD  | 05/13/22 16:34 | MS220506-2 | .0501 | .00012 | .05224 | mg/L  | 104  | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542400</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG542400ICV     | ICV  | 05/18/22 17:28 | MS220502-1 | .05   |        | .04956 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG542400ICB     | ICB  | 05/18/22 17:29 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG542053LRB     | LRB  | 05/18/22 17:31 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG542053LFB     | LFB  | 05/18/22 17:33 | MS220506-2 | .0501 |        | .04902 | mg/L  | 98   | 85       | 115     |     |       |      |
| L72999-01LFM    | LFM  | 05/18/22 18:20 | MS220506-2 | .0501 | U      | .05207 | mg/L  | 104  | 70       | 130     |     |       |      |
| L72999-01LFMD   | LFMD | 05/18/22 18:22 | MS220506-2 | .0501 | U      | .04964 | mg/L  | 99   | 70       | 130     | 5   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542207</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG542207ICV     | ICV  | 05/13/22 16:06 | MS220502-1 | .05   |        | .05139 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG542207ICB     | ICB  | 05/13/22 16:08 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG542207LFB     | LFB  | 05/13/22 16:10 | MS220506-2 | .0498 |        | .05235 | mg/L  | 105  | 85       | 115     |     |       |      |
| WG541638PBW     | PBW  | 05/13/22 16:12 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG541735PBW     | PBW  | 05/13/22 16:15 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG542070PBW     | PBW  | 05/13/22 16:28 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L73072-01AS     | AS   | 05/13/22 16:32 | MS220506-2 | .0498 | .088   | .13426 | mg/L  | 93   | 70       | 130     |     |       |      |
| L73072-01ASD    | ASD  | 05/13/22 16:34 | MS220506-2 | .0498 | .088   | .13429 | mg/L  | 93   | 70       | 130     | 0   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG541721</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG541721ICV     | ICV  | 05/09/22 10:42 | HG220508-3 | .005005 |        | .00506 | mg/L  | 101  | 95       | 105     |     |       |      |
| WG541721ICB     | ICB  | 05/09/22 10:43 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG541721LRB     | LRB  | 05/09/22 10:45 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG541721LFB     | LFB  | 05/09/22 10:45 | HG220508-6 | .002002 |        | .00174 | mg/L  | 87   | 85       | 115     |     |       |      |
| L72892-05LFM    | LFM  | 05/09/22 11:01 | HG220508-6 | .002002 | U      | .00188 | mg/L  | 94   | 85       | 115     |     |       |      |
| L72892-05LFMD   | LFMD | 05/09/22 11:02 | HG220508-6 | .002002 | U      | .00182 | mg/L  | 91   | 85       | 115     | 3   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG542241</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG542241LCSW1   | LCSW | 05/13/22 20:34 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L72988-01DUP    | DUP  | 05/14/22 0:01  |          |    | 8.2    | 8.2   | units |      |       |       | 0   | 20    |      |



**OURAYSM**

ACZ Project ID: **L72987**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG541714</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG541714PBW     | PBW  | 05/07/22 18:41 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG541714LCSW    | LCSW | 05/07/22 18:43 | PCN63845 | 100 |        | 95    | mg/L  | 95   | 80    | 120   |     |       |      |
| L73028-01DUP    | DUP  | 05/07/22 19:41 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542207</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG542207ICV     | ICV  | 05/13/22 16:06 | MS220502-1 | .02 |        | .02028 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG542207ICB     | ICB  | 05/13/22 16:08 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG542207LFB     | LFB  | 05/13/22 16:10 | MS220506-2 | .01 |        | .0107  | mg/L  | 107  | 85       | 115     |     |       |      |
| WG541638PBW     | PBW  | 05/13/22 16:12 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG541735PBW     | PBW  | 05/13/22 16:15 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG542070PBW     | PBW  | 05/13/22 16:28 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L73072-01AS     | AS   | 05/13/22 16:32 | MS220506-2 | .01 | U      | .01068 | mg/L  | 107  | 70       | 130     |     |       |      |
| L73072-01ASD    | ASD  | 05/13/22 16:34 | MS220506-2 | .01 | U      | .0117  | mg/L  | 117  | 70       | 130     | 9   | 20    |      |

**Zinc, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG542207</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG542207ICV     | ICV  | 05/13/22 16:06 | MS220502-1 | .05     |        | .0491 | mg/L  | 98   | 90      | 110    |     |       |      |
| WG542207ICB     | ICB  | 05/13/22 16:08 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG542207LFB     | LFB  | 05/13/22 16:10 | MS220506-2 | .050075 |        | .057  | mg/L  | 114  | 85      | 115    |     |       |      |
| WG541638PBW     | PBW  | 05/13/22 16:12 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG541735PBW     | PBW  | 05/13/22 16:15 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG542070PBW     | PBW  | 05/13/22 16:28 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L73072-01AS     | AS   | 05/13/22 16:32 | MS220506-2 | .050075 | U      | .052  | mg/L  | 104  | 70      | 130    |     |       |      |
| L73072-01ASD    | ASD  | 05/13/22 16:34 | MS220506-2 | .050075 | U      | .0516 | mg/L  | 103  | 70      | 130    | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L72987**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L72987-01</b> | WG542207 | Cadmium, potentially dissolved      | M200.8 ICP-MS                                 | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          | Copper, potentially dissolved       | M200.8 ICP-MS                                 | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG541731 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|                  |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG542207 | Lead, potentially dissolved         | M200.8 ICP-MS                                 | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          | Manganese, potentially dissolved    | M200.8 ICP-MS                                 | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG541721 | Mercury, total                      | M245.1 CVAA                                   | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG541714 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                                       | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|                  |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG542207 | Silver, potentially dissolved       | M200.8 ICP-MS                                 | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          | Zinc, potentially dissolved         | M200.8 ICP-MS                                 | H3   | Sample was received and analyzed past holding time.                                                                                                                   |

**Ouray Silver Mines**

ACZ Project ID: **L72987**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L72987

Date Received: 05/05/2022 10:19

Received By:

Date Printed: 5/6/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Some parameters were received past hold time.

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA37511   | 9.5       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L72987

Date Received: 05/05/2022 10:19

Received By:

Date Printed: 5/6/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



June 06, 2022

Report to:  
Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:  
Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Poppy Staub

Project ID:  
ACZ Project ID: L73292

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 18, 2022. This project has been assigned to ACZ's project number, L73292. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L73292. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 06, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

  
Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L73292-01**

Date Sampled: 05/17/22 10:51

Date Received: 05/18/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 05/20/22 15:22 | scp     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 06/01/22 12:03 | mrd/bls |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 05/25/22 13:55 | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 05/28/22 18:24 | wtc     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000188 | B    |    | mg/L  | 0.00005 | 0.00025 | 05/24/22 22:52 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 05/24/22 22:52 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | 0.063    | B    |    | mg/L  | 0.06    | 0.15    | 05/31/22 19:32 | keh1    |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00263  |      |    | mg/L  | 0.0001  | 0.0005  | 05/24/22 22:52 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00275  |      |    | mg/L  | 0.0001  | 0.0005  | 05/31/22 12:48 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.175    |      |    | mg/L  | 0.0004  | 0.002   | 05/24/22 22:52 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 05/23/22 15:46 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 05/24/22 22:52 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0596   |      |    | mg/L  | 0.006   | 0.015   | 05/24/22 22:52 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | 0.0488 | H    | *  | mg/L  | 0.003 | 0.01 | 06/02/22 13:55 | mrd/bls |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.1    | H    |    | units | 0.1   | 0.1  | 05/26/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.0   |      |    | C     | 0.1   | 0.1  | 05/26/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 05/24/22 11:49 | anc     |



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L73292-02**

Date Sampled: 05/17/22 10:51

Date Received: 05/18/22

Sample Matrix: Waste Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 05/25/22 13:55 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 05/25/22 8:45  | mfm     |

Metals Analysis

| Parameter                             | EPA Method                                   | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|---------------------------------------|----------------------------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Arsenic, total recoverable            | M200.8 ICP-MS                                | 1        | 0.00162  |      |    | mg/L  | 0.0002  | 0.001   | 05/27/22 12:43 | mfm     |
| Cadmium, total                        | M200.8 ICP-MS                                | 1        | 0.000171 | B    |    | mg/L  | 0.00005 | 0.00025 | 05/31/22 12:50 | kja     |
| Chromium, total recoverable           | M200.8 ICP-MS                                | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 05/27/22 12:43 | mfm     |
| Chromium, Trivalent Total Recoverable | Calculation (Total Recoverable - Hexavalent) |          | <0.005   | U    |    | mg/L  | 0.005   | 0.02    | 06/06/22 0:00  | calc    |
| Copper, total                         | M200.8 ICP-MS                                | 1        | 0.00080  | B    |    | mg/L  | 0.0008  | 0.002   | 05/31/22 12:50 | kja     |
| Mercury, total                        | M1631E, Atomic Fluorescence                  | 1        | 0.92     | B    |    | ng/L  | 0.3     | 1       | 05/24/22 15:20 | mlh     |
| Zinc, total                           | M200.8 ICP-MS                                | 1        | 0.0582   |      |    | mg/L  | 0.006   | 0.015   | 05/31/22 12:50 | kja     |

Wet Chemistry

| Parameter                       | EPA Method | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|---------------------------------|------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Dissolved Chromium, Hexavalent  | SM3500Cr-B | 1        | <0.005 | U    | *  | mg/L  | 0.005 | 0.02 | 05/18/22 10:08 | scd     |
| Residue, Filterable (TDS) @180C | SM2540C    | 1        | 186    |      |    | mg/L  | 20    | 40   | 05/24/22 8:29  | anc     |



## Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

## QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

## QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

## ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

## Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

## Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L73292**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543089</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG543089ICV     | ICV  | 05/27/22 12:09 | MS220502-1 | .05    |        | .05262 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG543089ICB     | ICB  | 05/27/22 12:10 |            |        |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG542905LRB     | LRB  | 05/27/22 12:12 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG542905LFB     | LFB  | 05/27/22 12:14 | MS220506-2 | .05005 |        | .04832 | mg/L  | 97   | 85       | 115     |     |       |      |
| L73271-02LFM    | LFM  | 05/27/22 12:22 | MS220506-2 | .05005 | .00057 | .04578 | mg/L  | 90   | 70       | 130     |     |       |      |
| L73271-02LFMD   | LFMD | 05/27/22 12:24 | MS220506-2 | .05005 | .00057 | .04554 | mg/L  | 90   | 70       | 130     | 1   | 20    |      |

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG542893</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG542893ICV     | ICV  | 05/24/22 22:22 | MS220502-1 | .05    |        | .051554 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG542893ICB     | ICB  | 05/24/22 22:24 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG542893LFB     | LFB  | 05/24/22 22:26 | MS220506-2 | .05005 |        | .048529 | mg/L  | 97   | 85       | 115     |     |       |      |
| WG541735PBW     | PBW  | 05/24/22 22:28 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG542247PBW     | PBW  | 05/24/22 22:32 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG542691PBW     | PBW  | 05/24/22 22:35 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L73271-03AS     | AS   | 05/24/22 22:44 | MS220506-2 | .05005 | U      | .046603 | mg/L  | 93   | 70       | 130     |     |       |      |
| L73271-03ASD    | ASD  | 05/24/22 22:46 | MS220506-2 | .05005 | U      | .04794  | mg/L  | 96   | 70       | 130     | 3   | 20    |      |
| WG542726PBW     | PBW  | 05/24/22 22:57 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG543216</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG543216ICV     | ICV  | 05/31/22 12:16 | MS220502-1 | .05    |        | .050915 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG543216ICB     | ICB  | 05/31/22 12:18 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG542964LRB     | LRB  | 05/31/22 12:20 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG542964LFB     | LFB  | 05/31/22 12:23 | MS220506-2 | .05005 |        | .046802 | mg/L  | 94   | 85       | 115     |     |       |      |
| L73279-02LFM    | LFM  | 05/31/22 12:32 | MS2XW      | .1001  | U      | .095997 | mg/L  | 96   | 70       | 130     |     |       |      |
| L73279-02LFMD   | LFMD | 05/31/22 12:34 | MS2XW      | .1001  | U      | .096105 | mg/L  | 96   | 70       | 130     | 0   | 20    |      |

**Chromium, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG543089</b> |      |                |            |     |        |        |       |      |         |        |     |       |      |
| WG543089ICV     | ICV  | 05/27/22 12:09 | MS220502-1 | .05 |        | .05335 | mg/L  | 107  | 90      | 110    |     |       |      |
| WG543089ICB     | ICB  | 05/27/22 12:10 |            |     |        | U      | mg/L  |      | -0.0015 | 0.0015 |     |       |      |
| WG542905LRB     | LRB  | 05/27/22 12:12 |            |     |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG542905LFB     | LFB  | 05/27/22 12:14 | MS220506-2 | .05 |        | .04812 | mg/L  | 96   | 85      | 115    |     |       |      |
| L73271-02LFM    | LFM  | 05/27/22 12:22 | MS220506-2 | .05 | U      | .04716 | mg/L  | 94   | 70      | 130    |     |       |      |
| L73271-02LFMD   | LFMD | 05/27/22 12:24 | MS220506-2 | .05 | U      | .04674 | mg/L  | 93   | 70      | 130    | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73292**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542893</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG542893ICV     | ICV  | 05/24/22 22:22 | MS220502-1 | .05 |        | .05241 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG542893ICB     | ICB  | 05/24/22 22:24 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG542893LFB     | LFB  | 05/24/22 22:26 | MS220506-2 | .05 |        | .04728 | mg/L  | 95   | 85       | 115     |     |       |      |
| WG541735PBW     | PBW  | 05/24/22 22:28 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG542247PBW     | PBW  | 05/24/22 22:32 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG542691PBW     | PBW  | 05/24/22 22:35 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L73271-03AS     | AS   | 05/24/22 22:44 | MS220506-2 | .05 |        | .03998 | mg/L  | 80   | 70       | 130     |     |       |      |
| L73271-03ASD    | ASD  | 05/24/22 22:46 | MS220506-2 | .05 |        | .04089 | mg/L  | 82   | 70       | 130     | 2   | 20    |      |
| WG542726PBW     | PBW  | 05/24/22 22:57 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**Copper, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543216</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG543216ICV     | ICV  | 05/31/22 12:16 | MS220502-1 | .05   |        | .05263 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG543216ICB     | ICB  | 05/31/22 12:18 |            |       |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG542964LRB     | LRB  | 05/31/22 12:20 |            |       |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG542964LFB     | LFB  | 05/31/22 12:23 | MS220506-2 | .05   |        | .04747 | mg/L  | 95   | 85       | 115     |     |       |      |
| L73279-02LFM    | LFM  | 05/31/22 12:32 | MS2XW      | .1002 | U      | .09303 | mg/L  | 93   | 70       | 130     |     |       |      |
| L73279-02LFMD   | LFMD | 05/31/22 12:34 | MS2XW      | .1002 | U      | .09552 | mg/L  | 95   | 70       | 130     | 3   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG543453</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG543453ICV     | ICV  | 06/02/22 13:48 | WI220527-3 | .3003 |        | .3025 | mg/L  | 101  | 90     | 110   |     |       |      |
| WG543453ICB     | ICB  | 06/02/22 13:49 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543317LRB     | LRB  | 06/02/22 13:50 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543317LFB     | LFB  | 06/02/22 13:51 | WI220527-2 | .2002 |        | .1957 | mg/L  | 98   | 90     | 110   |     |       |      |
| L73300-03LFM    | LFM  | 06/02/22 14:01 | WI220527-2 | .2002 | .0039  | .2054 | mg/L  | 101  | 90     | 110   |     |       |      |
| L73300-04DUP    | DUP  | 06/02/22 14:03 |            |       | .0045  | .0143 | mg/L  |      |        |       | 104 | 20    | RA   |

**Dissolved Chromium, Hexavalent**

SM3500Cr-B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG542440</b> |      |                |            |     |        |       |       |      |        |       |     |       |      |
| WG542440ICV     | ICV  | 05/18/22 9:39  | WC220415-6 | .05 |        | .0487 | mg/L  | 97   | 90     | 110   |     |       |      |
| WG542440ICB     | ICB  | 05/18/22 9:48  |            |     |        | U     | mg/L  |      | -0.005 | 0.005 |     |       |      |
| WG542440LFB     | LFB  | 05/18/22 9:58  | WC220415-8 | .05 |        | .0518 | mg/L  | 104  | 90     | 110   |     |       |      |
| L73292-02AS     | AS   | 05/18/22 10:18 | WC220415-8 | .05 | U      | .0417 | mg/L  | 83   | 90     | 110   |     |       | M2   |
| L73292-02DUP    | DUP  | 05/18/22 10:28 |            |     | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG543255</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG543255ICV     | ICV  | 05/31/22 17:56 | II220519-3 | 2      |        | 1.993 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG543255ICB     | ICB  | 05/31/22 18:02 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG543183LRB     | LRB  | 05/31/22 18:15 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG543183LFB     | LFB  | 05/31/22 18:18 | II220505-2 | 1.0013 |        | 1.026 | mg/L  | 102  | 85     | 115   |     |       |      |
| L73318-07LFM    | LFM  | 05/31/22 19:42 | II220505-2 | 1.0013 | 1.29   | 2.294 | mg/L  | 100  | 70     | 130   |     |       |      |
| L73318-07LFMD   | LFMD | 05/31/22 19:45 | II220505-2 | 1.0013 | 1.29   | 2.266 | mg/L  | 97   | 70     | 130   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73292**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542893</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG542893ICV     | ICV  | 05/24/22 22:22 | MS220502-1 | .05   |        | .05083 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG542893ICB     | ICB  | 05/24/22 22:24 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG542893LFB     | LFB  | 05/24/22 22:26 | MS220506-2 | .0501 |        | .04801 | mg/L  | 96   | 85       | 115     |     |       |      |
| WG541735PBW     | PBW  | 05/24/22 22:28 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG542247PBW     | PBW  | 05/24/22 22:32 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG542691PBW     | PBW  | 05/24/22 22:35 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L73271-03AS     | AS   | 05/24/22 22:44 | MS220506-2 | .0501 | U      | .0488  | mg/L  | 97   | 70       | 130     |     |       |      |
| L73271-03ASD    | ASD  | 05/24/22 22:46 | MS220506-2 | .0501 | U      | .04986 | mg/L  | 100  | 70       | 130     | 2   | 20    |      |
| WG542726PBW     | PBW  | 05/24/22 22:57 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543216</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG543216ICV     | ICV  | 05/31/22 12:16 | MS220502-1 | .05   |        | .05247 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG543216ICB     | ICB  | 05/31/22 12:18 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG542964LRB     | LRB  | 05/31/22 12:20 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG542964LFB     | LFB  | 05/31/22 12:23 | MS220506-2 | .0501 |        | .04869 | mg/L  | 97   | 85       | 115     |     |       |      |
| L73279-02LFM    | LFM  | 05/31/22 12:32 | MS2XW      | .1001 | .00038 | .09773 | mg/L  | 97   | 70       | 130     |     |       |      |
| L73279-02LFMD   | LFMD | 05/31/22 12:34 | MS2XW      | .1001 | .00038 | .0989  | mg/L  | 98   | 70       | 130     | 1   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542893</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG542893ICV     | ICV  | 05/24/22 22:22 | MS220502-1 | .05   |        | .05095 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG542893ICB     | ICB  | 05/24/22 22:24 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG542893LFB     | LFB  | 05/24/22 22:26 | MS220506-2 | .0498 |        | .04767 | mg/L  | 96   | 85       | 115     |     |       |      |
| WG541735PBW     | PBW  | 05/24/22 22:28 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG542247PBW     | PBW  | 05/24/22 22:32 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG542691PBW     | PBW  | 05/24/22 22:35 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L73271-03AS     | AS   | 05/24/22 22:44 | MS220506-2 | .0498 | .207   | .2519  | mg/L  | 90   | 70       | 130     |     |       |      |
| L73271-03ASD    | ASD  | 05/24/22 22:46 | MS220506-2 | .0498 | .207   | .25226 | mg/L  | 91   | 70       | 130     | 0   | 20    |      |
| WG542726PBW     | PBW  | 05/24/22 22:57 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**OURAYSM**

ACZ Project ID: **L73292**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG541979</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG541979ICV1    | ICV  | 05/11/22 11:12 | HG220325-4 | 10 |        | 10    | ng/L  | 100  | 79     | 121   |     |       |      |
| WG541979ICB1    | ICB  | 05/11/22 11:17 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG542853</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG542853CCV1    | CCV  | 05/24/22 10:32 | HG220325-4 | 10 |        | 9.81  | ng/L  | 98   | 76.5   | 123.4 |     |       |      |
| WG542853CCB1    | CCB  | 05/24/22 10:36 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG542853PQV     | PQV  | 05/24/22 10:41 | HG220325-6 | 1  |        | 1.23  | ng/L  | 123  | 70     | 130   |     |       |      |
| WG542853CCV2    | CCV  | 05/24/22 13:11 | HG220325-4 | 10 |        | 8.47  | ng/L  | 85   | 76.5   | 123.4 |     |       |      |
| WG542853CCB2    | CCB  | 05/24/22 13:16 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG542853LFB     | LFB  | 05/24/22 13:21 | HG220325-5 | 2  |        | 1.87  | ng/L  | 94   | 71     | 125   |     |       |      |
| WG542853CCV3    | CCV  | 05/24/22 14:08 | HG220325-4 | 10 |        | 8.65  | ng/L  | 87   | 76.5   | 123.4 |     |       |      |
| WG542853CCB3    | CCB  | 05/24/22 14:13 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| L73224-07MS     | MS   | 05/24/22 14:42 | HG220325-5 | 2  | 1.17   | 2.96  | ng/L  | 90   | 71     | 125   |     |       |      |
| L73224-07MSD    | MSD  | 05/24/22 14:47 | HG220325-5 | 2  | 1.17   | 3.1   | ng/L  | 97   | 71     | 125   | 5   | 24    |      |
| WG542853CCV4    | CCV  | 05/24/22 15:06 | HG220325-4 | 10 |        | 8.42  | ng/L  | 84   | 76.5   | 123.4 |     |       |      |
| WG542853CCB4    | CCB  | 05/24/22 15:10 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG542853CCV5    | CCV  | 05/24/22 15:39 | HG220325-4 | 10 |        | 8.66  | ng/L  | 87   | 76.5   | 123.4 |     |       |      |
| WG542853CCB5    | CCB  | 05/24/22 15:44 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542728</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG542728ICV     | ICV  | 05/23/22 13:51 | HG220523-3 | .005005 |        | .00509 | mg/L  | 102  | 95       | 105     |     |       |      |
| WG542728ICB     | ICB  | 05/23/22 13:52 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG542731</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG542731LRB     | LRB  | 05/23/22 15:44 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG542731LFB     | LFB  | 05/23/22 15:45 | HG220523-6 | .002002 |        | .00191 | mg/L  | 95   | 85       | 115     |     |       |      |
| L73292-01LFM    | LFM  | 05/23/22 15:47 | HG220523-6 | .002002 | U      | .00192 | mg/L  | 96   | 85       | 115     |     |       |      |
| L73292-01LFMD   | LFMD | 05/23/22 15:48 | HG220523-6 | .002002 | U      | .00188 | mg/L  | 94   | 85       | 115     | 2   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543101</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG543101LCSW1   | LCSW | 05/26/22 19:09 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543101LCSW4   | LCSW | 05/26/22 22:18 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L73304-02DUP    | DUP  | 05/26/22 23:49 |          |    | 7.9    | 7.9   | units |      |       |       | 0   | 20    |      |
| WG543101LCSW7   | LCSW | 05/27/22 1:08  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543101LCSW10  | LCSW | 05/27/22 4:31  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543101LCSW13  | LCSW | 05/27/22 7:26  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed      | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG542809</b> |      |               |          |      |        |       |       |      |       |       |     |       |      |
| WG542809PBW     | PBW  | 05/24/22 8:22 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG542809LCSW    | LCSW | 05/24/22 8:24 | PCN65840 | 1000 |        | 984   | mg/L  | 98   | 80    | 120   |     |       |      |
| L73339-02DUP    | DUP  | 05/24/22 8:56 |          |      | 2530   | 2532  | mg/L  |      |       |       | 0   | 10    |      |

**OURAYSM**

ACZ Project ID: **L73292**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG542851</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG542851PBW     | PBW  | 05/24/22 11:39 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG542851LCSW    | LCSW | 05/24/22 11:41 | PCN65840 | 100 |        | 94    | mg/L  | 94   | 80    | 120   |     |       |      |
| L73300-01DUP    | DUP  | 05/24/22 12:10 |          |     | 6      | U     | mg/L  |      |       |       | 200 | 10    | RA   |

**Silver, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG542893</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG542893ICV     | ICV  | 05/24/22 22:22 | MS220502-1 | .02 |        | .02136 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG542893ICB     | ICB  | 05/24/22 22:24 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG542893LFB     | LFB  | 05/24/22 22:26 | MS220506-2 | .01 |        | .01039 | mg/L  | 104  | 85       | 115     |     |       |      |
| WG541735PBW     | PBW  | 05/24/22 22:28 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG542247PBW     | PBW  | 05/24/22 22:32 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG542691PBW     | PBW  | 05/24/22 22:35 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L73271-03AS     | AS   | 05/24/22 22:44 | MS220506-2 | .01 | U      | .00779 | mg/L  | 78   | 70       | 130     |     |       |      |
| L73271-03ASD    | ASD  | 05/24/22 22:46 | MS220506-2 | .01 | U      | .008   | mg/L  | 80   | 70       | 130     | 3   | 20    |      |
| WG542726PBW     | PBW  | 05/24/22 22:57 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Zinc, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG542893</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG542893ICV     | ICV  | 05/24/22 22:22 | MS220502-1 | .05     |        | .0497 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG542893ICB     | ICB  | 05/24/22 22:24 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG542893LFB     | LFB  | 05/24/22 22:26 | MS220506-2 | .050075 |        | .0508 | mg/L  | 101  | 85      | 115    |     |       |      |
| WG541735PBW     | PBW  | 05/24/22 22:28 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG542247PBW     | PBW  | 05/24/22 22:32 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG542691PBW     | PBW  | 05/24/22 22:35 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L73271-03AS     | AS   | 05/24/22 22:44 | MS220506-2 | .050075 | .006   | .0518 | mg/L  | 91   | 70      | 130    |     |       |      |
| L73271-03ASD    | ASD  | 05/24/22 22:46 | MS220506-2 | .050075 | .006   | .0528 | mg/L  | 93   | 70      | 130    | 2   | 20    |      |
| WG542726PBW     | PBW  | 05/24/22 22:57 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |

**Zinc, total M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG543216</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG543216ICV     | ICV  | 05/31/22 12:16 | MS220502-1 | .05     |        | .0484 | mg/L  | 97   | 90      | 110    |     |       |      |
| WG543216ICB     | ICB  | 05/31/22 12:18 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG542964LRB     | LRB  | 05/31/22 12:20 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG542964LFB     | LFB  | 05/31/22 12:23 | MS220506-2 | .050075 |        | .05   | mg/L  | 100  | 85      | 115    |     |       |      |
| L73279-02LFM    | LFM  | 05/31/22 12:32 | MS2XW      | .10016  | U      | .1058 | mg/L  | 106  | 70      | 130    |     |       |      |
| L73279-02LFMD   | LFMD | 05/31/22 12:34 | MS2XW      | .10016  | U      | .1045 | mg/L  | 104  | 70      | 130    | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L73292**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L73292-01</b> | WG543453 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|                  |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG542851 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L73292-02</b> | WG542440 | Dissolved Chromium, Hexavalent      | SM3500Cr-B                                    | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  |          |                                     | SM3500Cr-B                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |



**Ouray Silver Mines**

ACZ Project ID: **L73292**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L73292

Date Received: 05/18/2022 09:09

Received By:

Date Printed: 5/19/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

trip blank was received empty and not logged in.

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA37594   | 1.2       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L73292

Date Received: 05/18/2022 09:09

Received By:

Date Printed: 5/19/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

## CHAIN of CUSTODY

Report to:

|                                            |  |                                  |
|--------------------------------------------|--|----------------------------------|
| Name: Todd Jesse                           |  | Address: 1900 Main St Unit 1     |
| Company: Ouray Silver Mines Inc            |  | Ouray, CO 81427                  |
| E-mail: environmental@ouraysilvermines.com |  | Telephone: 970-325-9830 Ext 1106 |

## Copy of Report to:

|                                 |                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------|
| Name: Poppy Staub               | E-mail: <a href="mailto:environmentall@ouraysilvermines.com">environmentall@ouraysilvermines.com</a> |
| Company: Ouray Silver Mines Inc | Telephone: 970-325-9830                                                                              |

**Invoice to:**

|                                      |                                                                                                           |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Name: Jen Smith                      | <div> <div>Address: PO Box 564</div> <div>Ouray, CO 81427</div> <div>Telephone: 970-325-9830</div> </div> |
| Company: Ouray Silver Mines          |                                                                                                           |
| E-mail: payable@ouraysilvermines.com |                                                                                                           |

**If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?**

|     |                                     |
|-----|-------------------------------------|
| YES | <input checked="" type="checkbox"/> |
| NO  | <input type="checkbox"/>            |

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

**Are samples for SDWA Compliance Monitoring?**

|     |                          |    |                                     |
|-----|--------------------------|----|-------------------------------------|
| Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
|-----|--------------------------|----|-------------------------------------|

**If yes, please include state forms. Results will be reported to PQL for Colorado.**

Sampler's Name: Todd Jesse
 Sampler's Site Information
 State CO
 Zip code 81427
 Time Zone mnt

\*Sampler's Signature: 

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

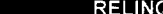
## PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

|                                                     |                                                                                                                                        |                 |        |                 |                                     |                                     |                          |                          |                          |                          |                          |                          |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------|-----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Quote #: CDPS-BIMONTH-WW & CDPS-QUART-WW            |                                                                                                                                        |                 |        |                 |                                     |                                     |                          |                          |                          |                          |                          |                          |
| PO#:                                                |                                                                                                                                        |                 |        |                 |                                     |                                     |                          |                          |                          |                          |                          |                          |
| Reporting state for compliance testing: CO          |                                                                                                                                        |                 |        |                 |                                     |                                     |                          |                          |                          |                          |                          |                          |
| Check box if samples include NRC licensed material? |                                                                                                                                        |                 |        |                 |                                     |                                     |                          |                          |                          |                          |                          | <input type="checkbox"/> |
| SAMPLE IDENTIFICATION                               |                                                                                                                                        | DATE: TIME      | Matrix | # of Containers | CPDS-BIMONTH-WW                     | CPDS-QUART-WW                       |                          |                          |                          |                          |                          |                          |
| OF002A                                              |                                                                                                                                        | 5/17/22 ; 10:51 | WW     | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| OF002A                                              |                                                                                                                                        | 5/17/22 ; 10:51 | WW     | 4               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hg Trip Blank                                       |                                                                                                                                        |                 |        | 1               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Matrix                                              | SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify) |                 |        |                 |                                     |                                     |                          |                          |                          |                          |                          |                          |

## REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

| RELINQUISHED BY:                                                                    | DATE:TIME     | RECEIVED BY:                                                                        | DATE:TIME    |
|-------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|--------------|
|  | 5/17/22 13:00 |  | 5/18/22 9:00 |
|                                                                                     |               |                                                                                     |              |
|                                                                                     |               |                                                                                     |              |

FRMAD050.06.14.14

White - Return with sample.

Yellow - Retain for your records.



June 17, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L73581

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 01, 2022. This project has been assigned to ACZ's project number, L73581. Please reference this number in all future inquiries.

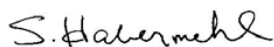
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L73581. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 17, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L73581-01**

Date Sampled: 05/31/22 11:05

Date Received: 06/01/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 06/04/22 10:05 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 06/07/22 9:38  | gkk/bls |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 06/09/22 13:46 | aeH     |

## Metals Analysis

| Parameter                      | EPA Method    | Dilution | Result  | Qual | XQ | Units | MDL    | PQL    | Date           | Analyst |
|--------------------------------|---------------|----------|---------|------|----|-------|--------|--------|----------------|---------|
| Iron, total recoverable        | M200.7 ICP    | 1        | 0.140   | B    |    | mg/L  | 0.06   | 0.15   | 06/11/22 1:29  | wtc     |
| Lead, potentially<br>dissolved | M200.8 ICP-MS | 1        | 0.00406 |      | *  | mg/L  | 0.0001 | 0.0005 | 06/10/22 13:32 | mfm     |
| Mercury, total                 | M245.1 CVAA   | 1        | <0.0002 | U    |    | mg/L  | 0.0002 | 0.001  | 06/06/22 16:45 | mlh     |
| Zinc, potentially<br>dissolved | M200.8 ICP-MS | 1        | 0.0616  |      |    | mg/L  | 0.006  | 0.015  | 06/10/22 13:32 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 06/07/22 14:56 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.1    | H    |    | units | 0.1   | 0.1  | 06/07/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 21.7   |      |    | C     | 0.1   | 0.1  | 06/07/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 06/06/22 17:12 | scd     |


**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L73581**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG543788</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG543788ICV     | ICV  | 06/07/22 14:51 | WI220527-3 | .3003 |        | .2973 | mg/L  | 99   | 90     | 110   |     |       |      |
| WG543788ICB     | ICB  | 06/07/22 14:52 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543652LRB     | LRB  | 06/07/22 14:52 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543652LFB     | LFB  | 06/07/22 14:53 | WI220527-2 | .2002 |        | .1914 | mg/L  | 96   | 90     | 110   |     |       |      |
| L73604-02DUP    | DUP  | 06/07/22 14:59 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L73604-03LFM    | LFM  | 06/07/22 15:03 | WI220527-2 | .2002 | U      | .1625 | mg/L  | 81   | 90     | 110   |     |       | M2   |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG544093</b> |      |               |            |        |        |       |       |      |        |       |     |       |      |
| WG544093ICV     | ICV  | 06/11/22 0:20 | II220609-1 | 2      |        | 1.994 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG544093ICB     | ICB  | 06/11/22 0:27 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG543963LRB     | LRB  | 06/11/22 0:40 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG543963LFB     | LFB  | 06/11/22 0:43 | II220602-7 | 1.0013 |        | .989  | mg/L  | 99   | 85     | 115   |     |       |      |
| L73581-01LFM    | LFM  | 06/11/22 1:32 | II220602-7 | 1.0013 | .14    | 1.063 | mg/L  | 92   | 70     | 130   |     |       |      |
| L73581-01LFMD   | LFMD | 06/11/22 1:35 | II220602-7 | 1.0013 | .14    | 1.072 | mg/L  | 93   | 70     | 130   | 1   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544084</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG544084ICV     | ICV  | 06/10/22 13:25 | MS220502-1  | .05   |        | .05143 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG544084ICB     | ICB  | 06/10/22 13:27 |             |       |        | .00027 | mg/L  |      | -0.00022 | 0.00022 |     |       | BB   |
| WG544084LFB     | LFB  | 06/10/22 13:29 | MS220601-10 | .0501 |        | .05047 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG543603PBW     | PBW  | 06/10/22 13:31 |             |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L73635-01AS     | AS   | 06/10/22 13:40 | MS220601-10 | .0501 | U      | .05133 | mg/L  | 102  | 70       | 130     |     |       |      |
| L73635-01ASD    | ASD  | 06/10/22 13:42 | MS220601-10 | .0501 | U      | .04966 | mg/L  | 99   | 70       | 130     | 3   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543621</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG543621ICV1    | ICV  | 06/06/22 15:13 | HG220606-3 | .005005 |        | .0051  | mg/L  | 102  | 95       | 105     |     |       |      |
| WG543621ICB     | ICB  | 06/06/22 15:14 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG543623</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG543623LRB     | LRB  | 06/06/22 16:34 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543623LFB     | LFB  | 06/06/22 16:35 | HG220606-6 | .002002 |        | .00198 | mg/L  | 99   | 85       | 115     |     |       |      |
| L73580-01LFM    | LFM  | 06/06/22 16:41 | HG220606-6 | .002002 | U      | .00178 | mg/L  | 89   | 85       | 115     |     |       |      |
| L73580-01LFMD   | LFMD | 06/06/22 16:42 | HG220606-6 | .002002 | U      | .00184 | mg/L  | 92   | 85       | 115     | 3   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543717</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG543717LCSW1   | LCSW | 06/06/22 19:54 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543717LCSW7   | LCSW | 06/07/22 2:04  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543717LCSW10  | LCSW | 06/07/22 5:05  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L73585-02DUP    | DUP  | 06/07/22 5:58  |          |    | 8.4    | 8.4   | units |      |       |       | 0   | 20    |      |
| WG543717LCSW13  | LCSW | 06/07/22 8:14  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |



**OURAYSM**

ACZ Project ID: **L73581**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543712</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG543712PBW     | PBW  | 06/06/22 17:00 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG543712LCSW    | LCSW | 06/06/22 17:01 | PCN63842 | 100 |        | 102   | mg/L  | 102  | 80    | 120   |     |       |      |
| L73585-02DUP    | DUP  | 06/06/22 17:18 |          |     | 9      | 11    | mg/L  |      |       |       | 20  | 10    | RA   |

**Zinc, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG544084</b> |      |                |             |         |        |       |       |      |         |        |     |       |      |
| WG544084ICV     | ICV  | 06/10/22 13:25 | MS220502-1  | .05     |        | .0479 | mg/L  | 96   | 90      | 110    |     |       |      |
| WG544084ICB     | ICB  | 06/10/22 13:27 |             |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG544084LFB     | LFB  | 06/10/22 13:29 | MS220601-10 | .050075 |        | .0506 | mg/L  | 101  | 85      | 115    |     |       |      |
| WG543603PBW     | PBW  | 06/10/22 13:31 |             |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L73635-01AS     | AS   | 06/10/22 13:40 | MS220601-10 | .050075 | .0345  | .0859 | mg/L  | 103  | 70      | 130    |     |       |      |
| L73635-01ASD    | ASD  | 06/10/22 13:42 | MS220601-10 | .050075 | .0345  | .0843 | mg/L  | 99   | 70      | 130    | 2   | 20    |      |

**Ouray Silver Mines**ACZ Project ID: **L73581**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L73581-01 | WG543788 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG544084 | Lead, potentially dissolved         | M200.8 ICP-MS                                 | BB   | Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.                         |
|           | WG543712 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L73581**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L73581

Date Received: 06/01/2022 13:53

Received By:

Date Printed: 6/2/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| 7085      | 6.4       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L73581

Date Received: 06/01/2022 13:53

Received By:

Date Printed: 6/2/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc. **L73581**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 970-325-9830

Copy of Report to:

Name: Poppy Staub  
Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com  
Telephone: 970 325-9830

Invoice to:

Name: Jen Smith  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Ouray, CO 81427  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mnt

\*Sampler's Signature: *Todd Jesse*

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: CDPS-BIMONTH-WW (PD-Lead only)

PO#:

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

| SAMPLE IDENTIFICATION | DATE:TIME     | Matrix | # of Containers | CDPS-BIMONTH-WW (PD-Lead only)      |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|---------------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| OF002A                | 5/31/22 11:05 | WW     | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please only run potentially dissolved lead via ICP-MS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

*Todd Jesse*

5/31/22 13:30

*YML*

6/1/22 1353

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

June 22, 2022

## Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

## Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

## Project ID:

ACZ Project ID: L73633

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 02, 2022. This project has been assigned to ACZ's project number, L73633. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L73633. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 22, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L73633-01**

Date Sampled: 06/01/22 00:00

Date Received: 06/02/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 06/18/22 12:04 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 06/09/22 15:36 | gkk/bls |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 06/08/22 16:30 | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 06/09/22 21:21 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000169 | B    |    | mg/L  | 0.00005 | 0.00025 | 06/20/22 16:25 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | 0.00088  | B    |    | mg/L  | 0.0008  | 0.002   | 06/20/22 16:25 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | 0.078    | B    |    | mg/L  | 0.06    | 0.15    | 06/11/22 3:40  | wtc     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00376  |      |    | mg/L  | 0.0001  | 0.0005  | 06/20/22 16:25 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00468  |      |    | mg/L  | 0.0001  | 0.0005  | 06/10/22 19:32 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.137    |      |    | mg/L  | 0.0004  | 0.002   | 06/20/22 16:25 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/06/22 17:33 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/20/22 16:25 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0648   |      |    | mg/L  | 0.006   | 0.015   | 06/20/22 16:25 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 06/13/22 11:09 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.5    | H    |    | units | 0.1   | 0.1  | 06/07/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.8   |      |    | C     | 0.1   | 0.1  | 06/07/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 06/07/22 14:15 | anc     |




**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L73633**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG544726</b> |      |                |             |        |         |         |       |      |          |         |     |       |      |
| WG544726ICV     | ICV  | 06/20/22 16:07 | MS220502-1  | .05    |         | .052395 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG544726ICB     | ICB  | 06/20/22 16:09 |             |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG544726LFB     | LFB  | 06/20/22 16:11 | MS220601-10 | .05005 |         | .049594 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG544055PBW     | PBW  | 06/20/22 16:13 |             |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG544661PBW     | PBW  | 06/20/22 16:18 |             |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L73633-01AS     | AS   | 06/20/22 16:27 | MS220601-10 | .05005 | .000169 | .053063 | mg/L  | 106  | 70       | 130     |     |       |      |
| L73633-01ASD    | ASD  | 06/20/22 16:30 | MS220601-10 | .05005 | .000169 | .052279 | mg/L  | 104  | 70       | 130     | 1   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544726</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG544726ICV     | ICV  | 06/20/22 16:07 | MS220502-1  | .05 |        | .05405 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG544726ICB     | ICB  | 06/20/22 16:09 |             |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG544726LFB     | LFB  | 06/20/22 16:11 | MS220601-10 | .05 |        | .04981 | mg/L  | 100  | 85       | 115     |     |       |      |
| WG544055PBW     | PBW  | 06/20/22 16:13 |             |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG544661PBW     | PBW  | 06/20/22 16:18 |             |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L73633-01AS     | AS   | 06/20/22 16:27 | MS220601-10 | .05 | .00088 | .04931 | mg/L  | 97   | 70       | 130     |     |       |      |
| L73633-01ASD    | ASD  | 06/20/22 16:30 | MS220601-10 | .05 | .00088 | .04986 | mg/L  | 98   | 70       | 130     | 1   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG544187</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG544187ICV     | ICV  | 06/13/22 10:49 | WI220613-4 | .3003 |        | .2817 | mg/L  | 94   | 90     | 110   |     |       |      |
| WG544187ICB     | ICB  | 06/13/22 10:50 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543941LRB     | LRB  | 06/13/22 10:51 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543941LFB     | LFB  | 06/13/22 10:52 | WI220609-5 | .2002 |        | .2094 | mg/L  | 105  | 90     | 110   |     |       |      |
| L73627-04LFM    | LFM  | 06/13/22 11:06 | WI220609-5 | .2002 | U      | .2091 | mg/L  | 104  | 90     | 110   |     |       |      |
| L73627-05DUP    | DUP  | 06/13/22 11:08 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG544095</b> |      |               |            |        |        |       |       |      |        |       |     |       |      |
| WG544095ICV     | ICV  | 06/11/22 2:38 | II220609-1 | 2      |        | 1.977 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG544095ICB     | ICB  | 06/11/22 2:44 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG544021LRB     | LRB  | 06/11/22 2:57 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG544021LFB     | LFB  | 06/11/22 3:00 | II220602-7 | 1.0013 |        | 1.008 | mg/L  | 101  | 85     | 115   |     |       |      |
| L73633-01LFM    | LFM  | 06/11/22 3:43 | II220602-7 | 1.0013 | .078   | 1.072 | mg/L  | 99   | 70     | 130   |     |       |      |
| L73633-01LFMD   | LFMD | 06/11/22 3:46 | II220602-7 | 1.0013 | .078   | 1.085 | mg/L  | 101  | 70     | 130   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73633**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544726</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG544726ICV     | ICV  | 06/20/22 16:07 | MS220502-1  | .05   |        | .0524  | mg/L  | 105  | 90       | 110     |     |       |      |
| WG544726ICB     | ICB  | 06/20/22 16:09 |             |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG544726LFB     | LFB  | 06/20/22 16:11 | MS220601-10 | .0501 |        | .04916 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG544055PBW     | PBW  | 06/20/22 16:13 |             |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG544661PBW     | PBW  | 06/20/22 16:18 |             |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L73633-01AS     | AS   | 06/20/22 16:27 | MS220601-10 | .0501 | .00376 | .05536 | mg/L  | 103  | 70       | 130     |     |       |      |
| L73633-01ASD    | ASD  | 06/20/22 16:30 | MS220601-10 | .0501 | .00376 | .05492 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544078</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG544078ICV     | ICV  | 06/10/22 18:53 | MS220502-1  | .05   |        | .05274 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG544078ICB     | ICB  | 06/10/22 18:55 |             |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG543915LRB     | LRB  | 06/10/22 18:57 |             |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543915LFB     | LFB  | 06/10/22 18:59 | MS220601-10 | .0501 |        | .04972 | mg/L  | 99   | 85       | 115     |     |       |      |
| L73642-01LFM    | LFM  | 06/10/22 19:39 | MS220601-10 | .0501 | U      | .05041 | mg/L  | 101  | 70       | 130     |     |       |      |
| L73642-01LFMD   | LFMD | 06/10/22 19:41 | MS220601-10 | .0501 | U      | .05035 | mg/L  | 100  | 70       | 130     | 0   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544726</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG544726ICV     | ICV  | 06/20/22 16:07 | MS220502-1  | .05   |        | .05334 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG544726ICB     | ICB  | 06/20/22 16:09 |             |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG544726LFB     | LFB  | 06/20/22 16:11 | MS220601-10 | .0498 |        | .04963 | mg/L  | 100  | 85       | 115     |     |       |      |
| WG544055PBW     | PBW  | 06/20/22 16:13 |             |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG544661PBW     | PBW  | 06/20/22 16:18 |             |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L73633-01AS     | AS   | 06/20/22 16:27 | MS220601-10 | .0498 | .137   | .19049 | mg/L  | 107  | 70       | 130     |     |       |      |
| L73633-01ASD    | ASD  | 06/20/22 16:30 | MS220601-10 | .0498 | .137   | .18874 | mg/L  | 104  | 70       | 130     | 1   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543621</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG543621ICV1    | ICV  | 06/06/22 15:13 | HG220606-3 | .005005 |        | .0051  | mg/L  | 102  | 95       | 105     |     |       |      |
| WG543621ICB     | ICB  | 06/06/22 15:14 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG543661</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG543661LRB     | LRB  | 06/06/22 17:08 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543661LFB     | LFB  | 06/06/22 17:09 | HG220606-6 | .002002 |        | .00196 | mg/L  | 98   | 85       | 115     |     |       |      |
| L73633-01LFM    | LFM  | 06/06/22 17:34 | HG220606-6 | .002002 | U      | .00194 | mg/L  | 97   | 85       | 115     |     |       |      |
| L73633-01LFMD   | LFMD | 06/06/22 17:35 | HG220606-6 | .002002 | U      | .00193 | mg/L  | 96   | 85       | 115     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73633**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543717</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG543717LCSW1   | LCSW | 06/06/22 19:54 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543717LCSW7   | LCSW | 06/07/22 2:04  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543717LCSW10  | LCSW | 06/07/22 5:05  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L73677-01DUP    | DUP  | 06/07/22 8:09  |          |    | 8.3    | 8.1   | units |      |       |       | 2   | 20    |      |
| WG543717LCSW13  | LCSW | 06/07/22 8:14  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543773</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG543773PBW     | PBW  | 06/07/22 13:28 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG543773LCSW    | LCSW | 06/07/22 13:30 | PCN65846 | 100 |        | 80    | mg/L  | 80   | 80    | 120   |     |       |      |
| L73648-04DUP    | DUP  | 06/07/22 14:28 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544726</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG544726ICV     | ICV  | 06/20/22 16:07 | MS220502-1  | .02 |        | .02133 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG544726ICB     | ICB  | 06/20/22 16:09 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG544726LFB     | LFB  | 06/20/22 16:11 | MS220601-10 | .01 |        | .01033 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG544055PBW     | PBW  | 06/20/22 16:13 |             |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG544661PBW     | PBW  | 06/20/22 16:18 |             |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L73633-01AS     | AS   | 06/20/22 16:27 | MS220601-10 | .01 | U      | .00934 | mg/L  | 93   | 70       | 130     |     |       |      |
| L73633-01ASD    | ASD  | 06/20/22 16:30 | MS220601-10 | .01 | U      | .00937 | mg/L  | 94   | 70       | 130     | 0   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG544726</b> |      |                |             |         |        |       |       |      |         |        |     |       |      |
| WG544726ICV     | ICV  | 06/20/22 16:07 | MS220502-1  | .05     |        | .0505 | mg/L  | 101  | 90      | 110    |     |       |      |
| WG544726ICB     | ICB  | 06/20/22 16:09 |             |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG544726LFB     | LFB  | 06/20/22 16:11 | MS220601-10 | .050075 |        | .0514 | mg/L  | 103  | 85      | 115    |     |       |      |
| WG544055PBW     | PBW  | 06/20/22 16:13 |             |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG544661PBW     | PBW  | 06/20/22 16:18 |             |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L73633-01AS     | AS   | 06/20/22 16:27 | MS220601-10 | .050075 | .0648  | .1204 | mg/L  | 111  | 70      | 130    |     |       |      |
| L73633-01ASD    | ASD  | 06/20/22 16:30 | MS220601-10 | .050075 | .0648  | .1193 | mg/L  | 109  | 70      | 130    | 1   | 20    |      |

**Ouray Silver Mines**ACZ Project ID: **L73633**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L73633-01 | WG544187 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG543773 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|           |          |                                     |                                               |      |                                                                                                                                                                       |

**Ouray Silver Mines**

ACZ Project ID: **L73633**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L73633

Date Received: 06/02/2022 14:28

Received By:

Date Printed: 6/3/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp Criteria (°C) | Rad (µR/Hr) | Custody Seal Intact? |
|-----------|-----------|--------------------|-------------|----------------------|
| NA37695   | 11.7      | <=6.0              | 15          | N/A                  |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L73633

Date Received: 06/02/2022 14:28

Received By:

Date Printed: 6/3/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).





Laboratories, Inc. L73633

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Todd Jesse

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1

Ouray, CO 81427

Telephone: 7204697557

Copy of Report to:

Name: Poppy Staub

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Telephone: 9703259830

Invoice to:

Name: Jen Smith

Company: Ouray Silver Mines

E-mail: payable@ouraysilvermines.com

Address: PO Box 564

Ouray, CO 81427

Telephone: 9703259830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES



NO



If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for SDWA Compliance Monitoring?

Yes



No



If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse

Sampler's Site Information

State CO

Zip code 81427

Time Zone mnt

\*Sampler's Signature:

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:

PO# CDPS-BIMONTH-WW

Reporting state for compliance testing:

Check box if samples include NRC licensed material?



SAMPLE IDENTIFICATION

DATE:TIME

Matrix

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|        |        |    |   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|        |        |    |   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|        |        |    |   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|        |        |    |   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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|        |        |    |   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|        |        |    |   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |

July 15, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L74143

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 24, 2022. This project has been assigned to ACZ's project number, L74143. Please reference this number in all future inquiries.

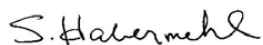
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L74143. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 14, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L74143-01**

Date Sampled: 06/21/22 09:44

Date Received: 06/24/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 06/25/22 15:45 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 07/01/22 13:45 | gkk     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 07/01/22 9:50  | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 07/05/22 16:44 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000188 | B    |    | mg/L  | 0.00005 | 0.00025 | 06/28/22 15:16 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/30/22 10:53 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 07/06/22 23:37 | keh     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00352  |      |    | mg/L  | 0.0001  | 0.0005  | 06/28/22 15:16 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00215  |      |    | mg/L  | 0.0001  | 0.0005  | 07/05/22 19:34 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.143    |      |    | mg/L  | 0.0004  | 0.002   | 06/28/22 15:16 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/29/22 12:07 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/28/22 15:16 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0985   |      |    | mg/L  | 0.006   | 0.015   | 06/28/22 15:16 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 07/02/22 14:48 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.9    | H    |    | units | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| pH measured at                             |                                                | 1        | 22.8   |      |    | C     | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 06/27/22 14:34 | pcj     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L74143-02**

Date Sampled: 06/23/22 09:29

Date Received: 06/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 07/02/22 11:23 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/30/22 9:07  | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    | *  | mg/L  | 0.05    | 0.25    | 07/12/22 18:05 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00158  | B    |    | mg/L  | 0.0004  | 0.002   | 07/01/22 20:26 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00253  |      |    | mg/L  | 0.0002  | 0.001   | 07/01/22 20:26 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0266   | B    |    | mg/L  | 0.009   | 0.035   | 07/12/22 18:05 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 07/05/22 18:16 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 07/12/22 18:05 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000490 |      |    | mg/L  | 0.00005 | 0.00025 | 07/01/22 20:26 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 38.4     |      |    | mg/L  | 0.1     | 0.5     | 07/12/22 18:05 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 07/01/22 20:26 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/01/22 20:26 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 07/12/22 18:05 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00046  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:26 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 1.76     |      |    | mg/L  | 0.2     | 1       | 07/14/22 17:25 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 0.480    |      |    | mg/L  | 0.01    | 0.05    | 07/12/22 18:05 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/29/22 11:25 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00538  |      |    | mg/L  | 0.0002  | 0.0005  | 07/01/22 20:26 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 07/12/22 18:05 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.44     | B    |    | mg/L  | 0.2     | 1       | 07/12/22 18:05 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00035  |      |    | mg/L  | 0.0001  | 0.00025 | 07/01/22 20:26 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.5      |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:05 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:26 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 4.39     |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:05 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:26 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00021  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:26 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    | *  | mg/L  | 0.01    | 0.025   | 07/12/22 18:05 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.156    |      |    | mg/L  | 0.02    | 0.05    | 07/12/22 18:05 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L74143-02**

Date Sampled: 06/23/22 09:29

Date Received: 06/24/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 51.5   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Total Alkalinity                          |                                       | 1        | 51.5   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 07/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.3    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.3    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.15   | B    | *  | mg/L     | 0.5   | 2    | 06/30/22 15:49 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 244    |      |    | umhos/cm | 1     | 10   | 07/06/22 3:04  | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 07/02/22 15:46 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.18   | B    | *  | mg/L     | 0.15  | 0.35 | 07/06/22 17:35 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 103    |      |    | mg/L     | 0.2   | 5    | 07/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.286  |      | *  | mg/L     | 0.02  | 0.1  | 07/09/22 22:50 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 8.0    | H    |    | units    | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| pH measured at                            |                                       | 1        | 22.8   |      |    | C        | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid           | 1        | 0.011  | B    |    | mg/L     | 0.01  | 0.05 | 07/05/22 10:54 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 154    |      |    | mg/L     | 20    | 40   | 06/28/22 16:50 | scd     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/28/22 15:21 | scd     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 57.5   |      | *  | mg/L     | 5     | 25   | 07/06/22 16:44 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 144    |      |    | mg/L     |       |      | 07/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.07   |      |    |          |       |      | 07/15/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L74143-03**

Date Sampled: 06/23/22 09:50

Date Received: 06/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 07/02/22 11:39 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/30/22 9:13  | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    | *  | mg/L  | 0.05    | 0.25    | 07/12/22 18:21 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00167  | B    |    | mg/L  | 0.0004  | 0.002   | 07/01/22 20:28 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00320  |      |    | mg/L  | 0.0002  | 0.001   | 07/01/22 20:28 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0272   | B    |    | mg/L  | 0.009   | 0.035   | 07/12/22 18:21 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 07/05/22 18:21 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 07/12/22 18:21 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000569 |      |    | mg/L  | 0.00005 | 0.00025 | 07/01/22 20:28 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 36.1     |      |    | mg/L  | 0.1     | 0.5     | 07/12/22 18:21 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 07/01/22 20:28 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/01/22 20:28 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 07/12/22 18:21 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00017  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:28 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 1.71     |      |    | mg/L  | 0.2     | 1       | 07/14/22 17:41 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 0.646    |      |    | mg/L  | 0.01    | 0.05    | 07/12/22 18:21 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/29/22 11:26 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00196  |      |    | mg/L  | 0.0002  | 0.0005  | 07/01/22 20:28 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 07/12/22 18:21 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.44     | B    |    | mg/L  | 0.2     | 1       | 07/12/22 18:21 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00029  |      |    | mg/L  | 0.0001  | 0.00025 | 07/01/22 20:28 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.0      |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:21 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:28 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 4.37     |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:21 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:28 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00021  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:28 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    | *  | mg/L  | 0.01    | 0.025   | 07/12/22 18:21 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.191    |      |    | mg/L  | 0.02    | 0.05    | 07/12/22 18:21 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L74143-03**

Date Sampled: 06/23/22 09:50

Date Received: 06/24/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 46.5   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Total Alkalinity                          |                                       | 1        | 46.5   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 07/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.2    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.2    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.25   | B    | *  | mg/L     | 0.5   | 2    | 06/30/22 15:50 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 235    |      |    | umhos/cm | 1     | 10   | 07/06/22 3:12  | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 07/02/22 15:42 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    | *  | mg/L     | 0.15  | 0.35 | 07/06/22 17:41 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 97     |      |    | mg/L     | 0.2   | 5    | 07/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.328  |      |    | mg/L     | 0.02  | 0.1  | 07/09/22 22:52 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.7    | H    |    | units    | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| pH measured at                            |                                       | 1        | 22.8   |      |    | C        | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid           | 1        | <0.01  | U    |    | mg/L     | 0.01  | 0.05 | 07/05/22 10:57 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 146    |      |    | mg/L     | 20    | 40   | 06/28/22 16:53 | scd     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/28/22 15:22 | scd     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 58.0   |      | *  | mg/L     | 5     | 25   | 07/06/22 16:44 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 139    |      |    | mg/L     |       |      | 07/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.05   |      |    |          |       |      | 07/15/22 0:00  | calc    |

### Ouray Silver Mines

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L74143-04**

Date Sampled: 06/23/22 10:18

Date Received: 06/24/22

Sample Matrix: Groundwater

#### Inorganic Prep

| Parameter         | EPA Method                            | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|---------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation          |          |        |      |    |       |     |     | 07/02/22 11:55 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic Acid Digestion |          |        |      |    |       |     |     | 06/30/22 9:19  | wgm     |

#### Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    | *  | mg/L  | 0.05    | 0.25    | 07/12/22 18:24 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00759  |      |    | mg/L  | 0.0004  | 0.002   | 07/01/22 20:29 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00441  |      |    | mg/L  | 0.0002  | 0.001   | 07/01/22 20:29 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0263   | B    |    | mg/L  | 0.009   | 0.035   | 07/12/22 18:24 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 07/05/22 18:23 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 07/12/22 18:24 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.00325  |      |    | mg/L  | 0.00005 | 0.00025 | 07/01/22 20:29 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 50.1     |      |    | mg/L  | 0.1     | 0.5     | 07/12/22 18:24 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 07/01/22 20:29 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/01/22 20:29 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 07/12/22 18:24 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00166  |      |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:29 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 3.80     |      |    | mg/L  | 0.2     | 1       | 07/14/22 17:44 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 4.10     |      |    | mg/L  | 0.01    | 0.05    | 07/12/22 18:24 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/29/22 11:29 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00551  |      |    | mg/L  | 0.0002  | 0.0005  | 07/01/22 20:29 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 07/12/22 18:24 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.75     | B    |    | mg/L  | 0.2     | 1       | 07/12/22 18:24 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00042  |      |    | mg/L  | 0.0001  | 0.00025 | 07/01/22 20:29 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.5      |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:24 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:29 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 8.58     |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:24 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:29 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00043  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:29 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    | *  | mg/L  | 0.01    | 0.025   | 07/12/22 18:24 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 1.03     |      |    | mg/L  | 0.02    | 0.05    | 07/12/22 18:24 | keh1    |



**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L74143-04**

Date Sampled: 06/23/22 10:18

Date Received: 06/24/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 56.1   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Total Alkalinity                          |                                       | 1        | 56.1   |      | *  | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 07/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 3.5    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 3.5    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.47   | B    | *  | mg/L     | 0.5   | 2    | 06/30/22 15:50 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 356    |      |    | umhos/cm | 1     | 10   | 07/06/22 3:58  | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 07/02/22 15:43 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.27   | B    | *  | mg/L     | 0.15  | 0.35 | 07/06/22 17:47 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 141    |      |    | mg/L     | 0.2   | 5    | 07/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.661  |      |    | mg/L     | 0.02  | 0.1  | 07/09/22 22:55 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.5    | H    |    | units    | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| pH measured at                            |                                       | 1        | 22.7   |      |    | C        | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid           | 1        | <0.01  | U    |    | mg/L     | 0.01  | 0.05 | 07/05/22 10:58 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 236    |      |    | mg/L     | 20    | 40   | 06/28/22 16:56 | scd     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/28/22 15:24 | scd     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 108    |      | *  | mg/L     | 5     | 25   | 07/06/22 16:45 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 221    |      |    | mg/L     |       |      | 07/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.07   |      |    |          |       |      | 07/15/22 0:00  | calc    |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545624</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG545624PBW1    | PBW  | 07/05/22 20:43 |            |          |        | 2.3   | mg/L  |      | -20   | 20    |     |       |      |
| WG545624LCSW3   | LCSW | 07/05/22 21:02 | WC220701-2 | 820.0001 |        | 777.9 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG545624LCSW6   | LCSW | 07/06/22 0:30  | WC220701-2 | 820.0001 |        | 779.2 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG545624PBW2    | PBW  | 07/06/22 0:41  |            |          |        | 4.1   | mg/L  |      | -20   | 20    |     |       |      |
| L74143-03DUP    | DUP  | 07/06/22 3:20  |            |          | 46.5   | 46.6  | mg/L  |      |       |       | 0   | 20    |      |
| WG545624LCSW9   | LCSW | 07/06/22 3:40  | WC220701-2 | 820.0001 |        | 780.6 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG545624PBW3    | PBW  | 07/06/22 3:50  |            |          |        | 4.4   | mg/L  |      | -20   | 20    |     |       |      |
| L74145-04DUP    | DUP  | 07/06/22 5:07  |            |          | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| WG545624LCSW12  | LCSW | 07/06/22 6:20  | WC220701-2 | 820.0001 |        | 773.8 | mg/L  | 94   | 90    | 110   |     |       |      |
| WG545624PBW4    | PBW  | 07/06/22 6:31  |            |          |        | 4.7   | mg/L  |      | -20   | 20    |     |       |      |
| WG545624LCSW15  | LCSW | 07/06/22 10:58 | WC220701-2 | 820.0001 |        | 783.2 | mg/L  | 96   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2      |        | 1.944 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 1.0008 |        | .99   | mg/L  | 99   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 1.0008 | U      | 1.159 | mg/L  | 116  | 85    | 115   |     |       | MA   |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 1.0008 | U      | 1.011 | mg/L  | 101  | 85    | 115   | 14  | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .0201 |        | .01891 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .01   |        | .01011 | mg/L  | 101  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .01   | .00759 | .01689 | mg/L  | 93   | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .01   | .00759 | .01691 | mg/L  | 93   | 70       | 130     | 0   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05    |        | .05181 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05005 |        | .05271 | mg/L  | 105  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05005 | .00441 | .05846 | mg/L  | 108  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05005 | .00441 | .05748 | mg/L  | 106  | 70       | 130     | 2   | 20    |      |

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |      |        |        |       |      |        |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2    |        | 1.9812 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |      |        | U      | mg/L  |      | -0.027 | 0.027 |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .502 |        | .5004  | mg/L  | 100  | 85     | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .502 | .0266  | .5335  | mg/L  | 101  | 85     | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .502 | .0266  | .5126  | mg/L  | 97   | 85     | 115   | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG545723</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG545723ICV     | ICV  | 07/05/22 17:37 | MS220701-3 | .05    |        | .050511 | mg/L  | 101  | 90        | 110      |     |       |      |
| WG545723ICB     | ICB  | 07/05/22 17:39 |            |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG545723LFB     | LFB  | 07/05/22 17:40 | MS220627-2 | .05005 |        | .050247 | mg/L  | 100  | 85        | 115      |     |       |      |
| L74178-01AS     | AS   | 07/05/22 18:29 | MS220627-2 | .05005 | U      | .049839 | mg/L  | 100  | 70        | 130      |     |       |      |
| L74178-01ASD    | ASD  | 07/05/22 18:30 | MS220627-2 | .05005 | U      | .05225  | mg/L  | 104  | 70        | 130      | 5   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2     |        | 2.028 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .5005 |        | .522  | mg/L  | 104  | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .5005 | U      | .544  | mg/L  | 109  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .5005 | U      | .529  | mg/L  | 106  | 85    | 115   | 3   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05    |        | .050983 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05005 |        | .0523   | mg/L  | 104  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05005 | .00325 | .054134 | mg/L  | 102  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05005 | .00325 | .053673 | mg/L  | 101  | 70       | 130     | 1   | 20    |      |

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG545337</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .05    |         | .05475  | mg/L  | 110  | 90       | 110     |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .05005 |         | .049692 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .05005 | .000188 | .053093 | mg/L  | 106  | 70       | 130     |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .05005 | .000188 | .050483 | mg/L  | 100  | 70       | 130     | 5   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 100      |        | 98.07 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 67.98862 |        | 67.49 | mg/L  | 99   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 67.98862 | 38.4   | 114.8 | mg/L  | 112  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 67.98862 | 38.4   | 104.1 | mg/L  | 97   | 85    | 115   | 10  | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545529</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG545529ICV     | ICV  | 06/30/22 15:28 | WI220502-12 | 54.945 |        | 55.98 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG545529ICB     | ICB  | 06/30/22 15:28 |             |        |        | .85   | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG545529LFB1    | LFB  | 06/30/22 15:29 | WI220328-1  | 29.97  |        | 29.74 | mg/L  | 99   | 90    | 110   |     |       |      |
| L74143-02AS     | AS   | 06/30/22 15:49 | WI220328-1  | 29.97  | 1.15   | 30.28 | mg/L  | 97   | 90    | 110   |     |       |      |
| L74143-03DUP    | DUP  | 06/30/22 15:50 |             |        | 1.25   | 1.03  | mg/L  |      |       |       | 19  | 20    | RA   |
| WG545529LFB2    | LFB  | 06/30/22 16:12 | WI220328-1  | 29.97  |        | 31.44 | mg/L  | 105  | 90    | 110   |     |       | B7   |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG545606</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05   |        | .0515  | mg/L  | 103  | 90      | 110    |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .0501 |        | .05217 | mg/L  | 104  | 85      | 115    |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .0501 | U      | .05144 | mg/L  | 103  | 70      | 130    |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .0501 | U      | .05078 | mg/L  | 101  | 70      | 130    | 1   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG545624</b> |      |                |          |      |        |       |          |      |       |       |     |       |      |
| WG545624LCSW2   | LCSW | 07/05/22 20:49 | PCN65647 | 1409 |        | 1390  | umhos/cm | 99   | 90    | 110   |     |       |      |
| WG545624LCSW5   | LCSW | 07/06/22 0:16  | PCN65647 | 1409 |        | 1385  | umhos/cm | 98   | 90    | 110   |     |       |      |
| L74143-03DUP    | DUP  | 07/06/22 3:20  |          |      | 235    | 236   | umhos/cm |      |       |       | 0   | 20    |      |
| WG545624LCSW8   | LCSW | 07/06/22 3:25  | PCN65647 | 1409 |        | 1380  | umhos/cm | 98   | 90    | 110   |     |       |      |
| L74145-04DUP    | DUP  | 07/06/22 5:07  |          |      | 2330   | 2340  | umhos/cm |      |       |       | 0   | 20    |      |
| WG545624LCSW11  | LCSW | 07/06/22 6:06  | PCN65647 | 1409 |        | 1380  | umhos/cm | 98   | 90    | 110   |     |       |      |
| WG545624LCSW14  | LCSW | 07/06/22 10:44 | PCN65647 | 1409 |        | 1364  | umhos/cm | 97   | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05 |        | .05447 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05 |        | .05327 | mg/L  | 107  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05 | U      | .05125 | mg/L  | 103  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05 | U      | .05077 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545479</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545479ICV     | ICV  | 06/30/22 10:00 | MS220502-1 | .05 |        | .05173 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG545479ICB     | ICB  | 06/30/22 10:02 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG545479LFB     | LFB  | 06/30/22 10:03 | MS220627-2 | .05 |        | .04582 | mg/L  | 92   | 85       | 115     |     |       |      |
| WG545114PBW     | PBW  | 06/30/22 10:05 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG545171PBW     | PBW  | 06/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L74075-05AS     | AS   | 06/30/22 10:36 | MS220627-2 | .05 | U      | .03812 | mg/L  | 76   | 70       | 130     |     |       |      |
| L74075-05ASD    | ASD  | 06/30/22 10:37 | MS220627-2 | .05 | U      | .03604 | mg/L  | 72   | 70       | 130     | 6   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG545638</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG545638ICV     | ICV  | 07/02/22 15:17 | WI220623-6 | .3003 |        | .2828 | mg/L  | 94   | 90     | 110   |     |       |      |
| WG545638ICB     | ICB  | 07/02/22 15:18 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG545635LRB     | LRB  | 07/02/22 15:19 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG545635LFB     | LFB  | 07/02/22 15:20 | WI220629-3 | .2    |        | .2185 | mg/L  | 109  | 90     | 110   |     |       |      |
| L74143-03LFM    | LFM  | 07/02/22 15:43 | WI220629-3 | .2    | U      | .1354 | mg/L  | 68   | 90     | 110   |     |       | M2   |
| L74143-02DUP    | DUP  | 07/02/22 15:46 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG545636</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG545636ICV     | ICV  | 07/02/22 12:41 | WI220623-6 | .3003 |        | .2805 | mg/L  | 93   | 90     | 110   |     |       |      |
| WG545636ICB     | ICB  | 07/02/22 12:42 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG545637</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG545550LRB     | LRB  | 07/02/22 13:37 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG545550LFB     | LFB  | 07/02/22 13:38 | WI220630-2 | .2002 |        | .2444 | mg/L  | 122  | 90     | 110   |     |       | LA   |
| WG545637ICV     | ICV  | 07/02/22 14:41 | WI220623-6 | .3003 |        | .2829 | mg/L  | 94   | 90     | 110   |     |       |      |
| WG545637ICB     | ICB  | 07/02/22 14:42 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| L74109-01DUP    | DUP  | 07/02/22 14:44 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L74109-02LFM    | LFM  | 07/02/22 14:45 | WI220630-2 | .2002 | U      | .2436 | mg/L  | 122  | 90     | 110   |     |       | M1   |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545810</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG545810ICV     | ICV  | 07/06/22 12:59 | WC220627-1 | 2.008 |        | 2.01  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG545810ICB     | ICB  | 07/06/22 13:07 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG545810LFB1    | LFB  | 07/06/22 13:15 | WC220606-1 | 5.02  |        | 5.07  | mg/L  | 101  | 90    | 110   |     |       |      |
| L74055-02AS     | AS   | 07/06/22 16:59 | WC220606-1 | 5.02  | .74    | 4.79  | mg/L  | 81   | 90    | 110   |     |       | M2   |
| L74055-02ASD    | ASD  | 07/06/22 17:07 | WC220606-1 | 5.02  | .74    | 4.93  | mg/L  | 83   | 90    | 110   | 3   | 20    | M2   |
| WG545810LFB3    | LFB  | 07/06/22 17:28 | WC220606-1 | 5.02  |        | 4.72  | mg/L  | 94   | 90    | 110   |     |       |      |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2      |        | 2.007 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 1.0013 |        | 1.019 | mg/L  | 102  | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 1.0013 | U      | 1.044 | mg/L  | 104  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 1.0013 | U      | 1.008 | mg/L  | 101  | 85    | 115   | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG545845</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG545845ICV     | ICV  | 07/06/22 21:43 | II220624-2 | 2      |        | 2     | mg/L  | 100  | 95     | 105   |     |       |      |
| WG545845ICB     | ICB  | 07/06/22 21:49 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG545668LRB     | LRB  | 07/06/22 22:05 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG545668LFB     | LFB  | 07/06/22 22:08 | II220628-3 | 1.0013 |        | 1.014 | mg/L  | 101  | 85     | 115   |     |       |      |
| L74140-09LFM    | LFM  | 07/06/22 23:25 | II220628-3 | 1.0013 | 1.28   | 2.328 | mg/L  | 105  | 70     | 130   |     |       |      |
| L74140-09LFMD   | LFMD | 07/06/22 23:28 | II220628-3 | 1.0013 | 1.28   | 2.245 | mg/L  | 96   | 70     | 130   | 4   | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05   |        | .05118 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .0501 |        | .05214 | mg/L  | 104  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .0501 | .00166 | .05254 | mg/L  | 102  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .0501 | .00166 | .05233 | mg/L  | 101  | 70       | 130     | 0   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545337</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .05   |        | .05519 | mg/L  | 110  | 90       | 110     |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .0501 |        | .04835 | mg/L  | 97   | 85       | 115     |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .0501 | .00352 | .0538  | mg/L  | 100  | 70       | 130     |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .0501 | .00352 | .0515  | mg/L  | 96   | 70       | 130     | 4   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545728</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545728ICV     | ICV  | 07/05/22 18:58 | MS220701-3 | .05   |        | .05122 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG545728ICB     | ICB  | 07/05/22 19:00 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG545564LRB     | LRB  | 07/05/22 19:02 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545564LFB     | LFB  | 07/05/22 19:03 | MS220627-2 | .0501 |        | .04875 | mg/L  | 97   | 85       | 115     |     |       |      |
| L74148-02LFM    | LFM  | 07/05/22 19:43 | MS220627-2 | .0501 | .00011 | .04907 | mg/L  | 98   | 70       | 130     |     |       |      |
| L74148-02LFMD   | LFMD | 07/05/22 19:45 | MS220627-2 | .0501 | .00011 | .04923 | mg/L  | 98   | 70       | 130     | 0   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546353</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546353ICV     | ICV  | 07/14/22 15:59 | II220624-2 | 100      |        | 95.05 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG546353ICB     | ICB  | 07/14/22 16:05 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546353LFB     | LFB  | 07/14/22 16:18 | II220628-3 | 49.99809 |        | 47.39 | mg/L  | 95   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/14/22 17:35 | II220628-3 | 49.99809 | 1.76   | 55.39 | mg/L  | 107  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/14/22 17:38 | II220628-3 | 49.99809 | 1.76   | 49.87 | mg/L  | 96   | 85    | 115   | 10  | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2    |        | 1.947 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .499 |        | .496  | mg/L  | 99   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .499 | .48    | .962  | mg/L  | 97   | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .499 | .48    | .934  | mg/L  | 91   | 85    | 115   | 3   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545337</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .05   |        | .05515 | mg/L  | 110  | 90       | 110     |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .0498 |        | .05004 | mg/L  | 100  | 85       | 115     |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .0498 | .143   | .19389 | mg/L  | 102  | 70       | 130     |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .0498 | .143   | .19149 | mg/L  | 97   | 70       | 130     | 1   | 20    |      |

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545292</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG545292ICV     | ICV  | 06/29/22 10:52 | HG220620-3 | .005005 |        | .00495 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG545292ICB     | ICB  | 06/29/22 10:53 |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG545293</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG545293LRB     | LRB  | 06/29/22 11:07 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545293LFB     | LFB  | 06/29/22 11:08 | HG220620-6 | .002002 |        | .0019  | mg/L  | 95   | 85       | 115     |     |       |      |
| L74112-03LFM    | LFM  | 06/29/22 11:23 | HG220620-6 | .002002 | U      | .00189 | mg/L  | 94   | 85       | 115     |     |       |      |
| L74112-03LFMD   | LFMD | 06/29/22 11:24 | HG220620-6 | .002002 | U      | .00185 | mg/L  | 92   | 85       | 115     | 2   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545292</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG545292ICV     | ICV  | 06/29/22 10:52 | HG220620-3 | .005005 |        | .00495 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG545292ICB     | ICB  | 06/29/22 10:53 |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG545305</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG545305LRB     | LRB  | 06/29/22 11:41 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545305LFB     | LFB  | 06/29/22 11:42 | HG220620-6 | .002002 |        | .00193 | mg/L  | 96   | 85       | 115     |     |       |      |
| L74055-03LFM    | LFM  | 06/29/22 11:57 | HG220620-6 | .002002 | U      | .00193 | mg/L  | 96   | 85       | 115     |     |       |      |
| L74055-03LFMD   | LFMD | 06/29/22 11:58 | HG220620-6 | .002002 | U      | .00191 | mg/L  | 95   | 85       | 115     | 1   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .02    |        | .01977 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05005 |        | .05234 | mg/L  | 105  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05005 | .00551 | .05625 | mg/L  | 101  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05005 | .00551 | .05572 | mg/L  | 100  | 70       | 130     | 1   | 20    |      |



**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |      |        |       |       |      |        |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2    |        | 1.956 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |      |        | U     | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .502 |        | .5139 | mg/L  | 102  | 85     | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .502 | U      | .5133 | mg/L  | 102  | 85     | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .502 | U      | .499  | mg/L  | 99   | 85     | 115   | 3   | 20    |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546094</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546094ICV     | ICV  | 07/09/22 20:59 | WI220602-3 | 2.4161 |        | 2.381 | mg/L  | 99   | 90    | 110   |     |       |      |
| WG546094ICB     | ICB  | 07/09/22 21:01 |            |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG546095</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546095LFB1    | LFB  | 07/09/22 22:11 | WI220630-7 | 2      |        | 1.991 | mg/L  | 100  | 90    | 110   |     |       |      |
| L73971-03AS     | AS   | 07/09/22 22:33 | WI220630-7 | 2      | U      | 2.074 | mg/L  | 104  | 90    | 110   |     |       |      |
| L73971-04DUP    | DUP  | 07/09/22 22:35 |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| WG546095LFB2    | LFB  | 07/09/22 22:51 | WI220630-7 | 2      |        | 2.004 | mg/L  | 100  | 90    | 110   |     |       |      |
| L74143-03AS     | AS   | 07/09/22 22:54 | WI220630-7 | 2      | .328   | 2.367 | mg/L  | 102  | 90    | 110   |     |       |      |
| L74143-04DUP    | DUP  | 07/09/22 23:01 |            |        | .661   | .659  | mg/L  |      |       |       | 0   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545624</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG545624LCSW1   | LCSW | 07/05/22 20:47 | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG545624LCSW4   | LCSW | 07/06/22 0:14  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L74143-03DUP    | DUP  | 07/06/22 3:20  |          |    | 7.7    | 7.7   | units |      |       |       | 0   | 20    |      |
| WG545624LCSW7   | LCSW | 07/06/22 3:24  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L74145-04DUP    | DUP  | 07/06/22 5:07  |          |    | 4      | 4     | units |      |       |       | 0   | 20    |      |
| WG545624LCSW10  | LCSW | 07/06/22 6:04  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG545624LCSW13  | LCSW | 07/06/22 10:43 | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545622</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG545622ICV     | ICV  | 07/05/22 9:36  | WI220624-5 | .65228 |        | .666  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG545622ICB     | ICB  | 07/05/22 9:38  |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| <b>WG545674</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG545475LRB     | LRB  | 07/05/22 10:44 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG545475LFB     | LFB  | 07/05/22 10:45 | WI220622-7 | .5     |        | .509  | mg/L  | 102  | 90    | 110   |     |       |      |
| L73974-03LFM    | LFM  | 07/05/22 10:48 | WI220622-7 | .5     | .027   | .521  | mg/L  | 99   | 90    | 110   |     |       |      |
| L73974-04DUP    | DUP  | 07/05/22 11:13 |            |        | .817   | .841  | mg/L  |      |       |       | 3   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 20       |        | 19.47 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 99.95798 |        | 95.37 | mg/L  | 95   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 99.95798 | .44    | 110.8 | mg/L  | 110  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 99.95798 | .44    | 96.67 | mg/L  | 96   | 85    | 115   | 14  | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545346</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG545346PBW     | PBW  | 06/28/22 16:30 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG545346LCSW    | LCSW | 06/28/22 16:32 | PCN65053 | 1000 |        | 994   | mg/L  | 99   | 80    | 120   |     |       |      |
| L74146-01DUP    | DUP  | 06/28/22 17:01 |          |      | 4280   | 4292  | mg/L  |      |       |       | 0   | 10    |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545231</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG545231PBW     | PBW  | 06/27/22 13:50 |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG545231LCSW    | LCSW | 06/27/22 13:52 | PCN65053 | 100 |        | 95    | mg/L  | 95   | 80    | 120   |     |       |      |
| L74150-05DUP    | DUP  | 06/27/22 14:50 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |
| <b>WG545342</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG545342PBW     | PBW  | 06/28/22 15:15 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG545342LCSW    | LCSW | 06/28/22 15:16 | PCN65053 | 100 |        | 95    | mg/L  | 95   | 80    | 120   |     |       |      |
| L74145-01DUP    | DUP  | 06/28/22 15:33 |          |     | 13     | 9     | mg/L  |      |       |       | 36  | 10    | RA   |

**Selenium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05 |        | .04705 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | .0001  | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05 |        | .04897 | mg/L  | 98   | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05 | .00042 | .05024 | mg/L  | 100  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05 | .00042 | .04996 | mg/L  | 99   | 70       | 130     | 1   | 20    |      |

**Silica, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 42.8   |        | 43.18 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 21.404 |        | 22.18 | mg/L  | 104  | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 21.404 | 6.5    | 29.74 | mg/L  | 109  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 21.404 | 6.5    | 28.64 | mg/L  | 103  | 85    | 115   | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .02 |        | .02009 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .01 |        | .01005 | mg/L  | 101  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .01 | U      | .00981 | mg/L  | 98   | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .01 | U      | .00983 | mg/L  | 98   | 70       | 130     | 0   | 20    |      |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545337</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .02 |        | .02166 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .01 |        | .00984 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .01 | U      | .00954 | mg/L  | 95   | 70       | 130     |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .01 | U      | .00954 | mg/L  | 95   | 70       | 130     | 0   | 20    |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 100      |        | 98.1  | mg/L  | 98   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 100.0023 |        | 96.64 | mg/L  | 97   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 100.0023 | 4.39   | 115.7 | mg/L  | 111  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 100.0023 | 4.39   | 101.4 | mg/L  | 97   | 85    | 115   | 13  | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG545661</b> |      |                |            |       |        |        |       |      |       |       |     |       |      |
| WG545661ICB     | ICB  | 07/06/22 13:36 |            |       |        | U      | mg/L  |      | -3    | 3     |     |       |      |
| WG545661ICV     | ICV  | 07/06/22 13:36 | WI220705-4 | 19.54 |        | 19.8   | mg/L  | 101  | 90    | 110   |     |       |      |
| WG545661LFB1    | LFB  | 07/06/22 15:42 | WI220415-3 | 9.95  |        | 9.2    | mg/L  | 92   | 90    | 110   |     |       |      |
| WG545661LFB2    | LFB  | 07/06/22 16:38 | WI220415-3 | 9.95  |        | 9.3    | mg/L  | 93   | 90    | 110   |     |       |      |
| L74142-03DUP    | DUP  | 07/06/22 16:44 |            |       | 1880   | 1898.4 | mg/L  |      |       |       | 1   | 20    |      |
| L74142-04AS     | AS   | 07/06/22 16:44 | SO4TURB25X | 50    | 3270   | 3269.5 | mg/L  | -1   | 90    | 110   |     |       | M3   |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05 |        | .0521  | mg/L  | 104  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05 |        | .05215 | mg/L  | 104  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05 | U      | .05144 | mg/L  | 103  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05 | U      | .05112 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05 |        | .05152 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05 |        | .05197 | mg/L  | 104  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05 | .00043 | .05269 | mg/L  | 105  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05 | .00043 | .05221 | mg/L  | 104  | 70       | 130     | 1   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2     |        | 2.016 | mg/L  | 101  | 95     | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .5005 |        | .5034 | mg/L  | 101  | 85     | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .5005 | U      | .5857 | mg/L  | 117  | 85     | 115   |     |       | MA   |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .5005 | U      | .515  | mg/L  | 103  | 85     | 115   | 13  | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2      |        | 1.917 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .50045 |        | .506  | mg/L  | 101  | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .50045 | .156   | .727  | mg/L  | 114  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .50045 | .156   | .651  | mg/L  | 99   | 85    | 115   | 11  | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG545337</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .05     |        | .0542 | mg/L  | 108  | 90      | 110    |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .050075 |        | .0519 | mg/L  | 104  | 85      | 115    |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .050075 | .0985  | .1508 | mg/L  | 104  | 70      | 130    |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .050075 | .0985  | .1474 | mg/L  | 98   | 70      | 130    | 2   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L74143**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L74143-01</b> | WG545637 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/ distillation | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [ $< MDL$ ].                                           |
|                  |          |                                     | SM4500-CN I,E-Colorimetric w/ distillation | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  |          |                                     | SM4500-CN I,E-Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545231 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
| <b>L74143-02</b> | WG546147 | Aluminum, dissolved                 | M200.7 ICP                                 | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG545529 | Chloride                            | SM4500CI-E                                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545638 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  |          |                                     | M335.4 - Colorimetric w/ distillation      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545810 | Fluoride                            | SM4500F-C                                  | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG546095 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545342 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG545661 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG546147 | Vanadium, dissolved                 | M200.7 ICP                                 | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
| <b>L74143-03</b> | WG546147 | Aluminum, dissolved                 | M200.7 ICP                                 | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG545529 | Chloride                            | SM4500CI-E                                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545638 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  |          |                                     | M335.4 - Colorimetric w/ distillation      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545810 | Fluoride                            | SM4500F-C                                  | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG545342 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG545661 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG546147 | Vanadium, dissolved                 | M200.7 ICP                                 | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L74143**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L74143-04</b> | WG546147 | Aluminum, dissolved                 | M200.7 ICP                            | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG545529 | Chloride                            | SM4500CI-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG545638 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  |          |                                     | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG545810 | Fluoride                            | SM4500F-C                             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG545342 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG545661 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG545624 | Total Alkalinity                    | SM2320B - Titration                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG546147 | Vanadium, dissolved                 | M200.7 ICP                            | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L74143**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L74143

Date Received: 06/24/2022 12:25

Received By:

Date Printed: 6/27/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 3679      | 3.8       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.



Ouray Silver Mines

ACZ Project ID: L74143

Date Received: 06/24/2022 12:25

Received By:

Date Printed: 6/27/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

**Laboratories, Inc.**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

**CHAIN of CUSTODY****Report to:**

Name: Todd Jesse

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1

Ouray, CO 81427

Telephone: 720-469-7557

**Copy of Report to:**

Name: Poppy Staub

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Telephone: 970-325-9830

**Invoice to:**

Name: Don Cordson

Company: Ouray Silver Mines

E-mail: payable@ouraysilvermines.com

Address: PO Box 564

Ouray, CO 81427

Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES



NO



If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

**Are samples for SDWA Compliance Monitoring?**

Yes



No



If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse

Sampler's Site Information

State CO

Zip code 81427

Time Zone mnt

\*Sampler's Signature:

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

**PROJECT INFORMATION**

ANALYSES REQUESTED (attach list or use quote number)

Quote #: GW &amp; CDPS-BIMONTH-VW

PO#:

Reporting state for compliance testing:

Check box if samples include NRC licensed material?



| SAMPLE IDENTIFICATION | DATE:TIME       | Matrix | # of Containers | ANALYSES REQUESTED                  |                                     |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|-----------------|--------|-----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                       |                 |        |                 | GW                                  | CDPS-BIMONTH-VW                     |                          |                          |                          |                          |                          |                          |                          |                          |
| OF002A                | 6/21/22 : 09:44 | VW     | 4               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| UG-5                  | 6/23/22 : 09:29 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| UG-2                  | 6/23/22 : 09:50 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| UG-8                  | 6/23/22 : 10:18 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · VW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

**REMARKS**

Please refer to ACZ's terms &amp; conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

6/23/22 15:30

6/24/22



July 28, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L74381

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 07, 2022. This project has been assigned to ACZ's project number, L74381. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L74381. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 27, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L74381-01**

Date Sampled: 07/06/22 09:54

Date Received: 07/07/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 07/09/22 10:51 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 07/25/22 16:55 | mrd     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 07/13/22 9:56  | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 07/13/22 16:00 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000251 |      |    | mg/L  | 0.00005 | 0.00025 | 07/13/22 13:52 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/13/22 13:52 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 07/20/22 2:43  | keh1    |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00131  |      |    | mg/L  | 0.0001  | 0.0005  | 07/13/22 13:52 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00146  |      |    | mg/L  | 0.0001  | 0.0005  | 07/15/22 9:47  | kja     |
| Manganese, potentially<br>dissolved | M200.8 ICP-MS | 1        | 0.231    |      |    | mg/L  | 0.0004  | 0.002   | 07/13/22 13:52 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 07/18/22 16:33 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/13/22 13:52 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.107    |      |    | mg/L  | 0.006   | 0.015   | 07/13/22 13:52 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L  | 0.003 | 0.01 | 07/26/22 16:00 | gkk     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.6    | H    |    | units | 0.1   | 0.1  | 07/09/22 0:00  | eep     |
| pH measured at                             |                                                | 1        | 22.7   |      |    | C     | 0.1   | 0.1  | 07/09/22 0:00  | eep     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 07/13/22 15:24 | pcj     |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L74381**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG546371</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG546371ICV     | ICV  | 07/13/22 12:55 | MS220701-3 | .05    |        | .052248 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG546371ICB     | ICB  | 07/13/22 12:57 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG546371LFB     | LFB  | 07/13/22 13:01 | MS220627-2 | .05005 |        | .048005 | mg/L  | 96   | 85       | 115     |     |       |      |
| WG546091PBW     | PBW  | 07/13/22 13:03 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L74355-01AS     | AS   | 07/13/22 13:39 | MS220627-2 | .05005 | U      | .051143 | mg/L  | 102  | 70       | 130     |     |       |      |
| L74355-01ASD    | ASD  | 07/13/22 13:40 | MS220627-2 | .05005 | U      | .051027 | mg/L  | 102  | 70       | 130     | 0   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG546371</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG546371ICV     | ICV  | 07/13/22 12:55 | MS220701-3 | .05 |        | .05281 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG546371ICB     | ICB  | 07/13/22 12:57 |            |     |        | .00174 | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG546371LFB     | LFB  | 07/13/22 13:01 | MS220627-2 | .05 |        | .04679 | mg/L  | 94   | 85       | 115     |     |       |      |
| WG546091PBW     | PBW  | 07/13/22 13:03 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L74355-01AS     | AS   | 07/13/22 13:39 | MS220627-2 | .05 | .0105  | .05738 | mg/L  | 94   | 70       | 130     |     |       |      |
| L74355-01ASD    | ASD  | 07/13/22 13:40 | MS220627-2 | .05 | .0105  | .05681 | mg/L  | 93   | 70       | 130     | 1   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG547233</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG547233ICV     | ICV  | 07/26/22 15:57 | WI220720-7 | .3003 |        | .2902 | mg/L  | 97   | 90     | 110   |     |       |      |
| WG547233ICB     | ICB  | 07/26/22 15:58 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG547127LRB     | LRB  | 07/26/22 15:58 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG547127LFB     | LFB  | 07/26/22 15:59 | WI220720-5 | .2002 |        | .1878 | mg/L  | 94   | 90     | 110   |     |       |      |
| L74445-01DUP    | DUP  | 07/26/22 16:10 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L74445-02LFM    | LFM  | 07/26/22 16:12 | WI220720-5 | .2002 | U      | .1933 | mg/L  | 97   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG546777</b> |      |               |            |        |        |       |       |      |        |       |     |       |      |
| WG546777ICV     | ICV  | 07/20/22 0:52 | II220719-1 | 2      |        | 1.983 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG546777ICB     | ICB  | 07/20/22 0:58 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG546329LRB     | LRB  | 07/20/22 1:11 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG546329LFB     | LFB  | 07/20/22 1:14 | II220628-3 | 1.0013 |        | 1.033 | mg/L  | 103  | 85     | 115   |     |       |      |
| L74340-05LFM    | LFM  | 07/20/22 2:12 | II220628-3 | 1.0013 | 1.26   | 2.243 | mg/L  | 98   | 70     | 130   |     |       |      |
| L74340-05LFMD   | LFMD | 07/20/22 2:15 | II220628-3 | 1.0013 | 1.26   | 2.252 | mg/L  | 99   | 70     | 130   | 0   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG546371</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG546371ICV     | ICV  | 07/13/22 12:55 | MS220701-3 | .05   |        | .05249 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG546371ICB     | ICB  | 07/13/22 12:57 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG546371LFB     | LFB  | 07/13/22 13:01 | MS220627-2 | .0501 |        | .04768 | mg/L  | 95   | 85       | 115     |     |       |      |
| WG546091PBW     | PBW  | 07/13/22 13:03 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L74355-01AS     | AS   | 07/13/22 13:39 | MS220627-2 | .0501 | .00015 | .05046 | mg/L  | 100  | 70       | 130     |     |       |      |
| L74355-01ASD    | ASD  | 07/13/22 13:40 | MS220627-2 | .0501 | .00015 | .04974 | mg/L  | 99   | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74381**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG546526</b> |      |               |            |       |        |        |       |      |          |         |     |       |      |
| WG546526ICV     | ICV  | 07/15/22 9:39 | MS220701-3 | .05   |        | .05208 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG546526ICB     | ICB  | 07/15/22 9:41 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG546324LRB     | LRB  | 07/15/22 9:43 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG546324LFB     | LFB  | 07/15/22 9:45 | MS220627-2 | .0501 |        | .04962 | mg/L  | 99   | 85       | 115     |     |       |      |
| L74396-01LFM    | LFM  | 07/15/22 9:54 | MS220627-2 | .0501 | .0005  | .06109 | mg/L  | 121  | 70       | 130     |     |       |      |
| L74396-01LFMD   | LFMD | 07/15/22 9:56 | MS220627-2 | .0501 | .0005  | .05926 | mg/L  | 117  | 70       | 130     | 3   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG546371</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG546371ICV     | ICV  | 07/13/22 12:55 | MS220701-3 | .05   |        | .05328 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG546371ICB     | ICB  | 07/13/22 12:57 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG546371LFB     | LFB  | 07/13/22 13:01 | MS220627-2 | .0498 |        | .04908 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG546091PBW     | PBW  | 07/13/22 13:03 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L74355-01AS     | AS   | 07/13/22 13:39 | MS220627-2 | .0498 | .018   | .06701 | mg/L  | 98   | 70       | 130     |     |       |      |
| L74355-01ASD    | ASD  | 07/13/22 13:40 | MS220627-2 | .0498 | .018   | .06699 | mg/L  | 98   | 70       | 130     | 0   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG546483</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG546483ICV     | ICV  | 07/18/22 15:48 | HG220718-3 | .005005 |        | .00521 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG546483ICB     | ICB  | 07/18/22 15:49 |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG546637</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG546637LRB     | LRB  | 07/18/22 16:25 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG546637LFB     | LFB  | 07/18/22 16:26 | HG220718-6 | .002002 |        | .00206 | mg/L  | 103  | 85       | 115     |     |       |      |
| L74380-03LFM    | LFM  | 07/18/22 16:30 | HG220718-6 | .002002 | U      | .00192 | mg/L  | 96   | 85       | 115     |     |       |      |
| L74380-03LFMD   | LFMD | 07/18/22 16:31 | HG220718-6 | .002002 | U      | .00185 | mg/L  | 92   | 85       | 115     | 4   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546069</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG546069LCSW1   | LCSW | 07/08/22 16:55 | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG546069LCSW4   | LCSW | 07/08/22 19:19 | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG546069LCSW7   | LCSW | 07/08/22 21:55 | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG546069LCSW10  | LCSW | 07/09/22 1:34  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L74389-07DUP    | DUP  | 07/09/22 4:36  |          |    | 3.2    | 3.2   | units |      |       |       | 0   | 20    |      |
| WG546069LCSW13  | LCSW | 07/09/22 4:39  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546387</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG546387PBW     | PBW  | 07/13/22 14:50 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG546387LCSW    | LCSW | 07/13/22 14:52 | PCN65843 | 100 |        | 81    | mg/L  | 81   | 80    | 120   |     |       |      |
| L74469-02DUP    | DUP  | 07/13/22 15:50 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**OURAYSM**

ACZ Project ID: **L74381**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG546371</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG546371ICV     | ICV  | 07/13/22 12:55 | MS220701-3 | .02 |        | .02066 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG546371ICB     | ICB  | 07/13/22 12:57 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG546371LFB     | LFB  | 07/13/22 13:01 | MS220627-2 | .01 |        | .01023 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG546091PBW     | PBW  | 07/13/22 13:03 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L74355-01AS     | AS   | 07/13/22 13:39 | MS220627-2 | .01 | U      | .00919 | mg/L  | 92   | 70       | 130     |     |       |      |
| L74355-01ASD    | ASD  | 07/13/22 13:40 | MS220627-2 | .01 | U      | .00905 | mg/L  | 91   | 70       | 130     | 2   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG546371</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG546371ICV     | ICV  | 07/13/22 12:55 | MS220701-3 | .05     |        | .0492 | mg/L  | 98   | 90      | 110    |     |       |      |
| WG546371ICB     | ICB  | 07/13/22 12:57 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG546371LFB     | LFB  | 07/13/22 13:01 | MS220627-2 | .050075 |        | .0496 | mg/L  | 99   | 85      | 115    |     |       |      |
| WG546091PBW     | PBW  | 07/13/22 13:03 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L74355-01AS     | AS   | 07/13/22 13:39 | MS220627-2 | .050075 | .0297  | .081  | mg/L  | 102  | 70      | 130    |     |       |      |
| L74355-01ASD    | ASD  | 07/13/22 13:40 | MS220627-2 | .050075 | .0297  | .0814 | mg/L  | 103  | 70      | 130    | 0   | 20    |      |



**Ouray Silver Mines**

ACZ Project ID: **L74381**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L74381-01 | NG547233 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG546387 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L74381**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L74381

Date Received: 07/07/2022 10:37

Received By:

Date Printed: 7/8/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| 7080      | 2.1       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L74381

Date Received: 07/07/2022 10:37

Received By:

Date Printed: 7/8/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



August 11, 2022

Report to:  
Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427  
  
cc: Poppy Staub

Bill to:  
Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

Project ID:  
ACZ Project ID: L74715

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 15, 2022. This project has been assigned to ACZ's project number, L74715. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L74715. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after September 10, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



Ouray Silver Mines

August 11, 2022

Project ID:

ACZ Project ID: L74715

**Sample Receipt**

ACZ Laboratories, Inc. (ACZ) received 1 miscellaneous sample from Ouray Silver Mines on July 15, 2022. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L74715. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

**Holding Times**

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

**Sample Analysis**

This sample was analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. Qualifier: H1 Applies to: L74715-01/TOTAL SUSPENDED SOLIDS

Sample prep or analysis performed past holding time. Sample received within hold, login/login review date past hold. Sample was ran as soon as possible past hold.

2. Qualifier: N1 Applies to: L74715-01/TOTAL SUSPENDED SOLIDS

Oven range is 103 C to 105 C. WG was put in oven at 102.1 C on 7/25/22. When WG was taken out of oven, temperature was within range. Sample and Quality Control attained a consistent weight and all Quality controls were within limits. Reanalyze at client's request.

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L74715-01**

Date Sampled: 07/13/22 11:02

Date Received: 07/15/22

Sample Matrix: *Waste Water*

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 07/29/22 8:15  | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 07/26/22 15:05 | gkk     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 07/25/22 10:05 | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 07/26/22 22:20 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000198 | B    | *  | mg/L  | 0.00005 | 0.00025 | 08/01/22 11:58 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    | *  | mg/L  | 0.0008  | 0.002   | 08/01/22 11:58 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | 0.084    | B    |    | mg/L  | 0.06    | 0.15    | 07/28/22 16:22 | keh1    |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00097  |      | *  | mg/L  | 0.0001  | 0.0005  | 08/01/22 11:58 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00120  |      |    | mg/L  | 0.0001  | 0.0005  | 07/27/22 15:47 | kja     |
| Manganese, potentially<br>dissolved | M200.8 ICP-MS | 1        | 0.208    |      | *  | mg/L  | 0.0004  | 0.002   | 08/01/22 11:58 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 07/26/22 12:41 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    | *  | mg/L  | 0.0001  | 0.0005  | 08/01/22 11:58 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.101    |      | *  | mg/L  | 0.006   | 0.015   | 08/01/22 11:58 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 07/26/22 17:56 | gkk     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.4    | H    |    | units | 0.1   | 0.1  | 07/28/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.5   |      |    | C     | 0.1   | 0.1  | 07/28/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | UH   | *  | mg/L  | 5     | 20   | 07/25/22 9:57  | pcj     |





#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L74715**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG547545</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG547545ICV     | ICV  | 08/01/22 11:45 | MS220701-3 | .05    |         | .049797 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG547545ICB     | ICB  | 08/01/22 11:47 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG547545LFB     | LFB  | 08/01/22 11:49 | MS220722-2 | .05005 |         | .050546 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG547033PBW     | PBW  | 08/01/22 11:50 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG547439PBW     | PBW  | 08/01/22 11:56 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L74814-05AS     | AS   | 08/01/22 12:07 | MS220722-2 | .05005 | .000138 | .048988 | mg/L  | 98   | 70       | 130     |     |       |      |
| L74814-05ASD    | ASD  | 08/01/22 12:09 | MS220722-2 | .05005 | .000138 | .049824 | mg/L  | 99   | 70       | 130     | 2   | 20    |      |
| WG547511PBW     | PBW  | 08/01/22 12:23 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG547545</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG547545ICV     | ICV  | 08/01/22 11:45 | MS220701-3 | .05 |        | .05263 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG547545ICB     | ICB  | 08/01/22 11:47 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG547545LFB     | LFB  | 08/01/22 11:49 | MS220722-2 | .05 |        | .05049 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG547033PBW     | PBW  | 08/01/22 11:50 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG547439PBW     | PBW  | 08/01/22 11:56 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L74814-05AS     | AS   | 08/01/22 12:07 | MS220722-2 | .05 | U      | .04794 | mg/L  | 96   | 70       | 130     |     |       |      |
| L74814-05ASD    | ASD  | 08/01/22 12:09 | MS220722-2 | .05 | U      | .04916 | mg/L  | 98   | 70       | 130     | 3   | 20    |      |
| WG547511PBW     | PBW  | 08/01/22 12:23 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG547233</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG547233ICV     | ICV  | 07/26/22 15:57 | WI220720-7 | .3003 |        | .2902 | mg/L  | 97   | 90     | 110   |     |       |      |
| WG547233ICB     | ICB  | 07/26/22 15:58 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG547238</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG547191LRB     | LRB  | 07/26/22 17:25 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG547191LFB     | LFB  | 07/26/22 17:26 | WI220720-5 | .2002 |        | .1878 | mg/L  | 94   | 90     | 110   |     |       |      |
| L74591-06LFM    | LFM  | 07/26/22 17:46 | WI220720-5 | .2002 | U      | .1915 | mg/L  | 96   | 90     | 110   |     |       |      |
| L74591-07DUP    | DUP  | 07/26/22 17:48 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG547400</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG547400ICV     | ICV  | 07/28/22 14:30 | II220719-1 | 2      |        | 2     | mg/L  | 100  | 95     | 105   |     |       |      |
| WG547400ICB     | ICB  | 07/28/22 14:36 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG547223LRB     | LRB  | 07/28/22 14:49 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG547223LFB     | LFB  | 07/28/22 14:53 | II220720-3 | 1.0013 |        | .986  | mg/L  | 98   | 85     | 115   |     |       |      |
| L74641-15LFM    | LFM  | 07/28/22 16:15 | II220720-3 | 1.0013 | .416   | 1.379 | mg/L  | 96   | 70     | 130   |     |       |      |
| L74641-15LFMD   | LFMD | 07/28/22 16:19 | II220720-3 | 1.0013 | .416   | 1.403 | mg/L  | 99   | 70     | 130   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74715**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG547545</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG547545ICV     | ICV  | 08/01/22 11:45 | MS220701-3 | .05   |        | .05056 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG547545ICB     | ICB  | 08/01/22 11:47 |            |       |        | .00011 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG547545LFB     | LFB  | 08/01/22 11:49 | MS220722-2 | .0501 |        | .05142 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG547033PBW     | PBW  | 08/01/22 11:50 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG547439PBW     | PBW  | 08/01/22 11:56 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L74814-05AS     | AS   | 08/01/22 12:07 | MS220722-2 | .0501 | .035   | .08443 | mg/L  | 99   | 70       | 130     |     |       |      |
| L74814-05ASD    | ASD  | 08/01/22 12:09 | MS220722-2 | .0501 | .035   | .08586 | mg/L  | 102  | 70       | 130     | 2   | 20    |      |
| WG547511PBW     | PBW  | 08/01/22 12:23 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG547276</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG547276ICV     | ICV  | 07/27/22 15:03 | MS220701-3 | .05   |        | .05181 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG547276ICB     | ICB  | 07/27/22 15:05 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG547089LRB     | LRB  | 07/27/22 15:07 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG547089LFB     | LFB  | 07/27/22 15:09 | MS220722-2 | .0501 |        | .05083 | mg/L  | 101  | 85       | 115     |     |       |      |
| L74596-01LFM    | LFM  | 07/27/22 15:33 | MS220722-2 | .0501 | .0134  | .06037 | mg/L  | 94   | 70       | 130     |     |       |      |
| L74596-01LFMD   | LFMD | 07/27/22 15:35 | MS220722-2 | .0501 | .0134  | .06249 | mg/L  | 98   | 70       | 130     | 3   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG547545</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG547545ICV     | ICV  | 08/01/22 11:45 | MS220701-3 | .05   |        | .05062 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG547545ICB     | ICB  | 08/01/22 11:47 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG547545LFB     | LFB  | 08/01/22 11:49 | MS220722-2 | .0498 |        | .05132 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG547033PBW     | PBW  | 08/01/22 11:50 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG547439PBW     | PBW  | 08/01/22 11:56 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L74814-05AS     | AS   | 08/01/22 12:07 | MS220722-2 | .0498 | .0433  | .09183 | mg/L  | 97   | 70       | 130     |     |       |      |
| L74814-05ASD    | ASD  | 08/01/22 12:09 | MS220722-2 | .0498 | .0433  | .0924  | mg/L  | 99   | 70       | 130     | 1   | 20    |      |
| WG547511PBW     | PBW  | 08/01/22 12:23 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG547118</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG547118ICV1    | ICV  | 07/26/22 11:37 | HG220718-3 | .005005 |        | .005   | mg/L  | 100  | 95       | 105     |     |       |      |
| WG547118ICB     | ICB  | 07/26/22 11:38 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG547119</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG547119LRB     | LRB  | 07/26/22 12:14 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG547119LFB     | LFB  | 07/26/22 12:14 | HG220718-6 | .002002 |        | .00203 | mg/L  | 101  | 85       | 115     |     |       |      |
| L74697-01LFM    | LFM  | 07/26/22 12:32 | HG220718-6 | .002002 | U      | .00189 | mg/L  | 94   | 85       | 115     |     |       |      |
| L74697-01LFMD   | LFMD | 07/26/22 12:32 | HG220718-6 | .002002 | U      | .00199 | mg/L  | 99   | 85       | 115     | 5   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74715**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG547317</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG547317LCSW1   | LCSW | 07/27/22 18:23 | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG547317LCSW4   | LCSW | 07/27/22 21:36 | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG547317LCSW7   | LCSW | 07/28/22 1:09  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L74721-01DUP    | DUP  | 07/28/22 4:48  |          |    | 7.5    | 7.5   | units |      |       |       | 0   | 20    |      |
| WG547317LCSW10  | LCSW | 07/28/22 4:52  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG547317LCSW13  | LCSW | 07/28/22 8:19  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG547083</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG547083PBW     | PBW  | 07/25/22 9:00  |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG547083LCSW    | LCSW | 07/25/22 9:02  | PCN66036 | 100 |        | 119   | mg/L  | 119  | 80    | 120   |     |       |      |
| L74715-01DUP    | DUP  | 07/25/22 10:00 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG547545</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG547545ICV     | ICV  | 08/01/22 11:45 | MS220701-3 | .02 |        | .02014 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG547545ICB     | ICB  | 08/01/22 11:47 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG547545LFB     | LFB  | 08/01/22 11:49 | MS220722-2 | .01 |        | .01033 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG547033PBW     | PBW  | 08/01/22 11:50 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG547439PBW     | PBW  | 08/01/22 11:56 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L74814-05AS     | AS   | 08/01/22 12:07 | MS220722-2 | .01 | U      | .00989 | mg/L  | 99   | 70       | 130     |     |       |      |
| L74814-05ASD    | ASD  | 08/01/22 12:09 | MS220722-2 | .01 | U      | .0098  | mg/L  | 98   | 70       | 130     | 1   | 20    |      |
| WG547511PBW     | PBW  | 08/01/22 12:23 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG547545</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG547545ICV     | ICV  | 08/01/22 11:45 | MS220701-3 | .05     |        | .0499 | mg/L  | 100  | 90      | 110    |     |       |      |
| WG547545ICB     | ICB  | 08/01/22 11:47 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG547545LFB     | LFB  | 08/01/22 11:49 | MS220722-2 | .050075 |        | .051  | mg/L  | 102  | 85      | 115    |     |       |      |
| WG547033PBW     | PBW  | 08/01/22 11:50 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG547439PBW     | PBW  | 08/01/22 11:56 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L74814-05AS     | AS   | 08/01/22 12:07 | MS220722-2 | .050075 | .0265  | .0748 | mg/L  | 96   | 70      | 130    |     |       |      |
| L74814-05ASD    | ASD  | 08/01/22 12:09 | MS220722-2 | .050075 | .0265  | .077  | mg/L  | 101  | 70      | 130    | 3   | 20    |      |
| WG547511PBW     | PBW  | 08/01/22 12:23 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |

**Ouray Silver Mines**

ACZ Project ID: **L74715**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|--------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L74715-01 | WG547545 | Cadmium, potentially dissolved      | M200.8 ICP-MS                              | Q5   | Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.                                                           |
|           |          | Copper, potentially dissolved       | M200.8 ICP-MS                              | Q5   | Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.                                                           |
|           | WG547238 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/ distillation | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG547545 | Lead, potentially dissolved         | M200.8 ICP-MS                              | Q5   | Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.                                                           |
|           |          | Manganese, potentially dissolved    | M200.8 ICP-MS                              | Q5   | Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.                                                           |
|           | WG547083 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|           |          |                                     | SM2540D                                    | N1   | See Case Narrative.                                                                                                                                                   |
|           |          |                                     | SM2540D                                    | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|           | WG547545 | Silver, potentially dissolved       | M200.8 ICP-MS                              | Q5   | Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.                                                           |
|           |          | Zinc, potentially dissolved         | M200.8 ICP-MS                              | Q5   | Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.                                                           |

**Ouray Silver Mines**

ACZ Project ID: **L74715**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L74715

Date Received: 07/15/2022 11:40

Received By:

Date Printed: 7/25/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA37989   | 7         | <=6.0                 | 15          | Yes                     |

Was ice present in the shipment container(s)?

No - Wet or gel ice was not present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L74715

Date Received: 07/15/2022 11:40

Received By:

Date Printed: 7/25/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).





August 31, 2022

Report to:  
Poppy Staub  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:  
Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Todd Jesse

Project ID:  
ACZ Project ID: L75077

Poppy Staub:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 10, 2022. This project has been assigned to ACZ's project number, L75077. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L75077. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after September 30, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L75077-01**

Date Sampled: 08/09/22 00:00

Date Received: 08/10/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 08/13/22 12:04 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 08/12/22 10:06 | wgm     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 08/16/22 13:15 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 08/23/22 15:32 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000180 | B    |    | mg/L  | 0.00005 | 0.00025 | 08/19/22 11:28 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 08/19/22 11:28 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 08/24/22 16:13 | aeh     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00129  |      |    | mg/L  | 0.0001  | 0.0005  | 08/19/22 11:28 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00118  |      |    | mg/L  | 0.0001  | 0.0005  | 08/17/22 11:35 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.188    |      |    | mg/L  | 0.0004  | 0.002   | 08/19/22 11:28 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 08/16/22 15:02 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 08/19/22 11:28 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0783   |      |    | mg/L  | 0.006   | 0.015   | 08/19/22 11:28 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 08/15/22 10:44 | gkk     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.7    | H    |    | units | 0.1   | 0.1  | 08/12/22 0:00  | eep     |
| pH measured at                             |                                                | 1        | 22.5   |      |    | C     | 0.1   | 0.1  | 08/12/22 0:00  | eep     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 08/15/22 11:23 | svm     |


**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L75077**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG548839</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG548839ICV     | ICV  | 08/19/22 11:07 | MS220701-3 | .05    |        | .049542 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG548839ICB     | ICB  | 08/19/22 11:09 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG548839LFB     | LFB  | 08/19/22 11:10 | MS220722-2 | .05005 |        | .048957 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG548465PBW     | PBW  | 08/19/22 11:12 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L75076-02AS     | AS   | 08/19/22 11:21 | MS220722-2 | .05005 | U      | .049273 | mg/L  | 98   | 70       | 130     |     |       |      |
| L75076-02ASD    | ASD  | 08/19/22 11:23 | MS220722-2 | .05005 | U      | .04935  | mg/L  | 99   | 70       | 130     | 0   | 20    |      |
| WG548469PBW     | PBW  | 08/19/22 11:45 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG548839</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG548839ICV     | ICV  | 08/19/22 11:07 | MS220701-3 | .05 |        | .05362 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG548839ICB     | ICB  | 08/19/22 11:09 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG548839LFB     | LFB  | 08/19/22 11:10 | MS220722-2 | .05 |        | .05115 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG548465PBW     | PBW  | 08/19/22 11:12 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L75076-02AS     | AS   | 08/19/22 11:21 | MS220722-2 | .05 | .00668 | .05605 | mg/L  | 99   | 70       | 130     |     |       |      |
| L75076-02ASD    | ASD  | 08/19/22 11:23 | MS220722-2 | .05 | .00668 | .05582 | mg/L  | 98   | 70       | 130     | 0   | 20    |      |
| WG548469PBW     | PBW  | 08/19/22 11:45 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG548495</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG548495ICV     | ICV  | 08/15/22 10:41 | WI220804-12 | .3003 |        | .3008 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG548495ICB     | ICB  | 08/15/22 10:41 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG548388LRB     | LRB  | 08/15/22 10:42 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG548388LFB     | LFB  | 08/15/22 10:43 | WI220804-5  | .2002 |        | .1968 | mg/L  | 98   | 90     | 110   |     |       |      |
| L75098-01DUP    | DUP  | 08/15/22 10:50 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L75098-02LFM    | LFM  | 08/15/22 10:53 | WI220804-5  | .2002 | .0342  | .2168 | mg/L  | 91   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG549140</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG549140ICV     | ICV  | 08/24/22 14:28 | II220815-2 | 2      |        | 2.007 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG549140ICB     | ICB  | 08/24/22 14:34 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG548993LRB     | LRB  | 08/24/22 14:47 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG548993LFB     | LFB  | 08/24/22 14:50 | II220816-2 | 1.0013 |        | 1.018 | mg/L  | 102  | 85     | 115   |     |       |      |
| L75077-01LFM    | LFM  | 08/24/22 16:17 | II220816-2 | 1.0013 | U      | 1.045 | mg/L  | 104  | 70     | 130   |     |       |      |
| L75077-01LFMD   | LFMD | 08/24/22 16:20 | II220816-2 | 1.0013 | U      | 1.059 | mg/L  | 106  | 70     | 130   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L75077**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG548839</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG548839ICV     | ICV  | 08/19/22 11:07 | MS220701-3 | .05   |        | .05012 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG548839ICB     | ICB  | 08/19/22 11:09 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG548839LFB     | LFB  | 08/19/22 11:10 | MS220722-2 | .0501 |        | .04955 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG548465PBW     | PBW  | 08/19/22 11:12 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L75076-02AS     | AS   | 08/19/22 11:21 | MS220722-2 | .0501 | .00018 | .05137 | mg/L  | 102  | 70       | 130     |     |       |      |
| L75076-02ASD    | ASD  | 08/19/22 11:23 | MS220722-2 | .0501 | .00018 | .05194 | mg/L  | 103  | 70       | 130     | 1   | 20    |      |
| WG548469PBW     | PBW  | 08/19/22 11:45 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG548671</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG548671ICV     | ICV  | 08/17/22 11:01 | MS220701-3 | .05   |        | .04992 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG548671ICB     | ICB  | 08/17/22 11:03 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG548556LRB     | LRB  | 08/17/22 11:05 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG548556LFB     | LFB  | 08/17/22 11:06 | MS220722-2 | .0501 |        | .04702 | mg/L  | 94   | 85       | 115     |     |       |      |
| L75078-03LFM    | LFM  | 08/17/22 11:42 | MS220722-2 | .0501 | .00016 | .04622 | mg/L  | 92   | 70       | 130     |     |       |      |
| L75078-03LFMD   | LFMD | 08/17/22 11:44 | MS220722-2 | .0501 | .00016 | .04632 | mg/L  | 92   | 70       | 130     | 0   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG548839</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG548839ICV     | ICV  | 08/19/22 11:07 | MS220701-3 | .05   |        | .04978 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG548839ICB     | ICB  | 08/19/22 11:09 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG548839LFB     | LFB  | 08/19/22 11:10 | MS220722-2 | .0498 |        | .04989 | mg/L  | 100  | 85       | 115     |     |       |      |
| WG548465PBW     | PBW  | 08/19/22 11:12 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L75076-02AS     | AS   | 08/19/22 11:21 | MS220722-2 | .0498 | .0231  | .07289 | mg/L  | 100  | 70       | 130     |     |       |      |
| L75076-02ASD    | ASD  | 08/19/22 11:23 | MS220722-2 | .0498 | .0231  | .07363 | mg/L  | 101  | 70       | 130     | 1   | 20    |      |
| WG548469PBW     | PBW  | 08/19/22 11:45 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG548583</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG548583ICV     | ICV  | 08/16/22 14:44 | HG220815-3 | .005005 |        | .00516 | mg/L  | 103  | 95       | 105     |     |       |      |
| WG548583ICB     | ICB  | 08/16/22 14:45 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG548583LRB     | LRB  | 08/16/22 14:47 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG548583LFB     | LFB  | 08/16/22 14:48 | HG220815-6 | .002002 |        | .00202 | mg/L  | 101  | 85       | 115     |     |       |      |
| L75077-01LFM    | LFM  | 08/16/22 15:03 | HG220815-6 | .002002 | U      | .00216 | mg/L  | 108  | 85       | 115     |     |       |      |
| L75077-01LFMD   | LFMD | 08/16/22 15:04 | HG220815-6 | .002002 | U      | .00202 | mg/L  | 101  | 85       | 115     | 7   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG548327</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG548327LCSW1   | LCSW | 08/11/22 18:59 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG548327LCSW4   | LCSW | 08/11/22 21:29 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG548327LCSW7   | LCSW | 08/12/22 0:51  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L75078-07DUP    | DUP  | 08/12/22 4:26  |          |    | 7.1    | 7.1   | units |      |       |       | 0   | 20    |      |
| WG548327LCSW10  | LCSW | 08/12/22 4:30  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG548327LCSW13  | LCSW | 08/12/22 7:32  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**OURAYSM**

ACZ Project ID: **L75077**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG548501</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG548501PBW     | PBW  | 08/15/22 11:00 |           |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG548501LCSW    | LCSW | 08/15/22 11:02 | PCN623300 | 100 |        | 83    | mg/L  | 83   | 80    | 120   |     |       |      |
| L75086-05DUP    | DUP  | 08/15/22 11:31 |           |     | 276    | 278   | mg/L  |      |       |       | 1   | 10    |      |

**Silver, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG548839</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG548839ICV     | ICV  | 08/19/22 11:07 | MS220701-3 | .02 |        | .01965 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG548839ICB     | ICB  | 08/19/22 11:09 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG548839LFB     | LFB  | 08/19/22 11:10 | MS220722-2 | .01 |        | .00972 | mg/L  | 97   | 85       | 115     |     |       |      |
| WG548465PBW     | PBW  | 08/19/22 11:12 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L75076-02AS     | AS   | 08/19/22 11:21 | MS220722-2 | .01 | U      | .00949 | mg/L  | 95   | 70       | 130     |     |       |      |
| L75076-02ASD    | ASD  | 08/19/22 11:23 | MS220722-2 | .01 | U      | .01026 | mg/L  | 103  | 70       | 130     | 8   | 20    |      |
| WG548469PBW     | PBW  | 08/19/22 11:45 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Zinc, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG548839</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG548839ICV     | ICV  | 08/19/22 11:07 | MS220701-3 | .05     |        | .0489 | mg/L  | 98   | 90      | 110    |     |       |      |
| WG548839ICB     | ICB  | 08/19/22 11:09 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG548839LFB     | LFB  | 08/19/22 11:10 | MS220722-2 | .050075 |        | .0499 | mg/L  | 100  | 85      | 115    |     |       |      |
| WG548465PBW     | PBW  | 08/19/22 11:12 |            |         |        | .0116 | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L75076-02AS     | AS   | 08/19/22 11:21 | MS220722-2 | .050075 | .0323  | .0818 | mg/L  | 99   | 70      | 130    |     |       |      |
| L75076-02ASD    | ASD  | 08/19/22 11:23 | MS220722-2 | .050075 | .0323  | .082  | mg/L  | 99   | 70      | 130    | 0   | 20    |      |
| WG548469PBW     | PBW  | 08/19/22 11:45 |            |         |        | .0123 | mg/L  |      | -0.018  | 0.018  |     |       |      |

**Ouray Silver Mines**

ACZ Project ID: **L75077**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75077-01 | WG548495 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG548501 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |



**Ouray Silver Mines**

ACZ Project ID: **L75077**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L75077

Date Received: 08/10/2022 10:42

Received By:

Date Printed: 8/11/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp Criteria (°C) | Rad (µR/Hr) | Custody Seal Intact? |
|-----------|-----------|--------------------|-------------|----------------------|
| -----     | -----     | -----              | -----       | -----                |
| NA38148   | 8.2       | <=6.0              | 15          | Yes                  |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L75077

Date Received: 08/10/2022 10:42

Received By:

Date Printed: 8/11/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

**Laboratories, Inc.****L75077****CHAIN of CUSTODY**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

**Report to:**

Name: Poppy Staub

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1

Ouray, CO 81427

Telephone: 970 325 9830

**Copy of Report to:**

Name: Todd Jesse

Company: Ouray Silver Mines, Inc

E-mail: Environmental@ouraysilvermines.com

Telephone: 970 325 9830

**Invoice to:**

Name: Don Cordsen

Company: Ouray Silver Mines

E-mail: payable@ouraysilvermines.com

Address: PO Box 564

Ouray, CO 81427

Telephone: 970 325 9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES



NO



If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes



No



If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Poppy Staub

Sampler's Site Information

State CO

Zip code 81427

Time Zone MNT

\*Sampler's Signature:

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

**PROJECT INFORMATION**

ANALYSES REQUESTED (attach list or use quote number)

Quote #:

PO#: CDPS-BIMONTH-VW

Reporting state for compliance testing:

Check box if samples include NRC licensed material?



SAMPLE IDENTIFICATION

DATE:TIME

Matrix

# of Containers

CDPS-BIMONTH-VW

| SAMPLE IDENTIFICATION | DATE:TIME | Matrix | # of Containers | CDPS-BIMONTH-VW                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|-----------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| OF002A                | 8/9/2022  | VW     | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |           |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |           |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |           |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |           |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |           |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |           |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |           |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |           |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |           |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix

SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

**REMARKS**

Please refer to ACZ's terms &amp; conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

Poppy Staub

8/9/22/12:15

8/10/22

13:15

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

September 22, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L75618

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 18, 2022. This project has been assigned to ACZ's project number, L75618. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L75618. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after October 22, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

*Mark McNeal*

Mark McNeal has reviewed  
and approved this report.



Ouray Silver Mines

September 22, 2022

Project ID:

ACZ Project ID: L75618

**Sample Receipt**

ACZ Laboratories, Inc. (ACZ) received 1 miscellaneous sample from Ouray Silver Mines on August 18, 2022. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L75618. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

**Holding Times**

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

**Sample Analysis**

This sample was analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. Qualifier: H1 Applies to: L75618-01/TOTAL SUSPENDED SOLIDS

Sample prep or analysis performed past holding time. Received within hold, login/login review past hold. Ran as soon as possible.

2. Qualifier: H1 Applies to: L75618-01/CYANIDE

Sample logged in 9/6/22 and reviewed 9/7/22. Sample analyzed as soon as it became available

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L75618-01**

Date Sampled: 08/17/22 10:24

Date Received: 08/18/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 09/08/22 15:56 | gjl     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 09/07/22 15:06 | wgm     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 09/07/22 10:00 | gjl     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 09/07/22 16:00 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000160 | B    |    | mg/L  | 0.00005 | 0.00025 | 09/13/22 11:38 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/13/22 11:38 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 09/09/22 15:52 | keh1    |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00108  |      |    | mg/L  | 0.0001  | 0.0005  | 09/13/22 11:38 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00139  |      |    | mg/L  | 0.0001  | 0.0005  | 09/12/22 14:46 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.192    |      |    | mg/L  | 0.0004  | 0.002   | 09/13/22 11:38 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/13/22 14:20 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/13/22 11:38 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0771   |      |    | mg/L  | 0.006   | 0.015   | 09/13/22 11:38 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L  | 0.003 | 0.01 | 09/08/22 15:48 | gkk     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.0    | H    |    | units | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 21.0   |      |    | C     | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | UH   | *  | mg/L  | 5     | 20   | 09/07/22 11:15 | mrbr    |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>



**OURAYSM**

ACZ Project ID: **L75618**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG550314</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG550314ICV     | ICV  | 09/13/22 11:28 | MS220701-3 | .05    |        | .054334 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG550314ICB     | ICB  | 09/13/22 11:30 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG550314LFB     | LFB  | 09/13/22 11:32 | MS220822-2 | .05005 |        | .048357 | mg/L  | 97   | 85       | 115     |     |       |      |
| WG550081PBW     | PBW  | 09/13/22 11:34 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L75619-02AS     | AS   | 09/13/22 11:43 | MS220822-2 | .05005 | U      | .045501 | mg/L  | 91   | 70       | 130     |     |       |      |
| L75619-02ASD    | ASD  | 09/13/22 11:45 | MS220822-2 | .05005 | U      | .045287 | mg/L  | 90   | 70       | 130     | 0   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550314</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG550314ICV     | ICV  | 09/13/22 11:28 | MS220701-3 | .05 |        | .05463 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG550314ICB     | ICB  | 09/13/22 11:30 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG550314LFB     | LFB  | 09/13/22 11:32 | MS220822-2 | .05 |        | .04694 | mg/L  | 94   | 85       | 115     |     |       |      |
| WG550081PBW     | PBW  | 09/13/22 11:34 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L75619-02AS     | AS   | 09/13/22 11:43 | MS220822-2 | .05 | .00104 | .04872 | mg/L  | 95   | 70       | 130     |     |       |      |
| L75619-02ASD    | ASD  | 09/13/22 11:45 | MS220822-2 | .05 | .00104 | .04918 | mg/L  | 96   | 70       | 130     | 1   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG550083</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG550083ICV     | ICV  | 09/08/22 14:44 | WI220901-6 | .3003 |        | .2989 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG550083ICB     | ICB  | 09/08/22 14:45 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG550098</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG549944LRB     | LRB  | 09/08/22 15:23 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG549944LFB     | LFB  | 09/08/22 15:24 | WI220826-4 | .2002 |        | .2069 | mg/L  | 103  | 90     | 110   |     |       |      |
| L75574-07LFM    | LFM  | 09/08/22 15:47 | WI220826-4 | .2002 | U      | .2029 | mg/L  | 101  | 90     | 110   |     |       |      |
| L75618-01DUP    | DUP  | 09/08/22 15:49 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG550105</b> |      |                |            |        |        |        |       |      |        |       |     |       |      |
| WG550105ICV     | ICV  | 09/09/22 14:01 | II220906-1 | 2      |        | 1.961  | mg/L  | 98   | 95     | 105   |     |       |      |
| WG550105ICB     | ICB  | 09/09/22 14:07 |            |        |        | U      | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG549922LRB     | LRB  | 09/09/22 14:20 |            |        |        | U      | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG549922LFB     | LFB  | 09/09/22 14:23 | II220831-2 | 1.0013 |        | .936   | mg/L  | 93   | 85     | 115   |     |       |      |
| L75495-15LFM    | LFM  | 09/09/22 15:39 | II220831-2 | 1.0013 | 14.3   | 15.004 | mg/L  | 70   | 70     | 130   |     |       |      |
| L75495-15LFMD   | LFMD | 09/09/22 15:42 | II220831-2 | 1.0013 | 14.3   | 15.332 | mg/L  | 103  | 70     | 130   | 2   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550314</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG550314ICV     | ICV  | 09/13/22 11:28 | MS220701-3 | .05   |        | .05429 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG550314ICB     | ICB  | 09/13/22 11:30 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG550314LFB     | LFB  | 09/13/22 11:32 | MS220822-2 | .0501 |        | .04796 | mg/L  | 96   | 85       | 115     |     |       |      |
| WG550081PBW     | PBW  | 09/13/22 11:34 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L75619-02AS     | AS   | 09/13/22 11:43 | MS220822-2 | .0501 | .00044 | .05129 | mg/L  | 101  | 70       | 130     |     |       |      |
| L75619-02ASD    | ASD  | 09/13/22 11:45 | MS220822-2 | .0501 | .00044 | .05155 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L75618**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550237</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG550237ICV     | ICV  | 09/12/22 14:39 | MS220701-3 | .05   |        | .05    | mg/L  | 100  | 90       | 110     |     |       |      |
| WG550237ICB     | ICB  | 09/12/22 14:41 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG549914LRB     | LRB  | 09/12/22 14:42 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG549914LFB     | LFB  | 09/12/22 14:44 | MS220822-2 | .0501 |        | .04846 | mg/L  | 97   | 85       | 115     |     |       |      |
| L75473-03LFM    | LFM  | 09/12/22 14:54 | MS220822-2 | .0501 | U      | .05364 | mg/L  | 107  | 70       | 130     |     |       |      |
| L75473-03LFMD   | LFMD | 09/12/22 14:56 | MS220822-2 | .0501 | U      | .05256 | mg/L  | 105  | 70       | 130     | 2   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550314</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG550314ICV     | ICV  | 09/13/22 11:28 | MS220701-3 | .05   |        | .05479 | mg/L  | 110  | 90       | 110     |     |       |      |
| WG550314ICB     | ICB  | 09/13/22 11:30 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG550314LFB     | LFB  | 09/13/22 11:32 | MS220822-2 | .0498 |        | .04883 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG550081PBW     | PBW  | 09/13/22 11:34 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L75619-02AS     | AS   | 09/13/22 11:43 | MS220822-2 | .0498 | .17    | .21196 | mg/L  | 84   | 70       | 130     |     |       |      |
| L75619-02ASD    | ASD  | 09/13/22 11:45 | MS220822-2 | .0498 | .17    | .20882 | mg/L  | 78   | 70       | 130     | 1   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550305</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG550305ICV1    | ICV  | 09/13/22 12:54 | HG220830-3 | .005005 |        | .00499 | mg/L  | 100  | 95       | 105     |     |       |      |
| WG550305ICB     | ICB  | 09/13/22 12:55 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG550322</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG550322LRB     | LRB  | 09/13/22 14:08 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG550322LFB     | LFB  | 09/13/22 14:09 | HG220830-6 | .002002 |        | .00204 | mg/L  | 102  | 85       | 115     |     |       |      |
| L75554-03LFM    | LFM  | 09/13/22 14:13 | HG220830-6 | .002002 | U      | .00197 | mg/L  | 98   | 85       | 115     |     |       |      |
| L75554-03LFMD   | LFMD | 09/13/22 14:14 | HG220830-6 | .002002 | U      | .00202 | mg/L  | 101  | 85       | 115     | 3   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG549911</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG549911LCSW1   | LCSW | 09/06/22 20:26 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG549911LCSW4   | LCSW | 09/06/22 23:01 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG549911LCSW7   | LCSW | 09/07/22 1:43  | PCN65296 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG549911LCSW10  | LCSW | 09/07/22 4:04  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L75618-01DUP    | DUP  | 09/07/22 7:08  |          |    | 7      | 7.1   | units |      |       |       | 1   | 20    |      |
| WG549911LCSW13  | LCSW | 09/07/22 7:12  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG549934</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG549934PBW     | PBW  | 09/07/22 10:15 |           |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG549934LCSW    | LCSW | 09/07/22 10:17 | PCN623506 | 100 |        | 80    | mg/L  | 80   | 80    | 120   |     |       |      |
| L75605-02DUP    | DUP  | 09/07/22 11:09 |           |     | 15     | 16    | mg/L  |      |       |       | 6   | 10    | RA   |

**OURAYSM**

ACZ Project ID: **L75618**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550314</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG550314ICV     | ICV  | 09/13/22 11:28 | MS220701-3 | .02 |        | .02104 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG550314ICB     | ICB  | 09/13/22 11:30 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG550314LFB     | LFB  | 09/13/22 11:32 | MS220822-2 | .01 |        | .00952 | mg/L  | 95   | 85       | 115     |     |       |      |
| WG550081PBW     | PBW  | 09/13/22 11:34 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L75619-02AS     | AS   | 09/13/22 11:43 | MS220822-2 | .01 | U      | .00883 | mg/L  | 88   | 70       | 130     |     |       |      |
| L75619-02ASD    | ASD  | 09/13/22 11:45 | MS220822-2 | .01 | U      | .00874 | mg/L  | 87   | 70       | 130     | 1   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG550314</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG550314ICV     | ICV  | 09/13/22 11:28 | MS220701-3 | .05     |        | .0524 | mg/L  | 105  | 90      | 110    |     |       |      |
| WG550314ICB     | ICB  | 09/13/22 11:30 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG550314LFB     | LFB  | 09/13/22 11:32 | MS220822-2 | .050075 |        | .0507 | mg/L  | 101  | 85      | 115    |     |       |      |
| WG550081PBW     | PBW  | 09/13/22 11:34 |            |         |        | .0153 | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L75619-02AS     | AS   | 09/13/22 11:43 | MS220822-2 | .050075 | .0118  | .0502 | mg/L  | 77   | 70      | 130    |     |       |      |
| L75619-02ASD    | ASD  | 09/13/22 11:45 | MS220822-2 | .050075 | .0118  | .0495 | mg/L  | 75   | 70      | 130    | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L75618**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75618-01 | WG550098 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG549934 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|           |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|           |          |                                     |                                               |      |                                                                                                                                                                       |

**Ouray Silver Mines**

ACZ Project ID: **L75618**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L75618

Date Received: 08/18/2022 11:33

Received By:

Date Printed: 9/7/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA38216   | 4.9       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L75618

Date Received: 08/18/2022 11:33

Received By:

Date Printed: 9/7/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc. L7 5618

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 720-469-7557

Copy of Report to:

Name: Poppy Staub  
Company: Ouray Silver Mines Inc

E-mail: pstaub@ouraysilvermines.com  
Telephone: 970-325-9830

Invoice to:

Name: Don Cordsen  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Ouray, CO 81427  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mnt

\*Sampler's Signature: *Todd Jesse*

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: CDPS-BIMONTH-WW

PO#:

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

SAMPLE IDENTIFICATION DATE: TIME Matrix

| SAMPLE IDENTIFICATION | DATE: TIME      | Matrix | # of Containers | CDPS-BIMONTH-WW                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|-----------------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| OF002A                | 8/17/22 : 10:24 | WW     | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) - GW (Ground Water) - WW (Waste Water) - DW (Drinking Water) - SL (Sludge) - SO (Soil) - OL (Oil) - Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

| RELINQUISHED BY:  | DATE: TIME      | RECEIVED BY: | DATE: TIME |
|-------------------|-----------------|--------------|------------|
| <i>Todd Jesse</i> | 8/17/22 : 10:00 | <i>avg</i>   | 9/6/22     |
|                   |                 |              | 16.25      |
|                   |                 |              |            |

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

L75618 Chain of Custody



September 30, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L75921

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on September 08, 2022. This project has been assigned to ACZ's project number, L75921. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L75921. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after October 30, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



Ouray Silver Mines

September 30, 2022

Project ID:

ACZ Project ID: L75921

**Sample Receipt**

ACZ Laboratories, Inc. (ACZ) received 2 miscellaneous samples from Ouray Silver Mines on September 8, 2022. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L75921. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

**Holding Times**

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

**Sample Analysis**

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. Qualifier: H1 Applies to: L75921-01/TOTAL SUSPENDED SOLIDS

Sample received within hold, logged in past hold. Ran as soon as possible.

2. Qualifier: H1 Applies to: L75921-02/TOTAL DISSOLVED SOLIDS

Sample received within hold, sample logged in for analysis past hold. Analyzed as soon as possible.

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L75921-01**

Date Sampled: 09/07/22 09:51

Date Received: 09/08/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 09/19/22 14:50 | gjl     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 09/16/22 15:40 | wgm     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 09/18/22 11:15 | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 09/19/22 17:20 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000188 | B    |    | mg/L  | 0.00005 | 0.00025 | 09/20/22 12:25 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/20/22 12:25 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | 0.065    | B    |    | mg/L  | 0.06    | 0.15    | 09/21/22 8:41  | keh1    |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00113  |      |    | mg/L  | 0.0001  | 0.0005  | 09/20/22 12:25 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00139  |      |    | mg/L  | 0.0001  | 0.0005  | 09/19/22 14:38 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.227    |      |    | mg/L  | 0.0004  | 0.002   | 09/20/22 12:25 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/19/22 13:44 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/20/22 12:25 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.101    |      |    | mg/L  | 0.006   | 0.015   | 09/20/22 12:25 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 09/17/22 21:17 | pjb     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 6.8    | H    |    | units | 0.1   | 0.1  | 09/23/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 21.7   |      |    | C     | 0.1   | 0.1  | 09/23/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | UH   | *  | mg/L  | 5     | 20   | 09/16/22 12:57 | svm     |

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L75921-02**

Date Sampled: 09/07/22 09:51

Date Received: 09/08/22

Sample Matrix: Waste Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 09/18/22 11:15 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 09/18/22 11:15 | mfm     |

Metals Analysis

| Parameter                             | EPA Method                                   | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|---------------------------------------|----------------------------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Arsenic, total recoverable            | M200.8 ICP-MS                                | 1        | 0.00119  |      |    | mg/L  | 0.0002  | 0.001   | 09/20/22 11:08 | mfm     |
| Cadmium, total                        | M200.8 ICP-MS                                | 1        | 0.000226 | B    |    | mg/L  | 0.00005 | 0.00025 | 09/19/22 14:40 | mfm     |
| Chromium, total recoverable           | M200.8 ICP-MS                                | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/20/22 11:08 | mfm     |
| Chromium, Trivalent Total Recoverable | Calculation (Total Recoverable - Hexavalent) |          | <0.005   | U    |    | mg/L  | 0.005   | 0.02    | 09/30/22 0:00  | calc    |
| Copper, total                         | M200.8 ICP-MS                                | 1        | 0.00137  | B    |    | mg/L  | 0.0008  | 0.002   | 09/19/22 14:40 | mfm     |
| Mercury, total                        | M1631E, Atomic Fluorescence                  | 1        | 0.59     | B    |    | ng/L  | 0.3     | 1       | 09/27/22 15:10 | mfm     |
| Zinc, total                           | M200.8 ICP-MS                                | 1        | 0.0964   |      |    | mg/L  | 0.006   | 0.015   | 09/22/22 16:20 | mfm     |

Wet Chemistry

| Parameter                       | EPA Method | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|---------------------------------|------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Dissolved Chromium, Hexavalent  | SM3500Cr-B | 1        | <0.005 | UH   | *  | mg/L  | 0.005 | 0.02 | 09/16/22 15:00 | jck     |
| Residue, Filterable (TDS) @180C | SM2540C    | 1        | 172    | H    | *  | mg/L  | 20    | 40   | 09/16/22 16:00 | svm     |


**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L75921**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550836</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG550836ICV     | ICV  | 09/20/22 10:10 | MS220701-3 | .05    |        | .04987 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG550836ICB     | ICB  | 09/20/22 10:12 |            |        |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG550758LRB     | LRB  | 09/20/22 10:14 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG550758LFB     | LFB  | 09/20/22 10:16 | MS220822-2 | .05005 |        | .04723 | mg/L  | 94   | 85       | 115     |     |       |      |
| L75841-02LFM    | LFM  | 09/20/22 11:00 | MS220822-2 | .05005 | .00076 | .047   | mg/L  | 92   | 70       | 130     |     |       |      |
| L75841-02LFMD   | LFMD | 09/20/22 11:02 | MS220822-2 | .05005 | .00076 | .04739 | mg/L  | 93   | 70       | 130     | 1   | 20    |      |

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG550878</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG550878ICV     | ICV  | 09/20/22 12:14 | MS220701-3 | .05    |         | .049803 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG550878ICB     | ICB  | 09/20/22 12:16 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG550878LFB     | LFB  | 09/20/22 12:18 | MS220822-2 | .05005 |         | .051291 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG550842PBW     | PBW  | 09/20/22 12:20 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L75921-01AS     | AS   | 09/20/22 12:27 | MS220822-2 | .05005 | .000188 | .049354 | mg/L  | 98   | 70       | 130     |     |       |      |
| L75921-01ASD    | ASD  | 09/20/22 12:29 | MS220822-2 | .05005 | .000188 | .050389 | mg/L  | 100  | 70       | 130     | 2   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG550825</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG550825ICV     | ICV  | 09/19/22 13:42 | MS220701-3 | .05    |        | .047136 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG550825ICB     | ICB  | 09/19/22 13:44 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG550760LRB     | LRB  | 09/19/22 13:46 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG550760LFB     | LFB  | 09/19/22 13:48 | MS220822-2 | .05005 |        | .04789  | mg/L  | 96   | 85       | 115     |     |       |      |
| L75818-02LFM    | LFM  | 09/19/22 14:31 | MS220822-2 | .05005 | U      | .050178 | mg/L  | 100  | 70       | 130     |     |       |      |
| L75818-02LFMD   | LFMD | 09/19/22 14:33 | MS220822-2 | .05005 | U      | .049798 | mg/L  | 99   | 70       | 130     | 1   | 20    |      |

**Chromium, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG550836</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG550836ICV     | ICV  | 09/20/22 10:10 | MS220701-3 | .05   |        | .05202 | mg/L  | 104  | 90      | 110    |     |       |      |
| WG550836ICB     | ICB  | 09/20/22 10:12 |            |       |        | U      | mg/L  |      | -0.0015 | 0.0015 |     |       |      |
| WG550758LRB     | LRB  | 09/20/22 10:14 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG550758LFB     | LFB  | 09/20/22 10:16 | MS220822-2 | .0501 |        | .04824 | mg/L  | 96   | 85      | 115    |     |       |      |
| L75841-02LFM    | LFM  | 09/20/22 11:00 | MS220822-2 | .0501 | U      | .04789 | mg/L  | 96   | 70      | 130    |     |       |      |
| L75841-02LFMD   | LFMD | 09/20/22 11:02 | MS220822-2 | .0501 | U      | .04845 | mg/L  | 97   | 70      | 130    | 1   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550878</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG550878ICV     | ICV  | 09/20/22 12:14 | MS220701-3 | .05 |        | .0531  | mg/L  | 106  | 90       | 110     |     |       |      |
| WG550878ICB     | ICB  | 09/20/22 12:16 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG550878LFB     | LFB  | 09/20/22 12:18 | MS220822-2 | .05 |        | .05077 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG550842PBW     | PBW  | 09/20/22 12:20 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L75921-01AS     | AS   | 09/20/22 12:27 | MS220822-2 | .05 | U      | .05087 | mg/L  | 102  | 70       | 130     |     |       |      |
| L75921-01ASD    | ASD  | 09/20/22 12:29 | MS220822-2 | .05 | U      | .05111 | mg/L  | 102  | 70       | 130     | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L75921**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Copper, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550825</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG550825ICV     | ICV  | 09/19/22 13:42 | MS220701-3 | .05 |        | .04851 | mg/L  | 97   | 90       | 110     |     |       |      |
| WG550825ICB     | ICB  | 09/19/22 13:44 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG550760LRB     | LRB  | 09/19/22 13:46 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG550760LFB     | LFB  | 09/19/22 13:48 | MS220822-2 | .05 |        | .0484  | mg/L  | 97   | 85       | 115     |     |       |      |
| L75818-02LFM    | LFM  | 09/19/22 14:31 | MS220822-2 | .05 | U      | .04683 | mg/L  | 94   | 70       | 130     |     |       |      |
| L75818-02LFMD   | LFMD | 09/19/22 14:33 | MS220822-2 | .05 | U      | .04618 | mg/L  | 92   | 70       | 130     | 1   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG550755</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG550755ICV     | ICV  | 09/17/22 20:50 | WI220912-5 | .3003 |        | .3027 | mg/L  | 101  | 90     | 110   |     |       |      |
| WG550755ICB     | ICB  | 09/17/22 20:51 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG550704LRB     | LRB  | 09/17/22 20:52 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG550704LFB     | LFB  | 09/17/22 20:53 | WI220912-2 | .2002 |        | .1966 | mg/L  | 98   | 90     | 110   |     |       |      |
| L75858-01DUP    | DUP  | 09/17/22 21:16 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L75921-01LFM    | LFM  | 09/17/22 21:18 | WI220912-2 | .2002 | U      | .1882 | mg/L  | 94   | 90     | 110   |     |       |      |

**Dissolved Chromium, Hexavalent**

SM3500Cr-B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG550729</b> |      |                |            |     |        |       |       |      |        |       |     |       |      |
| WG550729ICV     | ICV  | 09/16/22 14:46 | WC220415-6 | .05 |        | .0498 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG550729ICB     | ICB  | 09/16/22 14:50 |            |     |        | U     | mg/L  |      | -0.005 | 0.005 |     |       |      |
| WG550729LFB     | LFB  | 09/16/22 14:55 | WC220415-8 | .05 |        | .0517 | mg/L  | 103  | 90     | 110   |     |       |      |
| L75921-02AS     | AS   | 09/16/22 15:04 | WC220415-8 | .05 | U      | .0491 | mg/L  | 98   | 90     | 110   |     |       |      |
| L75921-02DUP    | DUP  | 09/16/22 15:09 |            |     | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG550967</b> |      |               |            |        |        |       |       |      |        |       |     |       |      |
| WG550967ICV     | ICV  | 09/21/22 6:49 | II220906-1 | 2      |        | 2.002 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG550967ICB     | ICB  | 09/21/22 6:55 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG550785LRB     | LRB  | 09/21/22 7:08 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG550785LFB     | LFB  | 09/21/22 7:11 | II220915-2 | 1.0013 |        | 1.033 | mg/L  | 103  | 85     | 115   |     |       |      |
| L75758-05LFM    | LFM  | 09/21/22 8:29 | II220915-2 | 1.0013 | .116   | .991  | mg/L  | 87   | 70     | 130   |     |       |      |
| L75758-05LFMD   | LFMD | 09/21/22 8:32 | II220915-2 | 1.0013 | .116   | 1.02  | mg/L  | 90   | 70     | 130   | 3   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550878</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG550878ICV     | ICV  | 09/20/22 12:14 | MS220701-3 | .05   |        | .05132 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG550878ICB     | ICB  | 09/20/22 12:16 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG550878LFB     | LFB  | 09/20/22 12:18 | MS220822-2 | .0501 |        | .05198 | mg/L  | 104  | 85       | 115     |     |       |      |
| WG550842PBW     | PBW  | 09/20/22 12:20 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L75921-01AS     | AS   | 09/20/22 12:27 | MS220822-2 | .0501 | .00113 | .0525  | mg/L  | 103  | 70       | 130     |     |       |      |
| L75921-01ASD    | ASD  | 09/20/22 12:29 | MS220822-2 | .0501 | .00113 | .05339 | mg/L  | 104  | 70       | 130     | 2   | 20    |      |

**OURAYSM**ACZ Project ID: **L75921**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550825</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG550825ICV     | ICV  | 09/19/22 13:42 | MS220701-3 | .05   |        | .04818 | mg/L  | 96   | 90       | 110     |     |       |      |
| WG550825ICB     | ICB  | 09/19/22 13:44 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG550760LRB     | LRB  | 09/19/22 13:46 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG550760LFB     | LFB  | 09/19/22 13:48 | MS220822-2 | .0501 |        | .04872 | mg/L  | 97   | 85       | 115     |     |       |      |
| L75818-02LFM    | LFM  | 09/19/22 14:31 | MS220822-2 | .0501 | U      | .05088 | mg/L  | 102  | 70       | 130     |     |       |      |
| L75818-02LFMD   | LFMD | 09/19/22 14:33 | MS220822-2 | .0501 | U      | .0507  | mg/L  | 101  | 70       | 130     | 0   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550878</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG550878ICV     | ICV  | 09/20/22 12:14 | MS220701-3 | .05   |        | .05067 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG550878ICB     | ICB  | 09/20/22 12:16 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG550878LFB     | LFB  | 09/20/22 12:18 | MS220822-2 | .0498 |        | .05274 | mg/L  | 106  | 85       | 115     |     |       |      |
| WG550842PBW     | PBW  | 09/20/22 12:20 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L75921-01AS     | AS   | 09/20/22 12:27 | MS220822-2 | .0498 | .227   | .27168 | mg/L  | 90   | 70       | 130     |     |       |      |
| L75921-01ASD    | ASD  | 09/20/22 12:29 | MS220822-2 | .0498 | .227   | .27154 | mg/L  | 89   | 70       | 130     | 0   | 20    |      |



**OURAYSM**

ACZ Project ID: **L75921**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, total**

**M1631E, Atomic Fluorescence**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG541979</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG541979ICV1    | ICV  | 05/11/22 11:12 | HG220325-4 | 10 |        | 10    | ng/L  | 100  | 79     | 121   |     |       |      |
| WG541979ICB1    | ICB  | 05/11/22 11:17 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG551450</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG551450CCV1    | CCV  | 09/27/22 10:08 | HG220913-4 | 10 |        | 10.3  | ng/L  | 103  | 76.5   | 123.4 |     |       |      |
| WG551450CCB1    | CCB  | 09/27/22 10:13 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG551450PQV     | PQV  | 09/27/22 10:17 | HG220913-6 | 1  |        | .99   | ng/L  | 99   | 70     | 130   |     |       |      |
| WG551450CCV2    | CCV  | 09/27/22 11:46 | HG220913-4 | 10 |        | 9.96  | ng/L  | 100  | 76.5   | 123.4 |     |       |      |
| WG551450CCB2    | CCB  | 09/27/22 11:51 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG551450CCV3    | CCV  | 09/27/22 14:11 | HG220913-4 | 10 |        | 9.25  | ng/L  | 93   | 76.5   | 123.4 |     |       |      |
| WG551450CCB3    | CCB  | 09/27/22 14:16 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG551450LFB1    | LFB  | 09/27/22 14:52 | HG220913-5 | 2  |        | 1.87  | ng/L  | 94   | 71     | 125   |     |       |      |
| L75921-02MS     | MS   | 09/27/22 15:15 | HG220913-5 | 2  | .59    | 2.62  | ng/L  | 102  | 71     | 125   |     |       |      |
| L75921-02MSD    | MSD  | 09/27/22 15:20 | HG220913-5 | 2  | .59    | 2.66  | ng/L  | 104  | 71     | 125   | 2   | 24    |      |
| WG551450CCV4    | CCV  | 09/27/22 15:53 | HG220913-4 | 10 |        | 10.7  | ng/L  | 107  | 76.5   | 123.4 |     |       |      |
| WG551450CCB4    | CCB  | 09/27/22 15:58 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG551450CCV5    | CCV  | 09/27/22 16:51 | HG220913-4 | 10 |        | 10.5  | ng/L  | 105  | 76.5   | 123.4 |     |       |      |
| WG551450CCB5    | CCB  | 09/27/22 16:56 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG551450LFB2    | LFB  | 09/27/22 17:29 | HG220913-5 | 2  |        | 1.95  | ng/L  | 98   | 71     | 125   |     |       |      |
| WG551450CCV6    | CCV  | 09/27/22 17:48 | HG220913-4 | 10 |        | 9.98  | ng/L  | 100  | 76.5   | 123.4 |     |       |      |
| WG551450CCB6    | CCB  | 09/27/22 17:53 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG551450CCV7    | CCV  | 09/27/22 18:22 | HG220913-4 | 10 |        | 10.2  | ng/L  | 102  | 76.5   | 123.4 |     |       |      |
| WG551450CCB7    | CCB  | 09/27/22 18:27 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG551450CCV8    | CCV  | 09/27/22 18:46 | HG220913-4 | 10 |        | 10.1  | ng/L  | 101  | 76.5   | 123.4 |     |       |      |
| WG551450CCB8    | CCB  | 09/27/22 18:50 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Mercury, total**

**M245.1 CVAA**

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550769</b> |      |                |             |         |        |        |       |      |          |         |     |       |      |
| WG550769ICV     | ICV  | 09/19/22 13:14 | HG220913-9  | .005005 |        | .00492 | mg/L  | 98   | 95       | 105     |     |       |      |
| WG550769ICB     | ICB  | 09/19/22 13:15 |             |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG550769LRB     | LRB  | 09/19/22 13:17 |             |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG550769LFB     | LFB  | 09/19/22 13:18 | HG220913-12 | .002002 |        | .00208 | mg/L  | 104  | 85       | 115     |     |       |      |
| L75869-09LFM    | LFM  | 09/19/22 13:40 | HG220913-12 | .002002 | U      | .00211 | mg/L  | 105  | 85       | 115     |     |       |      |
| L75869-09LFMD   | LFMD | 09/19/22 13:41 | HG220913-12 | .002002 | U      | .00192 | mg/L  | 96   | 85       | 115     | 9   | 20    |      |

**pH (lab)**

**SM4500H+ B**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551196</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG551196LCSW1   | LCSW | 09/22/22 19:56 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551196LCSW4   | LCSW | 09/22/22 21:48 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551196LCSW7   | LCSW | 09/23/22 0:53  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551196LCSW10  | LCSW | 09/23/22 4:16  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L75940-05DUP    | DUP  | 09/23/22 6:12  |          |    | 7.5    | 7.5   | units |      |       |       | 0   | 20    |      |
| WG551196LCSW13  | LCSW | 09/23/22 7:39  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**OURAYSM**

ACZ Project ID: **L75921**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550734</b> |      |                |           |      |        |       |       |      |       |       |     |       |      |
| WG550734PBW     | PBW  | 09/16/22 15:03 |           |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG550734LCSW    | LCSW | 09/16/22 15:05 | PCN623299 | 1000 |        | 980   | mg/L  | 98   | 80    | 120   |     |       |      |
| L75921-02DUP    | DUP  | 09/16/22 16:03 |           |      | 172    | 168   | mg/L  |      |       |       | 2   | 10    | RA   |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550696</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG550696PBW     | PBW  | 09/16/22 12:00 |           |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG550696LCSW    | LCSW | 09/16/22 12:02 | PCN623299 | 100 |        | 86    | mg/L  | 86   | 80    | 120   |     |       |      |
| L75921-01DUP    | DUP  | 09/16/22 13:00 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550878</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG550878ICV     | ICV  | 09/20/22 12:14 | MS220701-3 | .02 |        | .02017 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG550878ICB     | ICB  | 09/20/22 12:16 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG550878LFB     | LFB  | 09/20/22 12:18 | MS220822-2 | .01 |        | .01053 | mg/L  | 105  | 85       | 115     |     |       |      |
| WG550842PBW     | PBW  | 09/20/22 12:20 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L75921-01AS     | AS   | 09/20/22 12:27 | MS220822-2 | .01 | U      | .00961 | mg/L  | 96   | 70       | 130     |     |       |      |
| L75921-01ASD    | ASD  | 09/20/22 12:29 | MS220822-2 | .01 | U      | .01013 | mg/L  | 101  | 70       | 130     | 5   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG550878</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG550878ICV     | ICV  | 09/20/22 12:14 | MS220701-3 | .05     |        | .0487 | mg/L  | 97   | 90      | 110    |     |       |      |
| WG550878ICB     | ICB  | 09/20/22 12:16 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG550878LFB     | LFB  | 09/20/22 12:18 | MS220822-2 | .050075 |        | .0533 | mg/L  | 106  | 85      | 115    |     |       |      |
| WG550842PBW     | PBW  | 09/20/22 12:20 |            |         |        | .0087 | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L75921-01AS     | AS   | 09/20/22 12:27 | MS220822-2 | .050075 | .101   | .1511 | mg/L  | 100  | 70      | 130    |     |       |      |
| L75921-01ASD    | ASD  | 09/20/22 12:29 | MS220822-2 | .050075 | .101   | .1512 | mg/L  | 100  | 70      | 130    | 0   | 20    |      |

**Zinc, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG551164</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG551164ICV     | ICV  | 09/22/22 15:44 | MS220701-3 | .05     |        | .0486 | mg/L  | 97   | 90      | 110    |     |       |      |
| WG551164ICB     | ICB  | 09/22/22 15:46 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG550760LRB     | LRB  | 09/22/22 15:48 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG550760LFB     | LFB  | 09/22/22 15:50 | MS220822-2 | .050075 |        | .0523 | mg/L  | 104  | 85      | 115    |     |       |      |
| L75818-02LFM    | LFM  | 09/22/22 16:16 | MS220822-2 | .050075 | U      | .0517 | mg/L  | 103  | 70      | 130    |     |       |      |
| L75818-02LFMD   | LFMD | 09/22/22 16:18 | MS220822-2 | .050075 | U      | .0511 | mg/L  | 102  | 70      | 130    | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L75921**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|--------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75921-01 | WG550755 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/ distillation | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG550696 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|           |          |                                     | SM2540D                                    | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|           |          |                                     |                                            |      |                                                                                                                                                                       |
|           |          |                                     |                                            |      |                                                                                                                                                                       |
|           | WG550729 | Dissolved Chromium, Hexavalent      | SM3500Cr-B                                 | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|           |          |                                     | SM3500Cr-B                                 | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM3500Cr-B                                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     |                                            |      |                                                                                                                                                                       |
| L75921-02 | WG550734 | Residue, Filterable (TDS) @180C     | SM2540C                                    | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|           |          |                                     | SM2540C                                    | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM2540C                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     |                                            |      |                                                                                                                                                                       |

**Ouray Silver Mines**

ACZ Project ID: **L75921**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L75921

Date Received: 09/08/2022 11:06

Received By:

Date Printed: 9/19/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Some parameters were received past hold time.

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| 7049      | 7.8       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L75921

Date Received: 09/08/2022 11:06

Received By:

Date Printed: 9/19/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



October 31, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Poppy Staub

Project ID:

ACZ Project ID: L76164

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on September 23, 2022. This project has been assigned to ACZ's project number, L76164. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L76164. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after November 30, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.





**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L76164-01**

Date Sampled: 09/15/22 09:13

Date Received: 09/23/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/29/22 10:44 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/29/22 12:22 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 10/05/22 21:09 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00075  | B    |    | mg/L  | 0.0004  | 0.002   | 09/30/22 11:24 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00252  |      |    | mg/L  | 0.0002  | 0.001   | 09/30/22 11:24 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0236   | B    |    | mg/L  | 0.009   | 0.035   | 10/05/22 21:09 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/30/22 11:24 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 10/05/22 21:09 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000975 |      |    | mg/L  | 0.00005 | 0.00025 | 09/30/22 11:24 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 46.2     |      | *  | mg/L  | 0.1     | 0.5     | 10/05/22 21:09 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/30/22 11:24 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 1        | 0.00103  | B    |    | mg/L  | 0.0008  | 0.002   | 09/30/22 11:24 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 10/05/22 21:09 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00051  |      |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.07     |      |    | mg/L  | 0.2     | 1       | 10/10/22 23:56 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 1.10     |      |    | mg/L  | 0.01    | 0.05    | 10/05/22 21:09 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/29/22 15:10 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00406  |      |    | mg/L  | 0.0002  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 10/05/22 21:09 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.48     | B    |    | mg/L  | 0.2     | 1       | 10/05/22 21:09 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00044  |      |    | mg/L  | 0.0001  | 0.00025 | 09/30/22 11:24 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.8      |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:09 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 5.43     |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:09 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00025  | B    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 10/05/22 21:09 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.341    |      |    | mg/L  | 0.02    | 0.05    | 10/05/22 21:09 | wtc     |

### Ouray Silver Mines

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L76164-01**

Date Sampled: 09/15/22 09:13

Date Received: 09/23/22

Sample Matrix: Groundwater

#### Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 56.6   |      |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 56.6   |      | *  | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -3.4   |      |    | %        |       |      | 10/31/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 3      |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.8    |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <1     | U    |    | mg/L     | 1     | 2    | 09/27/22 10:55 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 292    |      | *  | umhos/cm | 1     | 10   | 09/28/22 4:57  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/30/22 12:22 | mrd     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.19   | B    |    | mg/L     | 0.15  | 0.35 | 10/12/22 16:08 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 124    |      |    | mg/L     | 0.2   | 5    | 10/31/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.262  |      | *  | mg/L     | 0.02  | 0.1  | 10/01/22 1:04  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.8    | H    |    | units    | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.8   |      |    | C        | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/30/22 12:58 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 196    | H    | *  | mg/L     | 20    | 40   | 09/26/22 12:09 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | 8.0    | BH   | *  | mg/L     | 5     | 20   | 09/26/22 15:22 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 87.9   |      | *  | mg/L     | 5     | 25   | 10/03/22 15:07 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 187    |      |    | mg/L     |       |      | 10/31/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.05   |      |    |          |       |      | 10/31/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L76164-02**

Date Sampled: 09/15/22 10:08

Date Received: 09/23/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/29/22 10:52 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/29/22 12:34 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 10/05/22 21:12 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00061  | B    |    | mg/L  | 0.0004  | 0.002   | 09/30/22 11:26 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00278  |      |    | mg/L  | 0.0002  | 0.001   | 09/30/22 11:26 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0261   | B    |    | mg/L  | 0.009   | 0.035   | 10/05/22 21:12 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/30/22 11:26 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 10/05/22 21:12 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.00125  |      |    | mg/L  | 0.00005 | 0.00025 | 09/30/22 11:26 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 47.3     |      | *  | mg/L  | 0.1     | 0.5     | 10/05/22 21:12 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/30/22 11:26 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/30/22 11:26 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 10/05/22 21:12 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00011  | B    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.18     |      |    | mg/L  | 0.2     | 1       | 10/11/22 0:06  | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 1.51     |      |    | mg/L  | 0.01    | 0.05    | 10/05/22 21:12 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/29/22 15:11 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00227  |      |    | mg/L  | 0.0002  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 10/05/22 21:12 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.47     | B    |    | mg/L  | 0.2     | 1       | 10/05/22 21:12 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00036  |      |    | mg/L  | 0.0001  | 0.00025 | 09/30/22 11:26 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.6      |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:12 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 5.70     |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:12 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00025  | B    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 10/05/22 21:12 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.427    |      |    | mg/L  | 0.02    | 0.05    | 10/05/22 21:12 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L76164-02**

Date Sampled: 09/15/22 10:08

Date Received: 09/23/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 58.4   |      |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 58.4   |      | *  | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -4.9   |      |    | %        |       |      | 10/31/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 3.2    |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.9    |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <1     | U    |    | mg/L     | 1     | 2    | 09/27/22 10:55 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 304    |      | *  | umhos/cm | 1     | 10   | 09/28/22 5:04  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/30/22 12:23 | mrdr    |
| Fluoride                                  | SM4500F-C                             | 1        | 0.17   | B    |    | mg/L     | 0.15  | 0.35 | 10/12/22 16:16 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 127    |      |    | mg/L     | 0.2   | 5    | 10/31/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.283  |      | *  | mg/L     | 0.02  | 0.1  | 10/01/22 1:05  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.8    | H    |    | units    | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.8   |      |    | C        | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/30/22 13:00 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 204    | H    | *  | mg/L     | 20    | 40   | 09/26/22 12:12 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/26/22 15:24 | mrbr    |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 96.3   |      | *  | mg/L     | 5     | 25   | 10/03/22 15:07 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 198    |      |    | mg/L     |       |      | 10/31/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.03   |      |    |          |       |      | 10/31/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L76164-03**

Date Sampled: 09/15/22 10:41

Date Received: 09/23/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/29/22 11:09 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/29/22 12:47 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 10/05/22 21:16 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00189  | B    |    | mg/L  | 0.0004  | 0.002   | 09/30/22 11:33 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00431  |      |    | mg/L  | 0.0002  | 0.001   | 09/30/22 11:33 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0244   | B    |    | mg/L  | 0.009   | 0.035   | 10/05/22 21:16 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | 0.000091 | B    |    | mg/L  | 0.00008 | 0.00025 | 09/30/22 11:33 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 10/05/22 21:16 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.00575  |      |    | mg/L  | 0.00005 | 0.00025 | 09/30/22 11:33 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 68.2     |      | *  | mg/L  | 0.1     | 0.5     | 10/05/22 21:16 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/30/22 11:33 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 1        | 0.00450  |      |    | mg/L  | 0.0008  | 0.002   | 09/30/22 11:33 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | 0.063    | B    |    | mg/L  | 0.06    | 0.15    | 10/05/22 21:16 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00053  |      |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 4.36     |      |    | mg/L  | 0.2     | 1       | 10/11/22 0:09  | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 7.81     |      |    | mg/L  | 0.01    | 0.05    | 10/05/22 21:16 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/29/22 15:12 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00620  |      |    | mg/L  | 0.0002  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 10/05/22 21:16 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 1.03     |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:16 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00041  |      |    | mg/L  | 0.0001  | 0.00025 | 09/30/22 11:33 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.1      |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:16 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 12.0     |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:16 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00057  |      |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 10/05/22 21:16 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 1.97     |      |    | mg/L  | 0.02    | 0.05    | 10/05/22 21:16 | wtc     |

### Ouray Silver Mines

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L76164-03**

Date Sampled: 09/15/22 10:41

Date Received: 09/23/22

Sample Matrix: Groundwater

#### Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 69.5   |      |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 69.5   |      |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 10/31/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 5      |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 5      |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.14   | B    |    | mg/L     | 1     | 2    | 09/27/22 10:56 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 469    |      |    | umhos/cm | 1     | 10   | 09/28/22 5:11  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/30/22 12:24 | mrd     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.37   |      |    | mg/L     | 0.15  | 0.35 | 10/12/22 16:23 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 188    |      |    | mg/L     | 0.2   | 5    | 10/31/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.358  |      | *  | mg/L     | 0.02  | 0.1  | 10/01/22 1:06  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.9    | H    |    | units    | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.7   |      |    | C        | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/30/22 13:02 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 320    | H    | *  | mg/L     | 20    | 40   | 09/26/22 12:15 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/26/22 15:27 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 167    |      | *  | mg/L     | 5     | 25   | 10/03/22 15:07 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 317    |      |    | mg/L     |       |      | 10/31/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.01   |      |    |          |       |      | 10/31/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L76164-04**

Date Sampled: 09/15/22 11:37

Date Received: 09/23/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 10/28/11 11:05 | scp     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 09/28/22 11:28 | wgm     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 09/29/22 18:58 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 09/29/22 15:55 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000190 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/05/22 10:05 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/05/22 10:05 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 10/04/22 0:50  | wtc     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00040  | B    |    | mg/L  | 0.0001  | 0.0005  | 10/05/22 10:05 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00117  |      |    | mg/L  | 0.0001  | 0.0005  | 10/03/22 11:21 | kja     |
| Manganese, potentially<br>dissolved | M200.8 ICP-MS | 1        | 0.235    |      |    | mg/L  | 0.0004  | 0.002   | 10/05/22 10:05 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/29/22 13:10 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/05/22 10:05 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0908   |      |    | mg/L  | 0.006   | 0.015   | 10/28/22 20:48 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 09/28/22 15:16 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.0    | H    |    | units | 0.1   | 0.1  | 10/01/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 21.0   |      |    | C     | 0.1   | 0.1  | 10/01/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | 5.0    | BH   | *  | mg/L  | 5     | 20   | 09/26/22 9:59  | svm     |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>



**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551456</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG551456PBW1    | PBW  | 09/27/22 16:33 |            |          |        | 19.6  | mg/L  |      | -20   | 20    |     |       |      |
| WG551456LCSW3   | LCSW | 09/27/22 16:52 | WC220916-1 | 820.0001 |        | 766.8 | mg/L  | 94   | 90    | 110   |     |       |      |
| WG551456LCSW6   | LCSW | 09/27/22 19:42 | WC220916-1 | 820.0001 |        | 772   | mg/L  | 94   | 90    | 110   |     |       |      |
| WG551456PBW2    | PBW  | 09/27/22 19:49 |            |          |        | 7.7   | mg/L  |      | -20   | 20    |     |       |      |
| WG551456LCSW9   | LCSW | 09/27/22 22:37 | WC220916-1 | 820.0001 |        | 775.5 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG551456PBW3    | PBW  | 09/27/22 22:45 |            |          |        | 7.9   | mg/L  |      | -20   | 20    |     |       |      |
| WG551456LCSW12  | LCSW | 09/28/22 2:23  | WC220916-1 | 820.0001 |        | 768.9 | mg/L  | 94   | 90    | 110   |     |       |      |
| WG551456PBW4    | PBW  | 09/28/22 2:31  |            |          |        | 7.5   | mg/L  |      | -20   | 20    |     |       |      |
| L76078-07DUP    | DUP  | 09/28/22 3:54  |            |          | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L76164-03DUP    | DUP  | 09/28/22 5:18  |            |          | 69.5   | 67.7  | mg/L  |      |       |       | 3   | 20    |      |
| WG551456LCSW15  | LCSW | 09/28/22 5:37  | WC220916-1 | 820.0001 |        | 786.6 | mg/L  | 96   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2      |        | 1.929 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 1.0008 |        | .97   | mg/L  | 97   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 1.0008 | U      | .982  | mg/L  | 98   | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 1.0008 | U      | .962  | mg/L  | 96   | 85    | 115   | 2   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .0201 |        | .01804 | mg/L  | 90   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |       |        | .00043 | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .01   |        | .00983 | mg/L  | 98   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .01   | .00061 | .0102  | mg/L  | 96   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .01   | .00061 | .00965 | mg/L  | 90   | 70       | 130     | 6   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05    |        | .04769 | mg/L  | 95   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05005 |        | .04764 | mg/L  | 95   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05005 | .00278 | .05501 | mg/L  | 104  | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05005 | .00278 | .04956 | mg/L  | 93   | 70       | 130     | 10  | 20    |      |

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |      |        |       |       |      |        |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2    |        | 1.918 | mg/L  | 96   | 95     | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |      |        | U     | mg/L  |      | -0.027 | 0.027 |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .502 |        | .4781 | mg/L  | 95   | 85     | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .502 | .13    | .6143 | mg/L  | 96   | 85     | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .502 | .13    | .6055 | mg/L  | 95   | 85     | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG551657</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05    |        | .04814  | mg/L  | 96   | 90        | 110      |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05005 |        | .048306 | mg/L  | 97   | 85        | 115      |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05005 | U      | .052419 | mg/L  | 105  | 70        | 130      |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05005 | U      | .048056 | mg/L  | 96   | 70        | 130      | 9   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2     |        | 1.954 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .5005 |        | .497  | mg/L  | 99   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .5005 | .069   | .579  | mg/L  | 102  | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .5005 | .069   | .573  | mg/L  | 101  | 85    | 115   | 1   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05    |        | .046416 | mg/L  | 93   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05005 |        | .046733 | mg/L  | 93   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05005 | .00125 | .052204 | mg/L  | 102  | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05005 | .00125 | .048191 | mg/L  | 94   | 70       | 130     | 8   | 20    |      |

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .05    |        | .050749 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .05005 |        | .046636 | mg/L  | 93   | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .05005 | U      | .047638 | mg/L  | 95   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .05005 | U      | .043588 | mg/L  | 87   | 70       | 130     | 9   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 100      |        | 95.94 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 67.98862 |        | 65.45 | mg/L  | 96   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 67.98862 | 142    | 195.6 | mg/L  | 79   | 85    | 115   |     |       | M2   |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 67.98862 | 142    | 196.7 | mg/L  | 80   | 85    | 115   | 1   | 20    | M2   |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551385</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG551385ICB     | ICB  | 09/27/22 9:06  |             |        |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG551385ICV     | ICV  | 09/27/22 9:06  | WI220502-12 | 54.945 |        | 56.21 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG551385LFB     | LFB  | 09/27/22 10:53 | WI220328-1  | 29.97  |        | 32.66 | mg/L  | 109  | 90    | 110   |     |       |      |
| L76158-07AS     | AS   | 09/27/22 10:55 | WI220328-1  | 29.97  | 15.8   | 48.06 | mg/L  | 108  | 90    | 110   |     |       |      |
| L76158-08DUP    | DUP  | 09/27/22 10:55 |             |        | 99.2   | 99.2  | mg/L  |      |       |       | 0   | 20    |      |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG551657</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05   |        | .04721 | mg/L  | 94   | 90      | 110    |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .0501 |        | .04576 | mg/L  | 91   | 85      | 115    |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .0501 | U      | .04654 | mg/L  | 93   | 70      | 130    |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .0501 | U      | .04209 | mg/L  | 84   | 70      | 130    | 10  | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG551456</b> |      |                |           |      |        |       |          |      |       |       |     |       |      |
| WG551456LCSW2   | LCSW | 09/27/22 16:39 | PCN623318 | 1409 |        | 1462  | umhos/cm | 104  | 90    | 110   |     |       |      |
| WG551456LCSW5   | LCSW | 09/27/22 19:28 | PCN623318 | 1409 |        | 1443  | umhos/cm | 102  | 90    | 110   |     |       |      |
| WG551456LCSW8   | LCSW | 09/27/22 22:23 | PCN623318 | 1409 |        | 1428  | umhos/cm | 101  | 90    | 110   |     |       |      |
| WG551456LCSW11  | LCSW | 09/28/22 2:11  | PCN623318 | 1409 |        | 1423  | umhos/cm | 101  | 90    | 110   |     |       |      |
| L76078-07DUP    | DUP  | 09/28/22 3:54  |           |      | U      | U     | umhos/cm |      |       |       | 0   | 20    | RA   |
| L76164-03DUP    | DUP  | 09/28/22 5:18  |           |      | 469    | 469   | umhos/cm |      |       |       | 0   | 20    |      |
| WG551456LCSW14  | LCSW | 09/28/22 5:23  | PCN623318 | 1409 |        | 1407  | umhos/cm | 100  | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05 |        | .04893 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05 |        | .04632 | mg/L  | 93   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05 | U      | .04595 | mg/L  | 92   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05 | U      | .04195 | mg/L  | 84   | 70       | 130     | 9   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .05 |        | .05174 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .05 |        | .04686 | mg/L  | 94   | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .05 | .00303 | .04503 | mg/L  | 84   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .05 | .00303 | .04198 | mg/L  | 78   | 70       | 130     | 7   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG551734</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG551734ICV     | ICV  | 09/30/22 12:16 | WI220928-5 | .3003 |        | .2926 | mg/L  | 97   | 90     | 110   |     |       |      |
| WG551734ICB     | ICB  | 09/30/22 12:16 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG551608LRB     | LRB  | 09/30/22 12:17 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG551608LFB     | LFB  | 09/30/22 12:18 | WI220927-2 | .2    |        | .2197 | mg/L  | 110  | 90     | 110   |     |       |      |
| L76164-02DUP    | DUP  | 09/30/22 12:23 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L76186-02LFM    | LFM  | 09/30/22 12:29 | WI220927-2 | .2    | U      | .2163 | mg/L  | 108  | 90     | 110   |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG551559</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG551559ICV     | ICV  | 09/28/22 14:58 | WI220928-5 | .3003 |        | .3009 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG551559ICB     | ICB  | 09/28/22 14:59 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG551499LRB     | LRB  | 09/28/22 14:59 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG551499LFB     | LFB  | 09/28/22 15:00 | WI220928-4 | .2002 |        | .1956 | mg/L  | 98   | 90     | 110   |     |       |      |
| L76187-01DUP    | DUP  | 09/28/22 15:18 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L76188-03LFM    | LFM  | 09/28/22 15:25 | WI220928-4 | .2002 | U      | .137  | mg/L  | 68   | 90     | 110   |     |       | M2   |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552559</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG552559ICV     | ICV  | 10/12/22 10:52 | WC221006-4 | 2.008 |        | 2.07  | mg/L  | 103  | 90    | 110   |     |       |      |
| WG552559ICB     | ICB  | 10/12/22 10:59 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG552559LFB1    | LFB  | 10/12/22 11:10 | WC221011-2 | 5.02  |        | 5.17  | mg/L  | 103  | 90    | 110   |     |       |      |
| WG552559LFB2    | LFB  | 10/12/22 14:48 | WC221011-2 | 5.02  |        | 5.34  | mg/L  | 106  | 90    | 110   |     |       |      |
| L75937-02AS     | AS   | 10/12/22 15:04 | WC221011-2 | 5.02  | 1.23   | 6.37  | mg/L  | 102  | 90    | 110   |     |       |      |
| L75937-02ASD    | ASD  | 10/12/22 15:12 | WC221011-2 | 5.02  | 1.23   | 6.46  | mg/L  | 104  | 90    | 110   | 1   | 20    |      |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2      |        | 1.938 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 1.0013 |        | .972  | mg/L  | 97   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 1.0013 | U      | 1.026 | mg/L  | 102  | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 1.0013 | U      | 1.001 | mg/L  | 100  | 85    | 115   | 2   | 20    |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG551792</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG551792ICV     | ICV  | 10/03/22 23:52 | II220927-1 | 2      |        | 2.007 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG551792ICB     | ICB  | 10/04/22 0:00  |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG551612LRB     | LRB  | 10/04/22 0:15  |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG551612LFB     | LFB  | 10/04/22 0:19  | II220915-2 | 1.0013 |        | 1.032 | mg/L  | 103  | 85     | 115   |     |       |      |
| L76170-01LFM    | LFM  | 10/04/22 1:06  | II220915-2 | 1.0013 | .072   | 1.062 | mg/L  | 99   | 70     | 130   |     |       |      |
| L76170-01LFMD   | LFMD | 10/04/22 1:09  | II220915-2 | 1.0013 | .072   | 1.08  | mg/L  | 101  | 70     | 130   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05   |        | .04666 | mg/L  | 93   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .0501 |        | .04641 | mg/L  | 93   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .0501 | .00011 | .04967 | mg/L  | 99   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .0501 | .00011 | .04606 | mg/L  | 92   | 70       | 130     | 8   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .05   |        | .05178 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .0501 |        | .04699 | mg/L  | 94   | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .0501 | .00038 | .04846 | mg/L  | 96   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .0501 | .00038 | .04445 | mg/L  | 88   | 70       | 130     | 9   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551810</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551810ICV     | ICV  | 10/03/22 10:36 | MS220930-3 | .05   |        | .05124 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG551810ICB     | ICB  | 10/03/22 10:37 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG551651LRB     | LRB  | 10/03/22 10:39 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551651LFB     | LFB  | 10/03/22 10:41 | MS220822-2 | .0501 |        | .04969 | mg/L  | 99   | 85       | 115     |     |       |      |
| L76169-01LFM    | LFM  | 10/03/22 11:24 | MS220822-2 | .0501 | .00021 | .05137 | mg/L  | 102  | 70       | 130     |     |       |      |
| L76169-01LFMD   | LFMD | 10/03/22 11:26 | MS220822-2 | .0501 | .00021 | .05473 | mg/L  | 109  | 70       | 130     | 6   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552389</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG552389ICV     | ICV  | 10/10/22 22:20 | II221010-3 | 100      |        | 95.4  | mg/L  | 95   | 95    | 105   |     |       |      |
| WG552389ICB     | ICB  | 10/10/22 22:26 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG552389LFB     | LFB  | 10/10/22 22:39 | II221008-2 | 49.99809 |        | 47.9  | mg/L  | 96   | 85    | 115   |     |       |      |
| L76164-01AS     | AS   | 10/10/22 23:59 | II221008-2 | 49.99809 | 2.07   | 51.34 | mg/L  | 99   | 85    | 115   |     |       |      |
| L76164-01ASD    | ASD  | 10/11/22 0:03  | II221008-2 | 49.99809 | 2.07   | 51.39 | mg/L  | 99   | 85    | 115   | 0   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2    |        | 1.898 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .499 |        | .483  | mg/L  | 97   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .499 | .09    | .583  | mg/L  | 99   | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .499 | .09    | .57   | mg/L  | 96   | 85    | 115   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .05   |        | .05251 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .0498 |        | .04805 | mg/L  | 96   | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .0498 | .0184  | .06455 | mg/L  | 93   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .0498 | .0184  | .06043 | mg/L  | 84   | 70       | 130     | 7   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551488</b> |      |                |             |         |        |        |       |      |          |         |     |       |      |
| WG551488ICV1    | ICV  | 09/29/22 9:50  | HG220913-9  | .005005 |        | .00494 | mg/L  | 99   | 95       | 105     |     |       |      |
| WG551488ICB     | ICB  | 09/29/22 9:51  |             |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG551609</b> |      |                |             |         |        |        |       |      |          |         |     |       |      |
| WG551609LRB     | LRB  | 09/29/22 14:57 |             |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG551609LFB     | LFB  | 09/29/22 14:58 | HG220913-12 | .002002 |        | .002   | mg/L  | 100  | 85       | 115     |     |       |      |
| L75947-01LFM    | LFM  | 09/29/22 15:00 | HG220913-12 | .002002 | U      | .00197 | mg/L  | 98   | 85       | 115     |     |       |      |
| L75947-01LFMD   | LFMD | 09/29/22 15:01 | HG220913-12 | .002002 | U      | .00203 | mg/L  | 101  | 85       | 115     | 3   | 20    |      |
| L76164-03LFM    | LFM  | 09/29/22 15:13 | HG220913-12 | .002002 | U      | .00199 | mg/L  | 99   | 85       | 115     |     |       |      |
| L76164-03LFMD   | LFMD | 09/29/22 15:14 | HG220913-12 | .002002 | U      | .00201 | mg/L  | 100  | 85       | 115     | 1   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551488</b> |      |                |             |         |        |        |       |      |          |         |     |       |      |
| WG551488ICV1    | ICV  | 09/29/22 9:50  | HG220913-9  | .005005 |        | .00494 | mg/L  | 99   | 95       | 105     |     |       |      |
| WG551488ICB     | ICB  | 09/29/22 9:51  |             |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG551548</b> |      |                |             |         |        |        |       |      |          |         |     |       |      |
| WG551548LRB     | LRB  | 09/29/22 12:47 |             |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG551548LFB     | LFB  | 09/29/22 12:48 | HG220913-12 | .002002 |        | .0019  | mg/L  | 95   | 85       | 115     |     |       |      |
| L76158-08LFM    | LFM  | 09/29/22 13:03 | HG220913-12 | .002002 | U      | .0019  | mg/L  | 95   | 85       | 115     |     |       |      |
| L76158-08LFMD   | LFMD | 09/29/22 13:04 | HG220913-12 | .002002 | U      | .00192 | mg/L  | 96   | 85       | 115     | 1   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .02    |        | .01836 | mg/L  | 92   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05005 |        | .04554 | mg/L  | 91   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05005 | .00227 | .05054 | mg/L  | 96   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05005 | .00227 | .04602 | mg/L  | 87   | 70       | 130     | 9   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |      |        |        |       |      |        |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2    |        | 1.8932 | mg/L  | 95   | 95     | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |      |        | U      | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .502 |        | .4782  | mg/L  | 95   | 85     | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .502 | U      | .4807  | mg/L  | 96   | 85     | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .502 | U      | .4789  | mg/L  | 95   | 85     | 115   | 0   | 20    |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551782</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG551782ICV     | ICV  | 09/30/22 22:21 | WI220903-1 | 2.416 |        | 2.384 | mg/L  | 99   | 90    | 110   |     |       |      |
| WG551782ICB     | ICB  | 09/30/22 22:23 |            |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG551785</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG551785LFB     | LFB  | 10/01/22 0:27  | WI220826-7 | 2     |        | 2.058 | mg/L  | 103  | 90    | 110   |     |       |      |
| L75916-01DUP    | DUP  | 10/01/22 0:53  |            |       | .043   | .042  | mg/L  |      |       |       | 2   | 20    | RA   |
| L75916-01AS     | AS   | 10/01/22 0:54  | WI220826-7 | 2     | .043   | 2.11  | mg/L  | 103  | 90    | 110   |     |       |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551456</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG551456LCSW1   | LCSW | 09/27/22 16:37 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551456LCSW4   | LCSW | 09/27/22 19:26 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551456LCSW7   | LCSW | 09/27/22 22:22 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551456LCSW10  | LCSW | 09/28/22 2:09  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L76078-07DUP    | DUP  | 09/28/22 3:54  |          |    | 6.1    | 5.7   | units |      |       |       | 7   | 20    |      |
| L76164-03DUP    | DUP  | 09/28/22 5:18  |          |    | 6.9    | 6.8   | units |      |       |       | 1   | 20    |      |
| WG551456LCSW13  | LCSW | 09/28/22 5:22  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| <b>WG551788</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG551788LCSW1   | LCSW | 10/01/22 12:44 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551788LCSW4   | LCSW | 10/01/22 15:13 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551788LCSW7   | LCSW | 10/01/22 17:32 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551788LCSW10  | LCSW | 10/01/22 19:58 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L76188-02DUP    | DUP  | 10/01/22 21:47 |          |    | 7.1    | 7     | units |      |       |       | 1   | 20    |      |
| WG551788LCSW13  | LCSW | 10/01/22 23:27 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551710</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG551710ICV     | ICV  | 09/30/22 9:18  | WI220818-6 | .65228 |        | .609  | mg/L  | 93   | 90    | 110   |     |       |      |
| WG551710ICB     | ICB  | 09/30/22 9:20  |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| <b>WG551735</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG551627LRB     | LRB  | 09/30/22 12:39 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG551627LFB     | LFB  | 09/30/22 12:41 | WI220917-2 | .5     |        | .47   | mg/L  | 94   | 90    | 110   |     |       |      |
| L76164-01LFM    | LFM  | 09/30/22 12:59 | WI220917-2 | .5     | U      | .484  | mg/L  | 97   | 90    | 110   |     |       |      |
| L76164-02DUP    | DUP  | 09/30/22 13:01 |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 20       |        | 18.9  | mg/L  | 95   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 99.95798 |        | 94.89 | mg/L  | 95   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 99.95798 | 24.1   | 119.5 | mg/L  | 95   | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 99.95798 | 24.1   | 119.5 | mg/L  | 95   | 85    | 115   | 0   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551341</b> |      |                |           |      |        |       |       |      |       |       |     |       |      |
| WG551341PBW     | PBW  | 09/26/22 11:15 |           |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG551341LCSW    | LCSW | 09/26/22 11:17 | PCN623297 | 1000 |        | 972   | mg/L  | 97   | 80    | 120   |     |       |      |
| L76130-01DUP    | DUP  | 09/26/22 11:54 |           |      | 448    | 452   | mg/L  |      |       |       | 1   | 10    |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551326</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG551326PBW     | PBW  | 09/26/22 9:02  |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG551326LCSW    | LCSW | 09/26/22 9:04  | PCN623296 | 100 |        | 101   | mg/L  | 101  | 80    | 120   |     |       |      |
| L76164-04DUP    | DUP  | 09/26/22 10:02 |           |     | 5      | U     | mg/L  |      |       |       | 200 | 10    | RA   |
| <b>WG551366</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG551366PBW     | PBW  | 09/26/22 14:30 |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG551366LCSW    | LCSW | 09/26/22 14:32 | PCN623296 | 100 |        | 102   | mg/L  | 102  | 80    | 120   |     |       |      |
| L76164-03DUP    | DUP  | 09/26/22 15:30 |           |     | U      | 8     | mg/L  |      |       |       | 200 | 10    | RA   |

**Selenium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05 |        | .04768 | mg/L  | 95   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | .00012 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05 |        | .0467  | mg/L  | 93   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05 | .00036 | .05622 | mg/L  | 112  | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05 | .00036 | .0506  | mg/L  | 100  | 70       | 130     | 11  | 20    |      |

**Silica, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 42.8   |        | 41.7  | mg/L  | 97   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 21.404 |        | 21.37 | mg/L  | 100  | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 21.404 | 5.6    | 27.36 | mg/L  | 102  | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 21.404 | 5.6    | 26.94 | mg/L  | 100  | 85    | 115   | 2   | 20    |      |



**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .02 |        | .01878 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .01 |        | .00997 | mg/L  | 100  | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .01 | U      | .0098  | mg/L  | 98   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .01 | U      | .00892 | mg/L  | 89   | 70       | 130     | 9   | 20    |      |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .02 |        | .02137 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .01 |        | .0107  | mg/L  | 107  | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .01 | U      | .00908 | mg/L  | 91   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .01 | U      | .00854 | mg/L  | 85   | 70       | 130     | 6   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 100      |        | 94.7  | mg/L  | 95   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 100.0023 |        | 93.6  | mg/L  | 94   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 100.0023 | 12.1   | 106.9 | mg/L  | 95   | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 100.0023 | 12.1   | 106.4 | mg/L  | 94   | 85    | 115   | 0   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551797</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG551797ICB     | ICB  | 10/03/22 12:53 |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG551797ICV     | ICV  | 10/03/22 12:53 | WI220930-2 | 19.54 |        | 19.8  | mg/L  | 101  | 90    | 110   |     |       |      |
| WG551797LFB     | LFB  | 10/03/22 14:28 | WI220830-3 | 10    |        | 9.7   | mg/L  | 97   | 90    | 110   |     |       |      |
| L76161-01AS     | AS   | 10/03/22 15:07 | SO4TURB5X  | 10    | 34.5   | 45.6  | mg/L  | 111  | 90    | 110   |     |       | M1   |
| L76044-03DUP    | DUP  | 10/03/22 15:54 |            |       | 822    | 819   | mg/L  |      |       |       | 0   | 20    |      |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05 |        | .04931 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05 |        | .04822 | mg/L  | 96   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05 | U      | .04963 | mg/L  | 99   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05 | U      | .04684 | mg/L  | 94   | 70       | 130     | 6   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05 |        | .04713 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05 |        | .04762 | mg/L  | 95   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05 | .00025 | .05277 | mg/L  | 105  | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05 | .00025 | .04894 | mg/L  | 97   | 70       | 130     | 8   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2     |        | 1.98  | mg/L  | 99   | 95     | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .5005 |        | .4967 | mg/L  | 99   | 85     | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .5005 | U      | .5003 | mg/L  | 100  | 85     | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .5005 | U      | .494  | mg/L  | 99   | 85     | 115   | 1   | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2      |        | 1.92  | mg/L  | 96   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .50045 |        | .508  | mg/L  | 102  | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .50045 | U      | .525  | mg/L  | 105  | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .50045 | U      | .518  | mg/L  | 104  | 85    | 115   | 1   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG553860</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05     |        | .0494 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .050075 |        | .0481 | mg/L  | 96   | 85      | 115    |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |         |        | .0129 | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .050075 | .0129  | .0603 | mg/L  | 95   | 70      | 130    |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .050075 | .0129  | .0582 | mg/L  | 90   | 70      | 130    | 4   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L76164**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                               | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L76164-01</b> | WG552030 | Calcium, dissolved                  | M200.7 ICP                           | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG551456 | Conductivity @25C                   | SM2510B                              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551734 | Cyanide, total                      | M335.4 - Colorimetric w/             | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|                  |          |                                     | M335.4 - Colorimetric w/             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551785 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551735 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest) | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551341 | Residue, Filterable (TDS) @180C     | SM2540C                              | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG551366 | Residue, Non-Filterable (TSS) @105C | SM2540D                              | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551797 | Sulfate                             | SM2540D                              | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
| <b>L76164-02</b> | WG551456 | Total Alkalinity                    | SM2320B - Titration                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG552030 | Calcium, dissolved                  | M200.7 ICP                           | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG551456 | Conductivity @25C                   | SM2510B                              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551734 | Cyanide, total                      | M335.4 - Colorimetric w/             | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|                  |          |                                     | M335.4 - Colorimetric w/             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551785 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551735 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest) | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551341 | Residue, Filterable (TDS) @180C     | SM2540C                              | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG551366 | Residue, Non-Filterable (TSS) @105C | SM2540D                              | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
| <b>L76164-03</b> | WG551797 | Sulfate                             | SM2540D                              | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
|                  | WG551456 | Total Alkalinity                    | SM2320B - Titration                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |

**Ouray Silver Mines**

ACZ Project ID: **L76164**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L76164-03</b> | WG552030 | Calcium, dissolved                  | M200.7 ICP                                 | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG551734 | Cyanide, total                      | M335.4 - Colorimetric w/                   | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|                  |          |                                     | M335.4 - Colorimetric w/                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551785 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551735 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551341 | Residue, Filterable (TDS) @180C     | SM2540C                                    | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG551366 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG551797 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC            | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
| <b>L76164-04</b> | WG551559 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/ distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  |          |                                     | SM4500-CN I,E-Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551326 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L76164**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L76164

Date Received: 09/23/2022 12:49

Received By:

Date Printed: 9/26/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Some parameters were received past hold time.

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| 7221      | 4.3       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L76164

Date Received: 09/23/2022 12:49

Received By:

Date Printed: 9/26/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).





November 03, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L76711

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 05, 2022. This project has been assigned to ACZ's project number, L76711. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L76711. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after December 03, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L76711-01**

Date Sampled: 10/04/22 08:32

Date Received: 10/05/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 10/28/11 11:21 | scp     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 10/18/22 13:30 | mrdr    |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 10/18/22 13:50 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 10/19/22 15:39 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000249 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/28/22 21:01 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | 0.00115  | B    |    | mg/L  | 0.0008  | 0.002   | 10/28/22 21:01 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 10/24/22 13:23 | wtc     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00097  |      |    | mg/L  | 0.0001  | 0.0005  | 10/28/22 21:01 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00114  |      |    | mg/L  | 0.0001  | 0.0005  | 10/19/22 23:14 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.257    |      |    | mg/L  | 0.0004  | 0.002   | 10/28/22 21:01 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 10/20/22 12:12 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 11/03/22 9:13  | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.115    |      |    | mg/L  | 0.006   | 0.015   | 10/28/22 21:01 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 10/18/22 16:28 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.0    | H    |    | units | 0.1   | 0.1  | 10/20/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.0   |      |    | C     | 0.1   | 0.1  | 10/20/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | UH   | *  | mg/L  | 5     | 20   | 10/19/22 15:57 | svm     |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L76711**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG553860</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05    |         | .051509 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .05005 |         | .049639 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .05005 | .000101 | .050243 | mg/L  | 100  | 70       | 130     |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .05005 | .000101 | .049087 | mg/L  | 98   | 70       | 130     | 2   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553860</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05 |        | .0516  | mg/L  | 103  | 90       | 110     |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .05 |        | .04881 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .05 | .0113  | .05839 | mg/L  | 94   | 70       | 130     |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .05 | .0113  | .05573 | mg/L  | 89   | 70       | 130     | 5   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG553050</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG553050ICV     | ICV  | 10/18/22 16:01 | WI221012-6 | .3003 |        | .2897 | mg/L  | 96   | 90     | 110   |     |       |      |
| WG553050ICB     | ICB  | 10/18/22 16:02 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG552968LRB     | LRB  | 10/18/22 16:03 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG552968LFB     | LFB  | 10/18/22 16:04 | WI221012-5 | .2002 |        | .1944 | mg/L  | 97   | 90     | 110   |     |       |      |
| L76634-04DUP    | DUP  | 10/18/22 16:18 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L76643-01LFM    | LFM  | 10/18/22 16:27 | WI221012-5 | .2002 | U      | .1878 | mg/L  | 94   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG553389</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG553389ICV     | ICV  | 10/24/22 12:40 | II221010-3 | 2      |        | 1.997 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG553389ICB     | ICB  | 10/24/22 12:46 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG553077LRB     | LRB  | 10/24/22 12:59 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG553077LFB     | LFB  | 10/24/22 13:02 | II221013-2 | 1.0013 |        | .997  | mg/L  | 100  | 85     | 115   |     |       |      |
| L76710-02LFM    | LFM  | 10/24/22 13:14 | II221013-2 | 1.0013 | .136   | 1.138 | mg/L  | 100  | 70     | 130   |     |       |      |
| L76710-02LFMD   | LFMD | 10/24/22 13:17 | II221013-2 | 1.0013 | .136   | 1.139 | mg/L  | 100  | 70     | 130   | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76711**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553860</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05   |        | .05153 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .0501 |        | .04953 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .0501 | .00031 | .05189 | mg/L  | 103  | 70       | 130     |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .0501 | .00031 | .0508  | mg/L  | 101  | 70       | 130     | 2   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553169</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553169ICV     | ICV  | 10/19/22 22:17 | MS220930-3 | .05   |        | .05185 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG553169ICB     | ICB  | 10/19/22 22:19 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG552962LRB     | LRB  | 10/19/22 22:21 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG552962LFB     | LFB  | 10/19/22 22:23 | MS221012-7 | .0501 |        | .04893 | mg/L  | 98   | 85       | 115     |     |       |      |
| L76648-04LFM    | LFM  | 10/19/22 23:09 | MS221012-7 | .0501 | .00032 | .05008 | mg/L  | 99   | 70       | 130     |     |       |      |
| L76648-04LFMD   | LFMD | 10/19/22 23:10 | MS221012-7 | .0501 | .00032 | .0509  | mg/L  | 101  | 70       | 130     | 2   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553860</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05   |        | .05192 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .0498 |        | .05036 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .0498 | .0335  | .08344 | mg/L  | 100  | 70       | 130     |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .0498 | .0335  | .08165 | mg/L  | 97   | 70       | 130     | 2   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553145</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG553145ICV1    | ICV  | 10/20/22 11:10 | HG221017-3 | .005005 |        | .0051  | mg/L  | 102  | 95       | 105     |     |       |      |
| WG553145ICB     | ICB  | 10/20/22 11:11 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG553146</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG553146LRB     | LRB  | 10/20/22 11:47 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG553146LFB     | LFB  | 10/20/22 11:48 | HG221017-6 | .002002 |        | .00194 | mg/L  | 97   | 85       | 115     |     |       |      |
| L76711-01LFM    | LFM  | 10/20/22 12:13 | HG221017-6 | .002002 | U      | .00203 | mg/L  | 101  | 85       | 115     |     |       |      |
| L76711-01LFMD   | LFMD | 10/20/22 12:14 | HG221017-6 | .002002 | U      | .00198 | mg/L  | 99   | 85       | 115     | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76711**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553186</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG553186LCSW1   | LCSW | 10/19/22 21:42 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG553186LCSW4   | LCSW | 10/20/22 0:04  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG553186LCSW7   | LCSW | 10/20/22 2:36  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG553186LCSW10  | LCSW | 10/20/22 5:19  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG553186LCSW13  | LCSW | 10/20/22 11:25 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L76711-01DUP    | DUP  | 10/20/22 12:58 |          |    | 7      | 7     | units |      |       |       | 0   | 20    |      |
| WG553186LCSW16  | LCSW | 10/20/22 13:03 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553173</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG553173PBW     | PBW  | 10/19/22 15:29 |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG553173LCSW    | LCSW | 10/19/22 15:31 | PCN623507 | 100 |        | 96    | mg/L  | 96   | 80    | 120   |     |       |      |
| L76711-01DUP    | DUP  | 10/19/22 16:00 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG554173</b> |      |               |            |     |        |        |       |      |          |         |     |       |      |
| WG554173ICV     | ICV  | 11/03/22 8:59 | MS220930-3 | .02 |        | .02059 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG554173ICB     | ICB  | 11/03/22 9:01 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG554173LFB     | LFB  | 11/03/22 9:09 | MS221101-6 | .01 |        | .00876 | mg/L  | 88   | 85       | 115     |     |       |      |
| WG553855PBW     | PBW  | 11/03/22 9:11 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG553987PBW     | PBW  | 11/03/22 9:18 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L76946-01AS     | AS   | 11/03/22 9:22 | MS221101-6 | .01 | U      | .00823 | mg/L  | 82   | 70       | 130     |     |       |      |
| L76946-01ASD    | ASD  | 11/03/22 9:24 | MS221101-6 | .01 | U      | .00738 | mg/L  | 74   | 70       | 130     | 11  | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG553860</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05     |        | .0494 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .050075 |        | .0481 | mg/L  | 96   | 85      | 115    |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |         |        | .0129 | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .050075 | .0129  | .0603 | mg/L  | 95   | 70      | 130    |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .050075 | .0129  | .0582 | mg/L  | 90   | 70      | 130    | 4   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L76711**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L76711-01 | WG553050 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L76711**

No certification qualifiers associated with this analysis



Ouray Silver Mines

ACZ Project ID: L76711

Date Received: 10/05/2022 10:58

Received By:

Date Printed: 10/18/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA38616   | 5.8       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L76711

Date Received: 10/05/2022 10:58

Received By:

Date Printed: 10/18/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

**Laboratories, Inc.**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

**CHAIN of CUSTODY****Report to:**

Name: Todd Jesse

Company: Ouray Silver Mines Inc

E-mail: Environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1

Ouray, CO 81427

Telephone: 720 469-7557

**Copy of Report to:**

Name:

Company:

E-mail: environmental@ouraysilvermines.com

Telephone: 9703259830

**Invoice to:**

Name: Don Cordsen

Company: Ouray Silver Mines

E-mail: payable@ouraysilvermines.com

Address: PO Box 564, 1900 Main St, Unit 1

Ouray, CO 81427

Telephone: 970 325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES



NO



If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

**Are samples for SDWA Compliance Monitoring?**

Yes



No



If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Poppy St

Sampler's Site Information

State CO

Zip code 81427

Time Zone MT

\*Sampler's Signature:

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

**PROJECT INFORMATION**

ANALYSES REQUESTED (attach list or use quote number)

Quote #:

PO#: CDPS-BIMONTH-WW

Reporting state for compliance testing:

Check box if samples include NRC licensed material?



SAMPLE IDENTIFICATION

DATE: TIME

Matrix

# of Containers

CDPS-BIMONTH-WW

OF002A

10/4/22 8:32 AM

WW

4



Matrix

SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

**REMARKS**

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE: TIME

RECEIVED BY:

DATE: TIME

10/4/22 10:30 AM

10/7/22

1038

FRMAD050.06.14.14

White - Return with sample.

Yellow - Retain for your records.



76711 Chain of Custody

November 10, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Environmental

Project ID:

ACZ Project ID: L76825

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 20, 2022. This project has been assigned to ACZ's project number, L76825. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L76825. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after December 10, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L76825-01**

Date Sampled: 10/18/22 11:08

Date Received: 10/20/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 10/28/11 11:27 | scp     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 10/25/22 12:01 | wgm     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 10/26/22 14:30 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 10/26/22 22:00 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000299 |      |    | mg/L  | 0.00005 | 0.00025 | 10/28/22 21:03 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | 0.00092  | B    |    | mg/L  | 0.0008  | 0.002   | 10/28/22 21:03 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    | *  | mg/L  | 0.06    | 0.15    | 10/29/22 14:59 | wtc     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00072  |      |    | mg/L  | 0.0001  | 0.0005  | 10/28/22 21:03 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00089  |      |    | mg/L  | 0.0001  | 0.0005  | 10/28/22 13:49 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.300    |      |    | mg/L  | 0.0004  | 0.002   | 10/28/22 21:03 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 10/31/22 14:10 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 11/03/22 9:15  | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.132    |      |    | mg/L  | 0.006   | 0.015   | 10/28/22 21:03 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 10/27/22 15:13 | gkk     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.8    | H    |    | units | 0.1   | 0.1  | 11/04/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 23.1   |      |    | C     | 0.1   | 0.1  | 11/04/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 10/25/22 12:54 | svm     |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L76825**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG553860</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05    |         | .051509 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .05005 |         | .049639 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .05005 | .000101 | .050243 | mg/L  | 100  | 70       | 130     |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .05005 | .000101 | .049087 | mg/L  | 98   | 70       | 130     | 2   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553860</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05 |        | .0516  | mg/L  | 103  | 90       | 110     |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .05 |        | .04881 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .05 | .0113  | .05839 | mg/L  | 94   | 70       | 130     |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .05 | .0113  | .05573 | mg/L  | 89   | 70       | 130     | 5   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG553772</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG553772ICV     | ICV  | 10/27/22 14:50 | WI221027-2 | .3003 |        | .3059 | mg/L  | 102  | 90     | 110   |     |       |      |
| WG553772ICB     | ICB  | 10/27/22 14:51 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG553509LRB     | LRB  | 10/27/22 14:52 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG553509LFB     | LFB  | 10/27/22 14:52 | WI221012-5 | .2002 |        | .1992 | mg/L  | 100  | 90     | 110   |     |       |      |
| L76837-01DUP    | DUP  | 10/27/22 15:14 |            |       | .0389  | .0365 | mg/L  |      |        |       | 6   | 20    |      |
| L76837-02LFM    | LFM  | 10/27/22 15:57 | WI221012-5 | .2002 | 40.2   | 40.72 | mg/L  | 260  | 90     | 110   |     |       | M3   |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG553876</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG553876ICV     | ICV  | 10/29/22 13:11 | II221025-1 | 2      |        | 1.988 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG553876ICB     | ICB  | 10/29/22 13:17 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG553680LRB     | LRB  | 10/29/22 13:30 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG553680LFB     | LFB  | 10/29/22 13:33 | II221013-2 | 1.0013 |        | .967  | mg/L  | 97   | 85     | 115   |     |       |      |
| L76802-03LFM    | LFM  | 10/29/22 14:47 | II221013-2 | 1.0013 | U      | .959  | mg/L  | 96   | 70     | 130   |     |       |      |
| L76802-03LFMD   | LFMD | 10/29/22 14:50 | II221013-2 | 1.0013 | U      | .967  | mg/L  | 97   | 70     | 130   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76825**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553860</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05   |        | .05153 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .0501 |        | .04953 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .0501 | .00031 | .05189 | mg/L  | 103  | 70       | 130     |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .0501 | .00031 | .0508  | mg/L  | 101  | 70       | 130     | 2   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553837</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553837ICV     | ICV  | 10/28/22 12:41 | MS220930-3 | .05   |        | .05261 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG553837ICB     | ICB  | 10/28/22 12:43 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG553527LRB     | LRB  | 10/28/22 12:45 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG553527LFB1    | LFB  | 10/28/22 12:47 | MS221012-7 | .0501 |        | .05048 | mg/L  | 101  | 85       | 115     |     |       |      |
| L76788-03LFM    | LFM  | 10/28/22 13:42 | MS221012-7 | .0501 | U      | .04671 | mg/L  | 93   | 70       | 130     |     |       |      |
| L76788-03LFMD   | LFMD | 10/28/22 13:44 | MS221012-7 | .0501 | U      | .04817 | mg/L  | 96   | 70       | 130     | 3   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553860</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05   |        | .05192 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .0498 |        | .05036 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .0498 | .0335  | .08344 | mg/L  | 100  | 70       | 130     |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .0498 | .0335  | .08165 | mg/L  | 97   | 70       | 130     | 2   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553912</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG553912ICV     | ICV  | 10/31/22 13:28 | HG221031-3 | .005005 |        | .00492 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG553912ICB     | ICB  | 10/31/22 13:29 |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG553914</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG553914LRB     | LRB  | 10/31/22 14:06 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG553914LFB     | LFB  | 10/31/22 14:07 | HG221031-6 | .002002 |        | .002   | mg/L  | 100  | 85       | 115     |     |       |      |
| L76920-01LFM    | LFM  | 10/31/22 14:12 | HG221031-6 | .002002 | U      | .00187 | mg/L  | 93   | 85       | 115     |     |       |      |
| L76920-01LFMD   | LFMD | 10/31/22 14:13 | HG221031-6 | .002002 | U      | .00193 | mg/L  | 96   | 85       | 115     | 3   | 20    |      |



**OURAYSM**

ACZ Project ID: **L76825**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554250</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG554250LCSW1   | LCSW | 11/03/22 18:28 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG554250LCSW4   | LCSW | 11/03/22 21:32 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L76828-01DUP    | DUP  | 11/04/22 12:36 |          |    | 7.7    | 7.8   | units |      |       |       | 1   | 20    |      |
| WG554250LCSW7   | LCSW | 11/04/22 12:40 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG554250LCSW10  | LCSW | 11/04/22 15:44 | PCN65296 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG554250LCSW13  | LCSW | 11/04/22 19:18 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG554250LCSW16  | LCSW | 11/04/22 21:02 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553550</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG553550PBW     | PBW  | 10/25/22 11:54 |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG553550LCSW    | LCSW | 10/25/22 11:56 | PCN623311 | 100 |        | 112   | mg/L  | 112  | 80    | 120   |     |       |      |
| L76786-04DUP    | DUP  | 10/25/22 12:30 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG554173</b> |      |               |            |     |        |        |       |      |          |         |     |       |      |
| WG554173ICV     | ICV  | 11/03/22 8:59 | MS220930-3 | .02 |        | .02059 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG554173ICB     | ICB  | 11/03/22 9:01 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG554173LFB     | LFB  | 11/03/22 9:09 | MS221101-6 | .01 |        | .00876 | mg/L  | 88   | 85       | 115     |     |       |      |
| WG553855PBW     | PBW  | 11/03/22 9:11 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG553987PBW     | PBW  | 11/03/22 9:18 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L76946-01AS     | AS   | 11/03/22 9:22 | MS221101-6 | .01 | U      | .00823 | mg/L  | 82   | 70       | 130     |     |       |      |
| L76946-01ASD    | ASD  | 11/03/22 9:24 | MS221101-6 | .01 | U      | .00738 | mg/L  | 74   | 70       | 130     | 11  | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG553860</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05     |        | .0494 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .050075 |        | .0481 | mg/L  | 96   | 85      | 115    |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |         |        | .0129 | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .050075 | .0129  | .0603 | mg/L  | 95   | 70      | 130    |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .050075 | .0129  | .0582 | mg/L  | 90   | 70      | 130    | 4   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L76825**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L76825-01 | WG553772 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG553876 | Iron, total recoverable             | M200.7 ICP                                    | IA   | Internal standard recovery exceeded the acceptance limits. Concentration of associated target analyte(s) in the sample is < MDL.                                                                      |
|           | WG553550 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L76825**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L76825

Date Received: 10/20/2022 10:49

Received By:

Date Printed: 10/24/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA38748   | 5.4       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L76825

Date Received: 10/20/2022 10:49

Received By:

Date Printed: 10/24/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

L76829

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

## CHAIN of CUSTODY

## Report to:

|                                     |                                                                          |
|-------------------------------------|--------------------------------------------------------------------------|
| Name: Todd Jesse                    | Address: 1900 Main St Unit 1<br>Ouray, CO 81427<br>Telephone: 7204697557 |
| Company: Ouray Silver Mines Inc     |                                                                          |
| E-mail: tjesse@ouraysilvermines.com |                                                                          |

Copy of Report to:

|                                 |                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------|
| Name:                           | E-mail: <a href="mailto:environmental@ouraysilvermines.com">environmental@ouraysilvermines.com</a> |
| Company: Ouray Silver Mines Inc | Telephone: 970-325-9830                                                                            |

Invoice to:

|                                      |  |                         |
|--------------------------------------|--|-------------------------|
| Name: Don Cordsen                    |  | Address: PO Box 564     |
| Company: Ouray Silver Mines          |  | Ouray, CO 81427         |
| E-mail: payable@ouraysilvermines.com |  | Telephone: 970-325-9830 |

**If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?**

|     |                          |
|-----|--------------------------|
| YES | <input type="checkbox"/> |
| NO  | <input type="checkbox"/> |

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

**Are samples for SDWA Compliance Monitoring?**

|     |                          |
|-----|--------------------------|
| Yes | <input type="checkbox"/> |
|-----|--------------------------|

|    |                                     |
|----|-------------------------------------|
| No | <input checked="" type="checkbox"/> |
|----|-------------------------------------|

If yes, please include state forms. Results will be reported to PQL for Colorado.

**Sampler's Name:** Todd Jesse **Sampler's Site Information** **State** CO **Zip code** 81427 **Time Zone** mnt

\*Sampler's Signature: 

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

## PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

|                                                     |  |                  |                          |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------------------------------------|--|------------------|--------------------------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Quote #: CDPS-BIMONTH-VWV                           |  |                  |                          | # of Containers | CDPS-BIMONTH-VWV                    |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| PO#:                                                |  |                  |                          |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Reporting state for compliance testing:             |  |                  |                          |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Check box if samples include NRC licensed material? |  |                  | <input type="checkbox"/> |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| SAMPLE IDENTIFICATION                               |  | DATE:TIME        | Matrix                   |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| OF002A                                              |  | 10/18/22 : 11:08 | VWV                      | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                  |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |

## REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

Todd Jones

10/12/22 : 09:00



10/24/22

1040

December 06, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Environmental

Project ID:

ACZ Project ID: L77194

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on November 09, 2022. This project has been assigned to ACZ's project number, L77194. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L77194. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after January 05, 2023. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L77194-01**

Date Sampled: 11/07/22 10:56

Date Received: 11/09/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 11/18/22 12:32 | gjl         |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 11/16/22 15:15 | dfb/wg<br>m |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 11/16/22 15:50 | mfm         |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 11/15/22 21:30 | aeh         |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000336 |      |    | mg/L  | 0.00005 | 0.00025 | 11/21/22 17:26 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 11/21/22 17:26 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 12/03/22 0:08  | keh1    |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00069  |      |    | mg/L  | 0.0001  | 0.0005  | 11/21/22 17:26 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00107  |      |    | mg/L  | 0.0001  | 0.0005  | 11/21/22 12:10 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.399    |      |    | mg/L  | 0.0004  | 0.002   | 11/21/22 17:26 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 11/14/22 17:44 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 11/21/22 17:26 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.162    |      |    | mg/L  | 0.006   | 0.015   | 11/21/22 17:26 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 11/18/22 12:58 | mrd     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 6.9    | H    |    | units | 0.1   | 0.1  | 11/19/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.1   |      |    | C     | 0.1   | 0.1  | 11/19/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 11/11/22 14:56 | anc     |



**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L77194**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG555390</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG555390ICV     | ICV  | 11/21/22 17:14 | MS220930-3 | .05    |        | .052467 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG555390ICB     | ICB  | 11/21/22 17:17 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG555390LFB     | LFB  | 11/21/22 17:19 | MS221101-6 | .05005 |        | .050452 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG555284PBW     | PBW  | 11/21/22 17:21 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L77235-01AS     | AS   | 11/21/22 17:35 | MS221101-6 | .05005 | U      | .053802 | mg/L  | 107  | 70       | 130     |     |       |      |
| L77235-01ASD    | ASD  | 11/21/22 17:38 | MS221101-6 | .05005 | U      | .053295 | mg/L  | 106  | 70       | 130     | 1   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG555390</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG555390ICV     | ICV  | 11/21/22 17:14 | MS220930-3 | .05 |        | .05304 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG555390ICB     | ICB  | 11/21/22 17:17 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG555390LFB     | LFB  | 11/21/22 17:19 | MS221101-6 | .05 |        | .05037 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG555284PBW     | PBW  | 11/21/22 17:21 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L77235-01AS     | AS   | 11/21/22 17:35 | MS221101-6 | .05 | .0112  | .05937 | mg/L  | 96   | 70       | 130     |     |       |      |
| L77235-01ASD    | ASD  | 11/21/22 17:38 | MS221101-6 | .05 | .0112  | .06073 | mg/L  | 99   | 70       | 130     | 2   | 20    |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG555102</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG555102ICV     | ICV  | 11/18/22 12:04 | WI221109-16 | .3003 |        | .3007 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG555102ICB     | ICB  | 11/18/22 12:05 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG555213</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG555059LRB     | LRB  | 11/18/22 12:41 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG555059LFB     | LFB  | 11/18/22 12:42 | WI221109-14 | .2002 |        | .1948 | mg/L  | 97   | 90     | 110   |     |       |      |
| L77180-01DUP    | DUP  | 11/18/22 12:55 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L77182-03LFM    | LFM  | 11/18/22 12:57 | WI221109-14 | .2002 | U      | .1984 | mg/L  | 99   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG555977</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG555977ICV     | ICV  | 12/02/22 23:05 | II221116-1 | 2      |        | 1.931 | mg/L  | 97   | 95     | 105   |     |       |      |
| WG555977ICB     | ICB  | 12/02/22 23:10 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG555017LRB     | LRB  | 12/02/22 23:23 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG555017LFB     | LFB  | 12/02/22 23:26 | II221104-3 | 1.0013 |        | .976  | mg/L  | 97   | 85     | 115   |     |       |      |
| L77131-02LFM    | LFM  | 12/03/22 0:02  | II221104-3 | 1.0013 | .549   | 1.594 | mg/L  | 104  | 70     | 130   |     |       |      |
| L77131-02LFMD   | LFMD | 12/03/22 0:05  | II221104-3 | 1.0013 | .549   | 1.642 | mg/L  | 109  | 70     | 130   | 3   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG555390</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG555390ICV     | ICV  | 11/21/22 17:14 | MS220930-3 | .05   |        | .0533  | mg/L  | 107  | 90       | 110     |     |       |      |
| WG555390ICB     | ICB  | 11/21/22 17:17 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG555390LFB     | LFB  | 11/21/22 17:19 | MS221101-6 | .0501 |        | .05087 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG555284PBW     | PBW  | 11/21/22 17:21 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77235-01AS     | AS   | 11/21/22 17:35 | MS221101-6 | .0501 | .00012 | .05237 | mg/L  | 104  | 70       | 130     |     |       |      |
| L77235-01ASD    | ASD  | 11/21/22 17:38 | MS221101-6 | .0501 | .00012 | .05408 | mg/L  | 108  | 70       | 130     | 3   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77194**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG555353</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG555353ICV     | ICV  | 11/21/22 11:24 | MS220930-3 | .05   |        | .05205 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG555353ICB     | ICB  | 11/21/22 11:26 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG555107LRB     | LRB  | 11/21/22 11:28 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG555107LFB     | LFB  | 11/21/22 11:31 | MS221101-6 | .0501 |        | .0501  | mg/L  | 100  | 85       | 115     |     |       |      |
| L77138-01LFM    | LFM  | 11/21/22 12:03 | MS221101-6 | .0501 | U      | .05285 | mg/L  | 105  | 70       | 130     |     |       |      |
| L77138-01LFMD   | LFMD | 11/21/22 12:05 | MS221101-6 | .0501 | U      | .05244 | mg/L  | 105  | 70       | 130     | 1   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG555390</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG555390ICV     | ICV  | 11/21/22 17:14 | MS220930-3 | .05   |        | .05424 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG555390ICB     | ICB  | 11/21/22 17:17 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG555390LFB     | LFB  | 11/21/22 17:19 | MS221101-6 | .0498 |        | .05173 | mg/L  | 104  | 85       | 115     |     |       |      |
| WG555284PBW     | PBW  | 11/21/22 17:21 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L77235-01AS     | AS   | 11/21/22 17:35 | MS221101-6 | .0498 | .0122  | .06554 | mg/L  | 107  | 70       | 130     |     |       |      |
| L77235-01ASD    | ASD  | 11/21/22 17:38 | MS221101-6 | .0498 | .0122  | .06688 | mg/L  | 110  | 70       | 130     | 2   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG554864</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG554864ICV     | ICV  | 11/14/22 16:01 | HG221114-3 | .005005 |        | .00524 | mg/L  | 105  | 95       | 105     |     |       |      |
| WG554864ICB     | ICB  | 11/14/22 16:02 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG554867</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG554867LRB     | LRB  | 11/14/22 17:16 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG554867LFB     | LFB  | 11/14/22 17:17 | HG221114-6 | .002002 |        | .00202 | mg/L  | 101  | 85       | 115     |     |       |      |
| L77164-03LFM    | LFM  | 11/14/22 17:39 | HG221114-6 | .002002 | U      | .00201 | mg/L  | 100  | 85       | 115     |     |       |      |
| L77164-03LFMD   | LFMD | 11/14/22 17:40 | HG221114-6 | .002002 | U      | .00203 | mg/L  | 101  | 85       | 115     | 1   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG555324</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG555324LCSW1   | LCSW | 11/19/22 11:50 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG555324LCSW4   | LCSW | 11/19/22 14:50 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG555324LCSW7   | LCSW | 11/19/22 17:47 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L77240-01DUP    | DUP  | 11/19/22 18:50 |          |    | 8      | 8     | units |      |       |       | 0   | 20    |      |
| WG555324LCSW10  | LCSW | 11/19/22 20:30 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG555324LCSW13  | LCSW | 11/19/22 23:35 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554807</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG554807PBW     | PBW  | 11/11/22 13:59 |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG554807LCSW    | LCSW | 11/11/22 14:01 | PCN623306 | 100 |        | 100   | mg/L  | 100  | 80    | 120   |     |       |      |
| L77194-01DUP    | DUP  | 11/11/22 14:59 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**OURAYSM**

ACZ Project ID: **L77194**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG555390</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG555390ICV     | ICV  | 11/21/22 17:14 | MS220930-3 | .02 |        | .02061 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG555390ICB     | ICB  | 11/21/22 17:17 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG555390LFB     | LFB  | 11/21/22 17:19 | MS221101-6 | .01 |        | .00983 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG555284PBW     | PBW  | 11/21/22 17:21 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77235-01AS     | AS   | 11/21/22 17:35 | MS221101-6 | .01 | U      | .00927 | mg/L  | 93   | 70       | 130     |     |       |      |
| L77235-01ASD    | ASD  | 11/21/22 17:38 | MS221101-6 | .01 | U      | .00908 | mg/L  | 91   | 70       | 130     | 2   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG555390</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG555390ICV     | ICV  | 11/21/22 17:14 | MS220930-3 | .05     |        | .0511 | mg/L  | 102  | 90      | 110    |     |       |      |
| WG555390ICB     | ICB  | 11/21/22 17:17 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG555390LFB     | LFB  | 11/21/22 17:19 | MS221101-6 | .050075 |        | .0503 | mg/L  | 100  | 85      | 115    |     |       |      |
| WG555284PBW     | PBW  | 11/21/22 17:21 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L77235-01AS     | AS   | 11/21/22 17:35 | MS221101-6 | .050075 | .0673  | .1186 | mg/L  | 102  | 70      | 130    |     |       |      |
| L77235-01ASD    | ASD  | 11/21/22 17:38 | MS221101-6 | .050075 | .0673  | .1219 | mg/L  | 109  | 70      | 130    | 3   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L77194**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77194-01 | WG555213 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG554807 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | Q6   | Sample was received above recommended temperature.                                                                                                                    |
|           |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|           |          |                                     |                                               |      |                                                                                                                                                                       |

**Ouray Silver Mines**

ACZ Project ID: **L77194**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L77194

Date Received: 11/09/2022 10:37

Received By:

Date Printed: 11/11/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp Criteria (°C) | Rad (µR/Hr) | Custody Seal Intact? |
|-----------|-----------|--------------------|-------------|----------------------|
| NA38890   | 7.2       | <=6.0              | 15          | N/A                  |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L77194

Date Received: 11/09/2022 10:37

Received By:

Date Printed: 11/11/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).





December 20, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable

Project ID:

ACZ Project ID: L77542

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on November 18, 2022. This project has been assigned to ACZ's project number, L77542. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L77542. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after January 19, 2023. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

*Mark McNeal*  
Mark McNeal has reviewed  
and approved this report.



Ouray Silver Mines

December 20, 2022

Project ID:

ACZ Project ID: L77542

**Sample Receipt**

ACZ Laboratories, Inc. (ACZ) received 1 miscellaneous sample from Ouray Silver Mines on November 18, 2022. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L77542. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

**Holding Times**

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

**Sample Analysis**

This sample was analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. Qualifier: H1

Applies to: L77542-01/CYANIDE

Sample was logged in for parameter past hold. Analyzed as soon as possible

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L77542-01**

Date Sampled: 11/17/22 09:58

Date Received: 11/18/22

Sample Matrix: *Waste Water*

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 12/09/22 10:59 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 12/08/22 9:06  | dfb     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 12/08/22 21:29 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 12/08/22 21:00 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000360 |      |    | mg/L  | 0.00005 | 0.00025 | 12/09/22 14:38 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 12/15/22 10:09 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 12/17/22 14:47 | wtc     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00076  |      |    | mg/L  | 0.0001  | 0.0005  | 12/09/22 14:38 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00108  |      |    | mg/L  | 0.0001  | 0.0005  | 12/12/22 12:33 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.401    |      |    | mg/L  | 0.0004  | 0.002   | 12/09/22 14:38 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 12/08/22 16:00 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 12/15/22 10:09 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.162    |      |    | mg/L  | 0.006   | 0.015   | 12/09/22 14:38 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L  | 0.003 | 0.01 | 12/09/22 9:04  | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 6.7    | H    |    | units | 0.1   | 0.1  | 12/08/22 0:00  | emk     |
| pH measured at                             |                                                | 1        | 21.9   |      |    | C     | 0.1   | 0.1  | 12/08/22 0:00  | emk     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | UH   | *  | mg/L  | 5     | 20   | 12/08/22 14:07 | svm     |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L77542**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG556429</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG556429ICV     | ICV  | 12/09/22 13:47 | MS220930-3 | .05    |        | .05347  | mg/L  | 107  | 90       | 110     |     |       |      |
| WG556429ICB     | ICB  | 12/09/22 13:49 |            |        |        | .000058 | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG556429LFB     | LFB  | 12/09/22 13:51 | MS221207-2 | .05005 |        | .052136 | mg/L  | 104  | 85       | 115     |     |       |      |
| WG556292PBW     | PBW  | 12/09/22 13:53 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG556406PBW     | PBW  | 12/09/22 13:58 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L77533-04AS     | AS   | 12/09/22 14:28 | MS221207-2 | .05005 | U      | .055742 | mg/L  | 111  | 70       | 130     |     |       |      |
| L77533-04ASD    | ASD  | 12/09/22 14:30 | MS221207-2 | .05005 | U      | .05719  | mg/L  | 114  | 70       | 130     | 3   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556747</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG556747ICV     | ICV  | 12/15/22 9:38  | MS220930-3 | .05 |        | .05333 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG556747ICB     | ICB  | 12/15/22 9:40  |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG556747LFB     | LFB  | 12/15/22 9:41  | MS221207-2 | .05 |        | .0523  | mg/L  | 105  | 85       | 115     |     |       |      |
| WG555990PBW     | PBW  | 12/15/22 9:43  |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG556292PBW     | PBW  | 12/15/22 9:45  |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG556406PBW     | PBW  | 12/15/22 9:51  |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L77515-01AS     | AS   | 12/15/22 10:02 | MS221207-2 | .05 | .0869  | .13833 | mg/L  | 103  | 70       | 130     |     |       |      |
| L77515-01ASD    | ASD  | 12/15/22 10:03 | MS221207-2 | .05 | .0869  | .14219 | mg/L  | 111  | 70       | 130     | 3   | 20    |      |
| WG556640PBW     | PBW  | 12/15/22 10:16 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG556399</b> |      |               |            |       |        |       |       |      |        |       |     |       |      |
| WG556399ICV     | ICV  | 12/09/22 8:58 | WI221126-5 | .3003 |        | .2849 | mg/L  | 95   | 90     | 110   |     |       |      |
| WG556399ICB     | ICB  | 12/09/22 8:59 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG556290LRB     | LRB  | 12/09/22 9:00 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG556290LFB     | LFB  | 12/09/22 9:01 | WI221130-6 | .2002 |        | .1823 | mg/L  | 91   | 90     | 110   |     |       |      |
| L77549-04DUP    | DUP  | 12/09/22 9:11 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L77550-09LFM    | LFM  | 12/09/22 9:13 | WI221130-6 | .2002 | U      | .1878 | mg/L  | 94   | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG556637</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG556637ICV     | ICV  | 12/17/22 13:41 | II221212-1 | 2      |        | 1.96  | mg/L  | 98   | 95     | 105   |     |       |      |
| WG556637ICB     | ICB  | 12/17/22 13:47 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG556346LRB     | LRB  | 12/17/22 13:59 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG556346LFB     | LFB  | 12/17/22 14:03 | II221202-2 | 1.0013 |        | .964  | mg/L  | 96   | 85     | 115   |     |       |      |
| L77514-01LFM    | LFM  | 12/17/22 14:28 | II221202-2 | 1.0013 | .141   | 1.083 | mg/L  | 94   | 70     | 130   |     |       |      |
| L77514-01LFMD   | LFMD | 12/17/22 14:38 | II221202-2 | 1.0013 | .141   | 1.081 | mg/L  | 94   | 70     | 130   | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77542**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556429</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG556429ICV     | ICV  | 12/09/22 13:47 | MS220930-3 | .05   |        | .05257 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG556429ICB     | ICB  | 12/09/22 13:49 |            |       |        | .00016 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG556429LFB     | LFB  | 12/09/22 13:51 | MS221207-2 | .0501 |        | .05088 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG556292PBW     | PBW  | 12/09/22 13:53 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG556406PBW     | PBW  | 12/09/22 13:58 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77533-04AS     | AS   | 12/09/22 14:28 | MS221207-2 | .0501 | .00037 | .05379 | mg/L  | 107  | 70       | 130     |     |       |      |
| L77533-04ASD    | ASD  | 12/09/22 14:30 | MS221207-2 | .0501 | .00037 | .05459 | mg/L  | 108  | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556489</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG556489ICV     | ICV  | 12/12/22 12:02 | MS220930-3 | .05   |        | .05209 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG556489ICB     | ICB  | 12/12/22 12:04 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG556366LRB     | LRB  | 12/12/22 12:05 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG556366LFB     | LFB  | 12/12/22 12:07 | MS221207-2 | .0501 |        | .04994 | mg/L  | 100  | 85       | 115     |     |       |      |
| L77499-06LFM    | LFM  | 12/12/22 12:24 | MS221207-2 | .0501 | .00352 | .0535  | mg/L  | 100  | 70       | 130     |     |       |      |
| L77499-06LFMD   | LFMD | 12/12/22 12:26 | MS221207-2 | .0501 | .00352 | .05399 | mg/L  | 101  | 70       | 130     | 1   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556429</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG556429ICV     | ICV  | 12/09/22 13:47 | MS220930-3 | .05   |        | .05222 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG556429ICB     | ICB  | 12/09/22 13:49 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG556429LFB     | LFB  | 12/09/22 13:51 | MS221207-2 | .0498 |        | .05091 | mg/L  | 102  | 85       | 115     |     |       |      |
| WG556292PBW     | PBW  | 12/09/22 13:53 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG556406PBW     | PBW  | 12/09/22 13:58 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L77533-04AS     | AS   | 12/09/22 14:28 | MS221207-2 | .0498 | .0758  | .12882 | mg/L  | 106  | 70       | 130     |     |       |      |
| L77533-04ASD    | ASD  | 12/09/22 14:30 | MS221207-2 | .0498 | .0758  | .13092 | mg/L  | 111  | 70       | 130     | 2   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556299</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG556299ICV     | ICV  | 12/08/22 13:53 | HG221128-3 | .005005 |        | .00519 | mg/L  | 104  | 95       | 105     |     |       |      |
| WG556299ICB     | ICB  | 12/08/22 13:54 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG556303</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG556303LRB     | LRB  | 12/08/22 15:33 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG556303LFB     | LFB  | 12/08/22 15:34 | HG221128-6 | .002002 |        | .00191 | mg/L  | 95   | 85       | 115     |     |       |      |
| L77518-01LFM    | LFM  | 12/08/22 15:50 | HG221128-6 | .002002 | U      | .00181 | mg/L  | 90   | 85       | 115     |     |       |      |
| L77518-01LFMD   | LFMD | 12/08/22 15:51 | HG221128-6 | .002002 | U      | .00179 | mg/L  | 89   | 85       | 115     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77542**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG556238</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG556238LCSW1   | LCSW | 12/07/22 16:22 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG556238LCSW4   | LCSW | 12/07/22 18:52 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG556238LCSW7   | LCSW | 12/07/22 21:41 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG556238LCSW10  | LCSW | 12/08/22 0:46  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L77542-01DUP    | DUP  | 12/08/22 4:26  |          |    | 6.7    | 7     | units |      |       |       | 4   | 20    |      |
| WG556238LCSW13  | LCSW | 12/08/22 4:31  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG556336</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG556336PBW     | PBW  | 12/08/22 13:20 |           |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG556336LCSW    | LCSW | 12/08/22 13:22 | PCN623496 | 100 |        | 104   | mg/L  | 104  | 80    | 120   |     |       |      |
| L77550-09DUP    | DUP  | 12/08/22 14:20 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556747</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG556747ICV     | ICV  | 12/15/22 9:38  | MS220930-3 | .02 |        | .02035 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG556747ICB     | ICB  | 12/15/22 9:40  |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG556747LFB     | LFB  | 12/15/22 9:41  | MS221207-2 | .01 |        | .01056 | mg/L  | 106  | 85       | 115     |     |       |      |
| WG555990PBW     | PBW  | 12/15/22 9:43  |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG556292PBW     | PBW  | 12/15/22 9:45  |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG556406PBW     | PBW  | 12/15/22 9:51  |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77515-01AS     | AS   | 12/15/22 10:02 | MS221207-2 | .01 | U      | .00985 | mg/L  | 99   | 70       | 130     |     |       |      |
| L77515-01ASD    | ASD  | 12/15/22 10:03 | MS221207-2 | .01 | U      | .00979 | mg/L  | 98   | 70       | 130     | 1   | 20    |      |
| WG556640PBW     | PBW  | 12/15/22 10:16 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG556429</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG556429ICV     | ICV  | 12/09/22 13:47 | MS220930-3 | .05     |        | .0513 | mg/L  | 103  | 90      | 110    |     |       |      |
| WG556429ICB     | ICB  | 12/09/22 13:49 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG556429LFB     | LFB  | 12/09/22 13:51 | MS221207-2 | .050075 |        | .0532 | mg/L  | 106  | 85      | 115    |     |       |      |
| WG556292PBW     | PBW  | 12/09/22 13:53 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG556406PBW     | PBW  | 12/09/22 13:58 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L77533-04AS     | AS   | 12/09/22 14:28 | MS221207-2 | .050075 | .0528  | .1084 | mg/L  | 111  | 70      | 130    |     |       |      |
| L77533-04ASD    | ASD  | 12/09/22 14:30 | MS221207-2 | .050075 | .0528  | .1093 | mg/L  | 113  | 70      | 130    | 1   | 20    |      |



**Ouray Silver Mines**

ACZ Project ID: **L77542**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77542-01 | WG556399 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|           |          |                                     | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG556336 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L77542**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L77542

Date Received: 11/18/2022 10:36

Received By:

Date Printed: 12/7/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA38979   | 2.7       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L77542

Date Received: 11/18/2022 10:36

Received By:

Date Printed: 12/7/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

Report to:

|                                     |                              |
|-------------------------------------|------------------------------|
| Name: Todd Jesse                    | Address: 1900 Main St Unit 1 |
| Company: Ouray Silver Mines Inc     | Ouray, CO 81427              |
| E-mail: tjesse@ouraysilvermines.com | Telephone: 720-469-7557      |

Copy of Report to:

|                             |                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| Name:                       | E-mail: <a href="mailto:environmental@ouraysilvermines.com">environmental@ouraysilvermines.com</a> |
| Company: Ouray Silver Mines | Telephone: 970 325-9830                                                                            |

Invoice to:

|                                      |                                                                   |
|--------------------------------------|-------------------------------------------------------------------|
| Name: Don Cordsen                    | Address: PO BOX 564<br>Ouray, CO 81427<br>Telephone: 970-325-9830 |
| Company: Ouray Silver Mines          |                                                                   |
| E-mail: payable@ouraysilvermines.com |                                                                   |

**If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?**

|     |                                     |
|-----|-------------------------------------|
| YES | <input checked="" type="checkbox"/> |
| NO  | <input type="checkbox"/>            |

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

**Are samples for SDWA Compliance Monitoring?**

|     |                          |    |                                     |
|-----|--------------------------|----|-------------------------------------|
| Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
|-----|--------------------------|----|-------------------------------------|

**If yes, please include state forms. Results will be reported to PQL for Colorado.**

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mnt

\*Sampler's Signature: \_\_\_\_\_ \*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

## PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

|                                                     |                                                                                                                                        |                |        |                          |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Quote #: CDPS-BIOMONTH-WW                           |                                                                                                                                        |                |        |                          | # of Containers                     | CDPS-BIOMONTH-WW         |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| PO#:                                                |                                                                                                                                        |                |        |                          |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Reporting state for compliance testing:             |                                                                                                                                        |                |        |                          |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Check box if samples include NRC licensed material? |                                                                                                                                        |                |        | <input type="checkbox"/> |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| SAMPLE IDENTIFICATION                               |                                                                                                                                        | DATE:TIME      | Matrix |                          |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| OF002A                                              |                                                                                                                                        | 11/17/22 09:58 | ww     | 4                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                |        |                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                |        |                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                |        |                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                |        |                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                |        |                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                |        |                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                |        |                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                |        |                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                |        |                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Matrix                                              | SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify) |                |        |                          |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |

## REMARKS

**Please refer to ACZ's terms & conditions located on the reverse side of this COC.**

| RELINQUISHED BY: |  | DATE:TIME      | RECEIVED BY: |  | DATE:TIME |
|------------------|--|----------------|--------------|--|-----------|
| Todd Jones       |  | 11/17/21 10:50 | [Signature]  |  | 11/17/21  |
|                  |  |                |              |  | 1036      |
|                  |  |                |              |  |           |
|                  |  |                |              |  |           |

FRMAD050.06.14.14

White - Return with sample.      Yellow - Retain for your records

L77542 Chain of Custody

January 06, 2023

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable

Project ID:

ACZ Project ID: L77667

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on December 07, 2022. This project has been assigned to ACZ's project number, L77667. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L77667. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after February 05, 2023. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

*Mark McNeal*

Mark McNeal has reviewed  
and approved this report.



Ouray Silver Mines

January 06, 2023

Project ID:

ACZ Project ID: L77667

**Sample Receipt**

ACZ Laboratories, Inc. (ACZ) received 1 miscellaneous sample from Ouray Silver Mines on December 7, 2022. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L77667. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

**Holding Times**

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

**Sample Analysis**

This sample was analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. Please find your bottle order attached to this email and let me know if you need anything else.

1. Qualifier: H1

Applies to: L77667-01/TOTAL SUSPENDED SOLIDS

Sample prep or analysis performed past holding time. Sample received within hold time. Sample ran past hold.

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L77667-01**

Date Sampled: 12/05/22 00:00

Date Received: 12/07/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 12/16/22 11:22 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 12/14/22 16:58 | dfb     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 12/14/22 19:30 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 12/14/22 22:29 | wtc     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000235 | B    |    | mg/L  | 0.00005 | 0.00025 | 12/16/22 18:15 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 12/21/22 20:07 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 12/31/22 6:08  | wtc     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00035  | B    |    | mg/L  | 0.0001  | 0.0005  | 12/16/22 18:15 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00077  |      |    | mg/L  | 0.0001  | 0.0005  | 12/18/22 16:04 | mfm     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.277    |      |    | mg/L  | 0.0004  | 0.002   | 12/16/22 18:15 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 12/15/22 13:07 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 12/20/22 18:35 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.120    |      | *  | mg/L  | 0.006   | 0.015   | 12/16/22 18:15 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 12/15/22 16:00 | gkk     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 6.9    | H    |    | units | 0.1   | 0.1  | 12/20/22 0:00  | emk     |
| pH measured at                             |                                                | 1        | 22.4   |      |    | C     | 0.1   | 0.1  | 12/20/22 0:00  | emk     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | UH   | *  | mg/L  | 5     | 20   | 12/16/22 20:12 | jck     |





#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L77667**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG556904</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG556904ICV     | ICV  | 12/16/22 17:44 | MS220930-3 | .05    |        | .052173 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG556904ICB     | ICB  | 12/16/22 17:46 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG556904LFB     | LFB  | 12/16/22 17:48 | MS221207-2 | .05005 |        | .046684 | mg/L  | 93   | 85       | 115     |     |       |      |
| WG555284PBW     | PBW  | 12/16/22 17:50 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG556406PBW     | PBW  | 12/16/22 17:54 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG556866PBW     | PBW  | 12/16/22 17:58 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L77638-02AS     | AS   | 12/16/22 18:03 | MS221207-2 | .05005 | U      | .044163 | mg/L  | 88   | 70       | 130     |     |       |      |
| L77638-02ASD    | ASD  | 12/16/22 18:05 | MS221207-2 | .05005 | U      | .043651 | mg/L  | 87   | 70       | 130     | 1   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557198</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557198ICV     | ICV  | 12/21/22 19:59 | MS220930-3 | .05 |        | .05101 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG557198ICB     | ICB  | 12/21/22 20:01 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG557198LFB     | LFB  | 12/21/22 20:03 | MS221207-2 | .05 |        | .05172 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG556866PBW     | PBW  | 12/21/22 20:05 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L77670-01AS     | AS   | 12/21/22 20:10 | MS221207-2 | .05 | .00285 | .05208 | mg/L  | 98   | 70       | 130     |     |       |      |
| L77670-01ASD    | ASD  | 12/21/22 20:12 | MS221207-2 | .05 | .00285 | .05304 | mg/L  | 100  | 70       | 130     | 2   | 20    |      |
| WG556910PBW     | PBW  | 12/21/22 20:27 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG556822</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG556822ICV     | ICV  | 12/15/22 15:34 | WI221215-11 | .3003 |        | .289  | mg/L  | 96   | 90     | 110   |     |       |      |
| WG556822ICB     | ICB  | 12/15/22 15:35 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG556668LRB     | LRB  | 12/15/22 15:36 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG556668LFB     | LFB  | 12/15/22 15:37 | WI221130-6  | .2002 |        | .2073 | mg/L  | 104  | 90     | 110   |     |       |      |
| L77664-10DUP    | DUP  | 12/15/22 15:59 |             |       | .02    | .0276 | mg/L  |      |        |       | 32  | 20    | RA   |
| L77667-01LFM    | LFM  | 12/15/22 16:00 | WI221130-6  | .2002 | U      | .2109 | mg/L  | 105  | 90     | 110   |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG557476</b> |      |               |            |        |        |       |       |      |        |       |     |       |      |
| WG557476ICV     | ICV  | 12/31/22 5:00 | II221212-1 | 2      |        | 1.934 | mg/L  | 97   | 95     | 105   |     |       |      |
| WG557476ICB     | ICB  | 12/31/22 5:06 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG556675LRB     | LRB  | 12/31/22 5:19 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG556675LFB     | LFB  | 12/31/22 5:22 | II221202-2 | 1.0013 |        | 1.002 | mg/L  | 100  | 85     | 115   |     |       |      |
| L77637-05LFM    | LFM  | 12/31/22 5:48 | II221202-2 | 1.0013 | .193   | 1.231 | mg/L  | 104  | 70     | 130   |     |       |      |
| L77637-05LFMD   | LFMD | 12/31/22 5:58 | II221202-2 | 1.0013 | .193   | 1.256 | mg/L  | 106  | 70     | 130   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77667**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556904</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG556904ICV     | ICV  | 12/16/22 17:44 | MS220930-3 | .05   |        | .05301 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG556904ICB     | ICB  | 12/16/22 17:46 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG556904LFB     | LFB  | 12/16/22 17:48 | MS221207-2 | .0501 |        | .04672 | mg/L  | 93   | 85       | 115     |     |       |      |
| WG555284PBW     | PBW  | 12/16/22 17:50 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG556406PBW     | PBW  | 12/16/22 17:54 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG556866PBW     | PBW  | 12/16/22 17:58 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77638-02AS     | AS   | 12/16/22 18:03 | MS221207-2 | .0501 | U      | .0391  | mg/L  | 78   | 70       | 130     |     |       |      |
| L77638-02ASD    | ASD  | 12/16/22 18:05 | MS221207-2 | .0501 | U      | .03833 | mg/L  | 77   | 70       | 130     | 2   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556938</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG556938ICV     | ICV  | 12/18/22 15:06 | MS220930-3 | .05   |        | .05109 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG556938ICB     | ICB  | 12/18/22 15:08 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG556720LRB     | LRB  | 12/18/22 15:10 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG556720LFB     | LFB  | 12/18/22 15:12 | MS221207-2 | .0501 |        | .05006 | mg/L  | 100  | 85       | 115     |     |       |      |
| L77612-02LFM    | LFM  | 12/18/22 15:57 | MS221207-2 | .0501 | .00035 | .05188 | mg/L  | 103  | 70       | 130     |     |       |      |
| L77612-02LFMD   | LFMD | 12/18/22 15:59 | MS221207-2 | .0501 | .00035 | .0517  | mg/L  | 102  | 70       | 130     | 0   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556904</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG556904ICV     | ICV  | 12/16/22 17:44 | MS220930-3 | .05   |        | .05176 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG556904ICB     | ICB  | 12/16/22 17:46 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG556904LFB     | LFB  | 12/16/22 17:48 | MS221207-2 | .0498 |        | .04586 | mg/L  | 92   | 85       | 115     |     |       |      |
| WG555284PBW     | PBW  | 12/16/22 17:50 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG556406PBW     | PBW  | 12/16/22 17:54 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG556866PBW     | PBW  | 12/16/22 17:58 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L77638-02AS     | AS   | 12/16/22 18:03 | MS221207-2 | .0498 | .195   | .24916 | mg/L  | 109  | 70       | 130     |     |       |      |
| L77638-02ASD    | ASD  | 12/16/22 18:05 | MS221207-2 | .0498 | .195   | .24511 | mg/L  | 101  | 70       | 130     | 2   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG556702</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG556702ICV     | ICV  | 12/15/22 11:42 | HG221212-3 | .005005 |        | .00522 | mg/L  | 104  | 95       | 105     |     |       |      |
| WG556702ICB     | ICB  | 12/15/22 11:42 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG556704</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG556704LRB     | LRB  | 12/15/22 12:40 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG556704LFB     | LFB  | 12/15/22 12:40 | HG221212-6 | .002002 |        | .00201 | mg/L  | 100  | 85       | 115     |     |       |      |
| L77646-01LFM    | LFM  | 12/15/22 13:02 | HG221212-6 | .002002 | U      | .00194 | mg/L  | 97   | 85       | 115     |     |       |      |
| L77646-01LFMD   | LFMD | 12/15/22 13:03 | HG221212-6 | .002002 | U      | .002   | mg/L  | 100  | 85       | 115     | 3   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77667**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG556892</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG556892LCSW1   | LCSW | 12/20/22 17:25 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG556892LCSW4   | LCSW | 12/20/22 20:52 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L77668-01DUP    | DUP  | 12/20/22 23:29 |          |    | 7.9    | 7.9   | units |      |       |       | 0   | 20    |      |
| WG556892LCSW7   | LCSW | 12/21/22 0:17  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG556892LCSW10  | LCSW | 12/21/22 4:08  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG556892LCSW13  | LCSW | 12/21/22 8:21  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG556892LCSW16  | LCSW | 12/21/22 10:15 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG556905</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG556905PBW     | PBW  | 12/16/22 19:20 |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG556905LCSW    | LCSW | 12/16/22 19:22 | PCN623497 | 100 |        | 100   | mg/L  | 100  | 80    | 120   |     |       |      |
| L77730-01DUP    | DUP  | 12/16/22 20:20 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557077</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557077ICV     | ICV  | 12/20/22 18:28 | MS220930-3 | .02 |        | .02084 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG557077ICB     | ICB  | 12/20/22 18:29 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557077LFB     | LFB  | 12/20/22 18:31 | MS221207-2 | .01 |        | .01046 | mg/L  | 105  | 85       | 115     |     |       |      |
| WG556866PBW     | PBW  | 12/20/22 18:33 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77670-01AS     | AS   | 12/20/22 18:38 | MS221207-2 | .01 | U      | .0098  | mg/L  | 98   | 70       | 130     |     |       |      |
| L77670-01ASD    | ASD  | 12/20/22 18:40 | MS221207-2 | .01 | U      | .00987 | mg/L  | 99   | 70       | 130     | 1   | 20    |      |
| WG556910PBW     | PBW  | 12/20/22 18:58 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG556904</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG556904ICV     | ICV  | 12/16/22 17:44 | MS220930-3 | .05     |        | .0499 | mg/L  | 100  | 90      | 110    |     |       |      |
| WG556904ICB     | ICB  | 12/16/22 17:46 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG556904LFB     | LFB  | 12/16/22 17:48 | MS221207-2 | .050075 |        | .0481 | mg/L  | 96   | 85      | 115    |     |       |      |
| WG555284PBW     | PBW  | 12/16/22 17:50 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG556406PBW     | PBW  | 12/16/22 17:54 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG556866PBW     | PBW  | 12/16/22 17:58 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L77638-02AS     | AS   | 12/16/22 18:03 | MS221207-2 | .050075 | .0063  | .041  | mg/L  | 69   | 70      | 130    |     |       | M2   |
| L77638-02ASD    | ASD  | 12/16/22 18:05 | MS221207-2 | .050075 | .0063  | .04   | mg/L  | 67   | 70      | 130    | 2   | 20    | M2   |

**Ouray Silver Mines**

ACZ Project ID: **L77667**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77667-01 | WG556822 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG556905 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|           |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|           | WG556904 | Zinc, potentially dissolved         | M200.8 ICP-MS                                 | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |

**Ouray Silver Mines**

ACZ Project ID: **L77667**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L77667

Date Received: 12/07/2022 10:34

Received By:

Date Printed: 12/13/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp Criteria (°C) | Rad (µR/Hr) | Custody Seal Intact? |
|-----------|-----------|--------------------|-------------|----------------------|
| NA39091   | 0.7       | <=6.0              | 15          | N/A                  |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L77667

Date Received: 12/07/2022 10:34

Received By:

Date Printed: 12/13/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).





January 25, 2023

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable

Project ID:

ACZ Project ID: L77831

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on December 14, 2022. This project has been assigned to ACZ's project number, L77831. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L77831. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after February 24, 2023. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

*Mark McNeal*

Mark McNeal has reviewed  
and approved this report.



Ouray Silver Mines

January 25, 2023

Project ID:

ACZ Project ID: L77831

#### Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 7 miscellaneous samples from Ouray Silver Mines on December 14, 2022. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L77831. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

#### Holding Times

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

#### Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The below is from WG557138

Qualifier: H1

Applies to: L77831-02/TOTAL DISSOLVED SOLIDS

L77831-04/TOTAL DISSOLVED SOLIDS

L77831-05/TOTAL DISSOLVED SOLIDS

L77831-06/TOTAL DISSOLVED SOLIDS

L77831-07/TOTAL DISSOLVED SOLIDS

Sample prep or analysis performed past holding time. Sample received within hold. Login/login review past hold. Ran as soon as possible.

2. The below is from WG557202

Qualifier: H1

Applies to: L77831-01/TOTAL SUSPENDED SOLIDS

L77831-04/TOTAL SUSPENDED SOLIDS

L77831-05/TOTAL SUSPENDED SOLIDS

L77831-06/TOTAL SUSPENDED SOLIDS

L77831-07/TOTAL SUSPENDED SOLIDS

Sample prep or analysis performed past holding time. Sample received within hold. Login/Login Review past hold. Ran as soon as possible.

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L77831-01**

Date Sampled: 12/13/22 09:58

Date Received: 12/14/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 12/30/22 13:43 | gjl     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 12/22/22 12:45 | wgm     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 12/22/22 15:48 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 01/06/23 19:55 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000250 |      |    | mg/L  | 0.00005 | 0.00025 | 01/04/23 19:54 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 01/04/23 19:54 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | 0.099    | B    |    | mg/L  | 0.06    | 0.15    | 01/10/23 21:59 | aeh     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00121  |      |    | mg/L  | 0.0001  | 0.0005  | 01/04/23 19:54 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00270  |      |    | mg/L  | 0.0001  | 0.0005  | 12/28/22 18:48 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.261    |      |    | mg/L  | 0.0004  | 0.002   | 01/04/23 19:54 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 12/22/22 12:36 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/04/23 19:54 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.131    |      |    | mg/L  | 0.006   | 0.015   | 01/04/23 19:54 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 12/22/22 14:39 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.0    | H    |    | units | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.1   |      |    | C     | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | UH   | *  | mg/L  | 5     | 20   | 12/21/22 21:07 | jck     |

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L77831-02**

Date Sampled: 12/13/22 09:58

Date Received: 12/14/22

Sample Matrix: *Waste Water*

**Inorganic Prep**

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 12/22/22 16:00 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 12/22/22 16:00 | kja     |

**Metals Analysis**

| Parameter                             | EPA Method                                   | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|---------------------------------------|----------------------------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Arsenic, total recoverable            | M200.8 ICP-MS                                | 1        | 0.00097  | B    |    | mg/L  | 0.0002  | 0.001   | 12/26/22 16:14 | kja     |
| Cadmium, total                        | M200.8 ICP-MS                                | 1        | 0.000307 |      |    | mg/L  | 0.00005 | 0.00025 | 12/28/22 18:50 | kja     |
| Chromium, total recoverable           | M200.8 ICP-MS                                | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 12/26/22 16:14 | kja     |
| Chromium, Trivalent Total Recoverable | Calculation (Total Recoverable - Hexavalent) |          | <0.005   | U    |    | mg/L  | 0.005   | 0.02    | 01/25/23 0:00  | calc    |
| Copper, total                         | M200.8 ICP-MS                                | 1        | 0.00189  | B    |    | mg/L  | 0.0008  | 0.002   | 01/03/23 12:21 | kja     |
| Mercury, total                        | M1631E, Atomic Fluorescence                  | 1        | 0.41     | B    |    | ng/L  | 0.3     | 1       | 01/04/23 10:19 | mlh     |
| Zinc, total                           | M200.8 ICP-MS                                | 1        | 0.152    |      |    | mg/L  | 0.006   | 0.015   | 12/28/22 18:50 | kja     |

**Wet Chemistry**

| Parameter                       | EPA Method | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|---------------------------------|------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Dissolved Chromium, Hexavalent  | SM3500Cr-B | 1        | <0.005 | UH   | *  | mg/L  | 0.005 | 0.02 | 12/21/22 14:22 | svm     |
| Residue, Filterable (TDS) @180C | SM2540C    | 1        | 268    | H    | *  | mg/L  | 20    | 40   | 12/21/22 11:50 | emk     |

**Ouray Silver Mines**

Project ID:

Sample ID: HG TRIP BLANK

ACZ Sample ID: **L77831-03**

Date Sampled: 12/13/22 10:28

Date Received: 12/14/22

Sample Matrix: *Waste Water*

Metals Analysis

| Parameter      | EPA Method                  | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|----------------|-----------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Mercury, total | M1631E, Atomic Fluorescence | 1        | <0.3   | U    |    | ng/L  | 0.3 | 1   | 01/04/23 10:24 | mlh     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L77831-04**

Date Sampled: 12/12/22 09:18

Date Received: 12/14/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/21/22 16:49 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/08/23 19:05 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL    | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|--------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25   | 01/10/23 21:51 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 2        | 0.00085  | B    |    | mg/L  | 0.0008  | 0.004  | 01/05/23 12:15 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 2        | 0.00216  |      |    | mg/L  | 0.0004  | 0.002  | 01/05/23 12:15 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0284   | B    |    | mg/L  | 0.009   | 0.035  | 01/10/23 21:51 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 2        | <0.00016 | U    | *  | mg/L  | 0.00016 | 0.0005 | 01/05/23 12:15 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1    | 01/11/23 17:13 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 2        | 0.00174  |      |    | mg/L  | 0.0001  | 0.0005 | 01/05/23 12:15 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 60.9     |      |    | mg/L  | 0.1     | 0.5    | 01/10/23 21:51 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 2        | <0.001   | U    |    | mg/L  | 0.001   | 0.004  | 01/05/23 12:15 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 2        | <0.0016  | U    |    | mg/L  | 0.0016  | 0.004  | 01/05/23 12:15 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15   | 01/10/23 21:51 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 2        | 0.00059  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.56     |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:51 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | 2.05     |      |    | mg/L  | 0.01    | 0.05   | 01/10/23 21:51 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 12/22/22 12:09 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 2        | 0.00460  |      |    | mg/L  | 0.0004  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04   | 01/10/23 21:51 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.58     | B    |    | mg/L  | 0.2     | 1      | 01/10/23 21:51 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 2        | 0.00046  | B    |    | mg/L  | 0.0002  | 0.0005 | 01/05/23 12:15 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.1      |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:51 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 7.63     |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:51 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 2        | 0.00032  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025  | 01/10/23 21:51 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.578    |      |    | mg/L  | 0.02    | 0.05   | 01/10/23 21:51 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L77831-04**

Date Sampled: 12/12/22 09:18

Date Received: 12/14/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 59.1   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 59.1   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -2.6   |      |    | %        |       |      | 01/25/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | 4      |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | 3.8    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 8.45   |      | *  | mg/L     | 1     | 2    | 12/28/22 14:29 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 381    |      |    | umhos/cm | 1     | 10   | 12/22/22 12:55 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 12/22/22 11:07 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.26   | B    |    | mg/L     | 0.15  | 0.35 | 12/30/22 18:29 | jck     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 163    |      |    | mg/L     | 0.2   | 5    | 01/25/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.160  |      |    | mg/L     | 0.02  | 0.1  | 12/23/22 1:39  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.9    | H    |    | units    | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.1   |      |    | C        | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | UH   | *  | mg/L     | 0.01  | 0.05 | 01/24/23 11:41 | mrdr    |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 254    | H    | *  | mg/L     | 20    | 40   | 12/21/22 11:52 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 12/21/22 21:10 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 122    |      | *  | mg/L     | 5     | 25   | 12/30/22 17:25 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 251    |      |    | mg/L     |       |      | 01/25/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.01   |      |    |          |       |      | 01/25/23 0:00  | calc    |



**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L77831-05**

Date Sampled: 12/12/22 09:57

Date Received: 12/14/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/21/22 17:06 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/08/23 19:11 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL    | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|--------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25   | 01/10/23 21:54 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 2        | 0.00148  | B    |    | mg/L  | 0.0008  | 0.004  | 01/05/23 12:22 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 2        | 0.00266  |      |    | mg/L  | 0.0004  | 0.002  | 01/05/23 12:22 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0312   | B    |    | mg/L  | 0.009   | 0.035  | 01/10/23 21:54 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 2        | <0.00016 | U    | *  | mg/L  | 0.00016 | 0.0005 | 01/05/23 12:22 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1    | 01/11/23 17:28 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 2        | 0.00262  |      |    | mg/L  | 0.0001  | 0.0005 | 01/05/23 12:22 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 62.9     |      |    | mg/L  | 0.1     | 0.5    | 01/10/23 21:54 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 2        | <0.001   | U    |    | mg/L  | 0.001   | 0.004  | 01/05/23 12:22 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 2        | <0.0016  | U    |    | mg/L  | 0.0016  | 0.004  | 01/05/23 12:22 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15   | 01/10/23 21:54 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.56     |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:54 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | 3.15     |      |    | mg/L  | 0.01    | 0.05   | 01/10/23 21:54 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 12/22/22 12:10 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 2        | 0.00287  |      |    | mg/L  | 0.0004  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04   | 01/10/23 21:54 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.52     | B    |    | mg/L  | 0.2     | 1      | 01/10/23 21:54 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 2        | 0.00057  |      |    | mg/L  | 0.0002  | 0.0005 | 01/05/23 12:22 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 7.8      |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:54 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 7.61     |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:54 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 2        | 0.00038  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025  | 01/10/23 21:54 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.833    |      |    | mg/L  | 0.02    | 0.05   | 01/10/23 21:54 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L77831-05**

Date Sampled: 12/12/22 09:57

Date Received: 12/14/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 53.0   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 53.0   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 1.3    |      |    | %        |       |      | 01/25/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | 3.9    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | 4      |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.80   | B    | *  | mg/L     | 1     | 2    | 12/28/22 14:30 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 394    |      |    | umhos/cm | 1     | 10   | 12/22/22 13:04 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 12/22/22 11:09 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.24   | B    |    | mg/L     | 0.15  | 0.35 | 12/30/22 18:33 | jck     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 168    |      |    | mg/L     | 0.2   | 5    | 01/25/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.165  |      |    | mg/L     | 0.02  | 0.1  | 12/23/22 1:40  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.0    | H    |    | units    | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.2   |      |    | C        | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | UH   | *  | mg/L     | 0.01  | 0.05 | 01/24/23 11:45 | mrdr    |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 270    | H    | *  | mg/L     | 20    | 40   | 12/21/22 11:54 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 12/21/22 21:12 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 133    |      | *  | mg/L     | 5     | 25   | 12/30/22 17:25 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 255    |      |    | mg/L     |       |      | 01/25/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.06   |      |    |          |       |      | 01/25/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L77831-06**

Date Sampled: 12/12/22 10:32

Date Received: 12/14/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/21/22 17:14 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/08/23 19:17 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 01/10/23 21:57 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 2        | 0.00134  | B    |    | mg/L  | 0.0008  | 0.004   | 01/05/23 12:24 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 2        | 0.00499  |      |    | mg/L  | 0.0004  | 0.002   | 01/05/23 12:24 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0277   | B    |    | mg/L  | 0.009   | 0.035   | 01/10/23 21:57 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | 0.000154 | B    |    | mg/L  | 0.00008 | 0.00025 | 01/18/23 13:56 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 01/11/23 17:31 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 2        | 0.0105   |      |    | mg/L  | 0.0001  | 0.0005  | 01/05/23 12:24 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 73.9     |      |    | mg/L  | 0.1     | 0.5     | 01/10/23 21:57 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 2        | <0.001   | U    |    | mg/L  | 0.001   | 0.004   | 01/05/23 12:24 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 2        | <0.0016  | U    |    | mg/L  | 0.0016  | 0.004   | 01/05/23 12:24 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | 0.119    | B    |    | mg/L  | 0.06    | 0.15    | 01/10/23 21:57 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 2        | 0.00054  | B    |    | mg/L  | 0.0002  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 5.00     |      |    | mg/L  | 0.2     | 1       | 01/10/23 21:57 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | 14.6     |      |    | mg/L  | 0.01    | 0.05    | 01/10/23 21:57 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 12/22/22 12:11 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 2        | 0.00531  |      |    | mg/L  | 0.0004  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 01/10/23 21:57 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.82     | B    |    | mg/L  | 0.2     | 1       | 01/10/23 21:57 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 2        | 0.00033  | B    |    | mg/L  | 0.0002  | 0.0005  | 01/05/23 12:24 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.7      |      |    | mg/L  | 0.2     | 1       | 01/10/23 21:57 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 13.7     |      |    | mg/L  | 0.2     | 1       | 01/10/23 21:57 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 2        | 0.00064  | B    |    | mg/L  | 0.0002  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 01/10/23 21:57 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 3.43     |      |    | mg/L  | 0.02    | 0.05    | 01/10/23 21:57 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L77831-06**

Date Sampled: 12/12/22 10:32

Date Received: 12/14/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 63.4   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 63.4   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 5.4    |      |    | %        |       |      | 01/25/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | 5.3    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | 5.9    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.79   | B    | *  | mg/L     | 1     | 2    | 12/28/22 14:31 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 526    |      |    | umhos/cm | 1     | 10   | 12/22/22 13:13 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 12/22/22 11:09 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.47   |      |    | mg/L     | 0.15  | 0.35 | 12/30/22 18:38 | jck     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 205    |      |    | mg/L     | 0.2   | 5    | 01/25/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.121  |      |    | mg/L     | 0.02  | 0.1  | 12/23/22 1:42  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.9    | H    |    | units    | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.3   |      |    | C        | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | 0.024  | BH   | *  | mg/L     | 0.01  | 0.05 | 01/24/23 11:46 | mrdr    |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 374    | H    | *  | mg/L     | 20    | 40   | 12/21/22 11:55 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | 11.0   | BH   | *  | mg/L     | 5     | 20   | 12/21/22 21:15 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 186    |      | *  | mg/L     | 5     | 25   | 12/30/22 17:23 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 350    |      |    | mg/L     |       |      | 01/25/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.07   |      |    |          |       |      | 01/25/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-4

ACZ Sample ID: **L77831-07**

Date Sampled: 12/12/22 10:53

Date Received: 12/14/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/21/22 17:31 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/08/23 19:23 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL    | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|--------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25   | 01/10/23 22:00 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 2        | 0.00174  | B    |    | mg/L  | 0.0008  | 0.004  | 01/05/23 12:27 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 2        | 0.0109   |      |    | mg/L  | 0.0004  | 0.002  | 01/05/23 12:27 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0283   | B    |    | mg/L  | 0.009   | 0.035  | 01/10/23 22:00 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 2        | <0.00016 | U    | *  | mg/L  | 0.00016 | 0.0005 | 01/05/23 12:27 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | 0.033    | B    |    | mg/L  | 0.03    | 0.1    | 01/11/23 17:34 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 2        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005 | 01/05/23 12:27 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 68.1     |      |    | mg/L  | 0.1     | 0.5    | 01/10/23 22:00 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 2        | <0.001   | U    |    | mg/L  | 0.001   | 0.004  | 01/05/23 12:27 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 2        | <0.0016  | U    |    | mg/L  | 0.0016  | 0.004  | 01/05/23 12:27 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15   | 01/10/23 22:00 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 2        | 0.00038  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 3.20     |      |    | mg/L  | 0.2     | 1      | 01/10/23 22:00 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05   | 01/10/23 22:00 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 12/22/22 12:12 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 2        | 0.00816  |      |    | mg/L  | 0.0004  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04   | 01/10/23 22:00 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.65     | B    |    | mg/L  | 0.2     | 1      | 01/10/23 22:00 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 2        | 0.00046  | B    |    | mg/L  | 0.0002  | 0.0005 | 01/05/23 12:27 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.2      |      |    | mg/L  | 0.2     | 1      | 01/10/23 22:00 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 13.6     |      |    | mg/L  | 0.2     | 1      | 01/10/23 22:00 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 2        | 0.00100  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025  | 01/10/23 22:00 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05   | 01/10/23 22:00 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-4

ACZ Sample ID: **L77831-07**

Date Sampled: 12/12/22 10:53

Date Received: 12/14/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 92.9   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 92.9   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -3.4   |      |    | %        |       |      | 01/25/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | 4.6    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | 4.3    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.96   | B    | *  | mg/L     | 1     | 2    | 12/28/22 14:31 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 429    |      |    | umhos/cm | 1     | 10   | 12/22/22 13:23 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 12/22/22 11:11 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.40   |      |    | mg/L     | 0.15  | 0.35 | 12/30/22 18:42 | jck     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 183    |      |    | mg/L     | 0.2   | 5    | 01/25/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.200  |      |    | mg/L     | 0.02  | 0.1  | 12/23/22 1:43  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.3    | H    |    | units    | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.3   |      |    | C        | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | UH   | *  | mg/L     | 0.01  | 0.05 | 01/24/23 11:47 | mrdr    |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 288    | H    | *  | mg/L     | 20    | 40   | 12/21/22 11:57 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 12/21/22 21:17 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 127    |      | *  | mg/L     | 5     | 25   | 12/30/22 17:25 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 282    |      |    | mg/L     |       |      | 01/25/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.02   |      |    |          |       |      | 01/25/23 0:00  | calc    |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557164</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG557164PBW1    | PBW  | 12/21/22 19:40 |            |          |        | 2.2   | mg/L  |      | -20   | 20    |     |       |      |
| WG557164LCSW3   | LCSW | 12/21/22 20:02 | WC221219-8 | 820.0001 |        | 822.2 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG557164LCSW6   | LCSW | 12/21/22 23:34 | WC221219-8 | 820.0001 |        | 822.9 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG557164PBW2    | PBW  | 12/21/22 23:42 |            |          |        | 7     | mg/L  |      | -20   | 20    |     |       |      |
| WG557164LCSW12  | LCSW | 12/22/22 7:49  | WC221219-8 | 820.0001 |        | 813.1 | mg/L  | 99   | 90    | 110   |     |       |      |
| WG557164PBW4    | PBW  | 12/22/22 7:58  |            |          |        | 7.5   | mg/L  |      | -20   | 20    |     |       |      |
| WG557164LCSW15  | LCSW | 12/22/22 12:03 | WC221219-8 | 820.0001 |        | 834.5 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG557164PBW5    | PBW  | 12/22/22 12:12 |            |          |        | 7.4   | mg/L  |      | -20   | 20    |     |       |      |
| L77831-07DUP    | DUP  | 12/22/22 13:32 |            |          | 92.9   | 78.5  | mg/L  |      |       |       | 17  | 20    |      |
| WG557164LCSW18  | LCSW | 12/22/22 13:53 | WC221219-8 | 820.0001 |        | 812.7 | mg/L  | 99   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2      |        | 2.07  | mg/L  | 104  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 1.0008 |        | 1.072 | mg/L  | 107  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 1.0008 | .257   | 1.306 | mg/L  | 105  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 1.0008 | .257   | 1.312 | mg/L  | 105  | 85    | 115   | 0   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .0201 |        | .02037 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |       |        | .00083 | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .01   |        | .00986 | mg/L  | 99   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .02   | .00085 | .02029 | mg/L  | 97   | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .02   | .00085 | .02117 | mg/L  | 102  | 70       | 130     | 4   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05   |        | .05038 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |       |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .0501 |        | .04679 | mg/L  | 93   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1002 | .00216 | .1067  | mg/L  | 104  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1002 | .00216 | .10276 | mg/L  | 100  | 70       | 130     | 4   | 20    |      |

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557318</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557318ICV     | ICV  | 12/26/22 15:18 | MS220930-3 | .05   |        | .04902 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG557318ICB     | ICB  | 12/26/22 15:19 |            |       |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG557218LRB     | LRB  | 12/26/22 15:21 |            |       |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557218LFB     | LFB  | 12/26/22 15:23 | MS221207-2 | .0501 |        | .04922 | mg/L  | 98   | 85       | 115     |     |       |      |
| L77714-01LFM    | LFM  | 12/26/22 16:09 | MS221207-2 | .0501 | .00088 | .04947 | mg/L  | 97   | 70       | 130     |     |       |      |
| L77714-01LFMD   | LFMD | 12/26/22 16:11 | MS221207-2 | .0501 | .00088 | .04816 | mg/L  | 94   | 70       | 130     | 3   | 20    |      |



**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |      |        |       |       |      |        |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2    |        | 2.044 | mg/L  | 102  | 95     | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |      |        | U     | mg/L  |      | -0.027 | 0.027 |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .502 |        | .5128 | mg/L  | 102  | 85     | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .502 | .033   | .5349 | mg/L  | 100  | 85     | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .502 | .033   | .5307 | mg/L  | 99   | 85     | 115   | 1   | 20    |      |

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05    |        | .051474 | mg/L  | 103  | 90        | 110      |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05005 |        | .048219 | mg/L  | 96   | 85        | 115      |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1001  | U      | .11107  | mg/L  | 111  | 70        | 130      |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1001  | U      | .10974  | mg/L  | 110  | 70        | 130      | 1   | 20    |      |

**WG558703**

|              |     |                |            |        |   |         |      |     |           |          |   |    |  |
|--------------|-----|----------------|------------|--------|---|---------|------|-----|-----------|----------|---|----|--|
| WG558703ICV  | ICV | 01/18/23 13:31 | MS221228-3 | .05    |   | .053057 | mg/L | 106 | 90        | 110      |   |    |  |
| WG558703ICB  | ICB | 01/18/23 13:33 |            |        |   | U       | mg/L |     | -0.000176 | 0.000176 |   |    |  |
| WG558703LFB  | LFB | 01/18/23 13:35 | MS230110-5 | .05005 |   | .05024  | mg/L | 100 | 85        | 115      |   |    |  |
| L77808-06AS  | AS  | 01/18/23 13:42 | MS230110-5 | .5005  | U | .4719   | mg/L | 94  | 70        | 130      |   |    |  |
| L77808-06ASD | ASD | 01/18/23 13:44 | MS230110-5 | .5005  | U | .48067  | mg/L | 96  | 70        | 130      | 2 | 20 |  |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558234</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG558234ICV     | ICV  | 01/11/23 15:51 | II230106-2 | 2     |        | 2.043 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG558234ICB     | ICB  | 01/11/23 15:57 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG558234LFB     | LFB  | 01/11/23 16:09 | II230103-5 | .5005 |        | .511  | mg/L  | 102  | 85    | 115   |     |       |      |
| L77831-04AS     | AS   | 01/11/23 17:22 | II230103-5 | .5005 | U      | .507  | mg/L  | 101  | 85    | 115   |     |       |      |
| L77831-04ASD    | ASD  | 01/11/23 17:25 | II230103-5 | .5005 | U      | .513  | mg/L  | 102  | 85    | 115   | 1   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05    |        | .051117 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05005 |        | .047135 | mg/L  | 94   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1001  | .00174 | .109118 | mg/L  | 107  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1001  | .00174 | .108395 | mg/L  | 107  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05    |        | .050497 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .05005 |        | .050614 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .05005 | U      | .05088  | mg/L  | 102  | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .05005 | U      | .050283 | mg/L  | 100  | 70       | 130     | 1   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG557402</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG557402ICV     | ICV  | 12/28/22 17:52 | MS220930-3 | .05    |        | .052809 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG557402ICB     | ICB  | 12/28/22 17:54 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG557220LRB     | LRB  | 12/28/22 17:55 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG557220LFB     | LFB  | 12/28/22 17:57 | MS221207-2 | .05005 |        | .050241 | mg/L  | 100  | 85       | 115     |     |       |      |
| L77799-03LFM    | LFM  | 12/28/22 18:42 | MS221207-2 | .05005 | U      | .048865 | mg/L  | 98   | 70       | 130     |     |       |      |
| L77799-03LFMD   | LFMD | 12/28/22 18:44 | MS221207-2 | .05005 | U      | .048969 | mg/L  | 98   | 70       | 130     | 0   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 100      |        | 99.52 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 67.99353 |        | 70.84 | mg/L  | 104  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 67.99353 | 80.8   | 146.1 | mg/L  | 96   | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 67.99353 | 80.8   | 144.3 | mg/L  | 93   | 85    | 115   | 1   | 20    |      |

**Chloride**

SM4500Cl-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557414</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG557414ICV     | ICV  | 12/28/22 14:09 | WI220502-12 | 54.945 |        | 55.14 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG557414ICB     | ICB  | 12/28/22 14:09 |             |        |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG557414LFB1    | LFB  | 12/28/22 14:10 | WI221025-9  | 30.03  |        | 28.17 | mg/L  | 94   | 90    | 110   |     |       |      |
| WG557414LFB2    | LFB  | 12/28/22 14:25 | WI221025-9  | 30.03  |        | 30.63 | mg/L  | 102  | 90    | 110   |     |       |      |
| L77831-04AS     | AS   | 12/28/22 14:30 | WI221025-9  | 30.03  | 8.45   | 33.51 | mg/L  | 83   | 90    | 110   |     |       | M2   |
| L77831-05DUP    | DUP  | 12/28/22 14:30 |             |        | 1.8    | 1.57  | mg/L  |      |       |       | 14  | 20    | RA   |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG557831</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05   |        | .05197 | mg/L  | 104  | 90      | 110    |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .0501 |        | .04729 | mg/L  | 94   | 85      | 115    |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1002 | U      | .10402 | mg/L  | 104  | 70      | 130    |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1002 | U      | .0995  | mg/L  | 99   | 70      | 130    | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chromium, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG557318</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG557318ICV     | ICV  | 12/26/22 15:18 | MS220930-3 | .05   |        | .04951 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG557318ICB     | ICB  | 12/26/22 15:19 |            |       |        | U      | mg/L  |      | -0.0015 | 0.0015 |     |       |      |
| WG557218LRB     | LRB  | 12/26/22 15:21 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG557218LFB     | LFB  | 12/26/22 15:23 | MS221207-2 | .0501 |        | .04925 | mg/L  | 98   | 85      | 115    |     |       |      |
| L77714-01LFM    | LFM  | 12/26/22 16:09 | MS221207-2 | .0501 | U      | .04674 | mg/L  | 93   | 70      | 130    |     |       |      |
| L77714-01LFMD   | LFMD | 12/26/22 16:11 | MS221207-2 | .0501 | U      | .04594 | mg/L  | 92   | 70      | 130    | 2   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG557164</b> |      |                |           |      |        |       |          |      |       |       |     |       |      |
| WG557164LCSW2   | LCSW | 12/21/22 19:47 | PCN623869 | 1410 |        | 1407  | umhos/cm | 100  | 90    | 110   |     |       |      |
| WG557164LCSW5   | LCSW | 12/21/22 23:19 | PCN623869 | 1410 |        | 1401  | umhos/cm | 99   | 90    | 110   |     |       |      |
| WG557164LCSW8   | LCSW | 12/22/22 4:21  | PCN623869 | 1410 |        | 1399  | umhos/cm | 99   | 90    | 110   |     |       |      |
| WG557164LCSW11  | LCSW | 12/22/22 7:35  | PCN623869 | 1410 |        | 1385  | umhos/cm | 98   | 90    | 110   |     |       |      |
| WG557164LCSW14  | LCSW | 12/22/22 11:48 | PCN623869 | 1410 |        | 1384  | umhos/cm | 98   | 90    | 110   |     |       |      |
| L77831-07DUP    | DUP  | 12/22/22 13:32 |           |      | 429    | 426   | umhos/cm |      |       |       | 1   | 20    |      |
| WG557164LCSW17  | LCSW | 12/22/22 13:39 | PCN623869 | 1410 |        | 1372  | umhos/cm | 97   | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05 |        | .05293 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05 |        | .04744 | mg/L  | 95   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1  | U      | .09901 | mg/L  | 99   | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1  | U      | .09519 | mg/L  | 95   | 70       | 130     | 4   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05 |        | .05259 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .05 |        | .05069 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .05 | .00345 | .05152 | mg/L  | 96   | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .05 | .00345 | .05144 | mg/L  | 96   | 70       | 130     | 0   | 20    |      |

**Copper, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557627</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557627ICV     | ICV  | 01/03/23 11:51 | MS221228-3 | .05 |        | .05406 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG557627ICB     | ICB  | 01/03/23 11:52 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG557220LRB     | LRB  | 01/03/23 11:54 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG557220LFB     | LFB  | 01/03/23 11:56 | MS221207-2 | .05 |        | .05072 | mg/L  | 101  | 85       | 115     |     |       |      |
| L77799-03LFM    | LFM  | 01/03/23 12:18 | MS221207-2 | .05 | .00277 | .04758 | mg/L  | 90   | 70       | 130     |     |       |      |
| L77799-03LFMD   | LFMD | 01/03/23 12:20 | MS221207-2 | .05 | .00277 | .04664 | mg/L  | 88   | 70       | 130     | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG557224</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG557224ICV     | ICV  | 12/22/22 10:12 | WI221216-15 | .3003 |        | .2895 | mg/L  | 96   | 90     | 110   |     |       |      |
| WG557224ICB     | ICB  | 12/22/22 10:13 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG557229</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG557153LRB     | LRB  | 12/22/22 10:53 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG557153LFB     | LFB  | 12/22/22 10:54 | WI221216-14 | .2    |        | .2071 | mg/L  | 104  | 90     | 110   |     |       |      |
| L77831-04DUP    | DUP  | 12/22/22 11:08 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L77831-06LFM    | LFM  | 12/22/22 11:10 | WI221216-14 | .2    | U      | .2053 | mg/L  | 103  | 90     | 110   |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG557224</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG557224ICV     | ICV  | 12/22/22 10:12 | WI221216-15 | .3003 |        | .2895 | mg/L  | 96   | 90     | 110   |     |       |      |
| WG557224ICB     | ICB  | 12/22/22 10:13 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG557253</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG557216LRB     | LRB  | 12/22/22 14:15 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG557216LFB     | LFB  | 12/22/22 14:16 | WI221216-12 | .2002 |        | .1913 | mg/L  | 96   | 90     | 110   |     |       |      |
| L77725-01LFM    | LFM  | 12/22/22 14:37 | 1XCN        | .4    | U      | .3862 | mg/L  | 97   | 90     | 110   |     |       |      |
| L77831-01DUP    | DUP  | 12/22/22 14:40 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Dissolved Chromium, Hexavalent**

SM3500Cr-B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG557163</b> |      |                |            |     |        |       |       |      |        |       |     |       |      |
| WG557163ICV     | ICV  | 12/21/22 13:45 | WC221014-5 | .05 |        | .0487 | mg/L  | 97   | 90     | 110   |     |       |      |
| WG557163ICB     | ICB  | 12/21/22 13:57 |            |     |        | U     | mg/L  |      | -0.005 | 0.005 |     |       |      |
| WG557163LFB     | LFB  | 12/21/22 14:09 | WC221014-7 | .05 |        | .0494 | mg/L  | 99   | 90     | 110   |     |       |      |
| L77836-02AS     | AS   | 12/21/22 16:50 | WC221014-7 | .25 | U      | .2695 | mg/L  | 108  | 90     | 110   |     |       |      |
| L77836-02DUP    | DUP  | 12/21/22 17:02 |            |     | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557576</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557576ICV     | ICV  | 12/30/22 15:50 | WC221228-1 | 2.008 |        | 2.17  | mg/L  | 108  | 90    | 110   |     |       |      |
| WG557576ICB     | ICB  | 12/30/22 15:57 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG557576LFB     | LFB  | 12/30/22 16:07 | WC221227-7 | 5.02  |        | 5.21  | mg/L  | 104  | 90    | 110   |     |       |      |
| L77624-02AS     | AS   | 12/30/22 17:35 | WC221227-7 | 5.02  | .3     | 5.38  | mg/L  | 101  | 90    | 110   |     |       |      |
| L77624-02ASD    | ASD  | 12/30/22 17:39 | WC221227-7 | 5.02  | .3     | 5.33  | mg/L  | 100  | 90    | 110   | 1   | 20    |      |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2     |        | 2.011 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |       |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 1.004 |        | 1.02  | mg/L  | 102  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 1.004 | 1.92   | 2.842 | mg/L  | 92   | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 1.004 | 1.92   | 2.811 | mg/L  | 89   | 85    | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG558143</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG558143ICV     | ICV  | 01/10/23 20:17 | II230106-2 | 2     |        | 2.023 | mg/L  | 101  | 95     | 105   |     |       |      |
| WG558143ICB     | ICB  | 01/10/23 20:22 |            |       |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG557952LRB     | LRB  | 01/10/23 20:35 |            |       |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG557952LFB     | LFB  | 01/10/23 20:37 | II230103-5 | 1.004 |        | 1.04  | mg/L  | 104  | 85     | 115   |     |       |      |
| L77793-01LFM    | LFM  | 01/10/23 21:47 | II230103-5 | 1.004 | .107   | 1.092 | mg/L  | 98   | 70     | 130   |     |       |      |
| L77793-01LFMD   | LFMD | 01/10/23 21:50 | II230103-5 | 1.004 | .107   | 1.1   | mg/L  | 99   | 70     | 130   | 1   | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05   |        | .05199 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .0501 |        | .04794 | mg/L  | 96   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1002 | .00059 | .10688 | mg/L  | 106  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1002 | .00059 | .10372 | mg/L  | 103  | 70       | 130     | 3   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05   |        | .05165 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .0501 |        | .05182 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .0501 | .0003  | .05381 | mg/L  | 107  | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .0501 | .0003  | .05322 | mg/L  | 106  | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557402</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557402ICV     | ICV  | 12/28/22 17:52 | MS220930-3 | .05   |        | .05216 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG557402ICB     | ICB  | 12/28/22 17:54 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG557220LRB     | LRB  | 12/28/22 17:55 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557220LFB     | LFB  | 12/28/22 17:57 | MS221207-2 | .0501 |        | .04998 | mg/L  | 100  | 85       | 115     |     |       |      |
| L77799-03LFM    | LFM  | 12/28/22 18:42 | MS221207-2 | .0501 | U      | .05132 | mg/L  | 102  | 70       | 130     |     |       |      |
| L77799-03LFMD   | LFMD | 12/28/22 18:44 | MS221207-2 | .0501 | U      | .05182 | mg/L  | 103  | 70       | 130     | 1   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 100      |        | 98.42 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 49.99676 |        | 51.25 | mg/L  | 103  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 49.99676 | 17.2   | 66.41 | mg/L  | 98   | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 49.99676 | 17.2   | 65.62 | mg/L  | 97   | 85    | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2    |        | 2.009 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .499 |        | .513  | mg/L  | 103  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .499 | .068   | .571  | mg/L  | 101  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .499 | .068   | .566  | mg/L  | 100  | 85    | 115   | 1   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05   |        | .05148 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |       |        | .00065 | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .0498 |        | .052   | mg/L  | 104  | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |       |        | .00051 | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .0498 | .0519  | .10343 | mg/L  | 103  | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .0498 | .0519  | .10277 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557066</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG557066ICV1    | ICV  | 12/22/22 8:57  | HG221212-3 | .005005 |        | .00515 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG557066ICB     | ICB  | 12/22/22 8:58  |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG557207</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG557207LRB     | LRB  | 12/22/22 11:57 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557207LFB     | LFB  | 12/22/22 11:58 | HG221212-6 | .002002 |        | .00219 | mg/L  | 109  | 85       | 115     |     |       |      |
| L77817-01LFM    | LFM  | 12/22/22 12:00 | HG221212-6 | .002002 | U      | .00208 | mg/L  | 104  | 85       | 115     |     |       |      |
| L77817-01LFMD   | LFMD | 12/22/22 12:01 | HG221212-6 | .002002 | U      | .00212 | mg/L  | 106  | 85       | 115     | 2   | 20    |      |
| L77831-07LFM    | LFM  | 12/22/22 12:13 | HG221212-6 | .002002 | U      | .00213 | mg/L  | 106  | 85       | 115     |     |       |      |
| L77831-07LFMD   | LFMD | 12/22/22 12:14 | HG221212-6 | .002002 | U      | .00213 | mg/L  | 106  | 85       | 115     | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG554692</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG554692ICV     | ICV  | 11/11/22 10:46 | HG220913-4 | 10 |        | 8.85  | ng/L  | 89   | 79     | 121   |     |       |      |
| WG554692ICB     | ICB  | 11/11/22 10:50 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG557700</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG557700CCV1    | CCV  | 01/04/23 9:13  | HG221215-4 | 10 |        | 8.65  | ng/L  | 87   | 76.5   | 123.4 |     |       |      |
| WG557700CCB1    | CCB  | 01/04/23 9:17  |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG557700PQV     | PQV  | 01/04/23 9:22  | HG221215-6 | 1  |        | .93   | ng/L  | 93   | 70     | 130   |     |       |      |
| WG557700LFB     | LFB  | 01/04/23 9:27  | HG221215-5 | 2  |        | 1.74  | ng/L  | 87   | 71     | 125   |     |       |      |
| L77788-01MS     | MS   | 01/04/23 9:36  | HG221215-5 | 2  | .47    | 2.34  | ng/L  | 94   | 71     | 125   |     |       |      |
| L77788-01MSD    | MSD  | 01/04/23 9:41  | HG221215-5 | 2  | .47    | 2.16  | ng/L  | 85   | 71     | 125   | 8   | 24    |      |
| WG557700CCV2    | CCV  | 01/04/23 10:10 | HG221215-4 | 10 |        | 8.67  | ng/L  | 87   | 76.5   | 123.4 |     |       |      |
| WG557700CCB2    | CCB  | 01/04/23 10:15 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG557700CCV3    | CCV  | 01/04/23 11:07 | HG221215-4 | 10 |        | 7.75  | ng/L  | 78   | 76.5   | 123.4 |     |       |      |
| WG557700CCB3    | CCB  | 01/04/23 11:12 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557066</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG557066ICV1    | ICV  | 12/22/22 8:57  | HG221212-3 | .005005 |        | .00515 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG557066ICB     | ICB  | 12/22/22 8:58  |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG557208</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG557208LRB     | LRB  | 12/22/22 12:20 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557208LFB     | LFB  | 12/22/22 12:21 | HG221212-6 | .002002 |        | .00209 | mg/L  | 104  | 85       | 115     |     |       |      |
| L77804-03LFM    | LFM  | 12/22/22 12:24 | HG221212-6 | .002002 | U      | .00224 | mg/L  | 112  | 85       | 115     |     |       |      |
| L77804-03LFMD   | LFMD | 12/22/22 12:25 | HG221212-6 | .002002 | U      | .00222 | mg/L  | 111  | 85       | 115     | 1   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .02    |        | .0198  | mg/L  | 99   | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05005 |        | .04676 | mg/L  | 93   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1001  | .0046  | .1119  | mg/L  | 107  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1001  | .0046  | .10996 | mg/L  | 105  | 70       | 130     | 2   | 20    |      |

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |      |        |       |       |      |        |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2    |        | 1.969 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |      |        | U     | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .502 |        | .5141 | mg/L  | 102  | 85     | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .502 | U      | .5102 | mg/L  | 102  | 85     | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .502 | U      | .5051 | mg/L  | 101  | 85     | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557284</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557284ICV     | ICV  | 12/22/22 23:00 | WI221206-7 | 2.416 |        | 2.373 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG557284ICB     | ICB  | 12/22/22 23:01 |            |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG557287</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557287LFB     | LFB  | 12/23/22 1:04  | WI220826-7 | 2     |        | 2.045 | mg/L  | 102  | 90    | 110   |     |       |      |
| L77595-01AS     | AS   | 12/23/22 1:26  | WI220826-7 | 2     | U      | 2.178 | mg/L  | 109  | 90    | 110   |     |       |      |
| L77595-02DUP    | DUP  | 12/23/22 1:28  |            |       | .439   | .455  | mg/L  |      |       |       | 4   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557164</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG557164LCSW1   | LCSW | 12/21/22 19:45 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG557164LCSW4   | LCSW | 12/21/22 23:17 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG557164LCSW10  | LCSW | 12/22/22 7:34  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG557164LCSW13  | LCSW | 12/22/22 11:46 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L77831-07DUP    | DUP  | 12/22/22 13:32 |          |    | 7.3    | 7.4   | units |      |       |       | 1   | 20    |      |
| WG557164LCSW16  | LCSW | 12/22/22 13:38 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG559082</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG559082ICV     | ICV  | 01/24/23 11:15 | WI221216-17 | .65228 |        | .652  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG559082ICB     | ICB  | 01/24/23 11:17 |             |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG558007LRB     | LRB  | 01/24/23 11:18 |             |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG558007LFB     | LFB  | 01/24/23 11:20 | WI230111-3  | .5     |        | .524  | mg/L  | 105  | 90    | 110   |     |       |      |
| L77831-07LFM    | LFM  | 01/24/23 11:48 | WI230111-3  | .5     | U      | .524  | mg/L  | 105  | 90    | 110   |     |       |      |
| L77832-01DUP    | DUP  | 01/24/23 11:50 |             |        | .103   | .096  | mg/L  |      |       |       | 7   | 20    | RA   |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 20       |        | 20.15 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 99.95798 |        | 102.7 | mg/L  | 103  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 99.95798 | 3.19   | 104.3 | mg/L  | 101  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 99.95798 | 3.19   | 103.5 | mg/L  | 100  | 85    | 115   | 1   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557138</b> |      |                |           |      |        |       |       |      |       |       |     |       |      |
| WG557138PBW     | PBW  | 12/21/22 11:15 |           |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG557138LCSW    | LCSW | 12/21/22 11:16 | PCN623967 | 1000 |        | 1000  | mg/L  | 100  | 80    | 120   |     |       |      |
| L77831-07DUP    | DUP  | 12/21/22 11:59 |           |      | 288    | 284   | mg/L  |      |       |       | 1   | 10    |      |



**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557202</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG557202PBW     | PBW  | 12/21/22 20:50 |           |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG557202LCSW    | LCSW | 12/21/22 20:52 | PCN623968 | 100 |        | 110   | mg/L  | 110  | 80    | 120   |     |       |      |
| L77831-07DUP    | DUP  | 12/21/22 21:20 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Selenium, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05    |        | .05211 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | .00014 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05005 |        | .04804 | mg/L  | 96   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1001  | .00046 | .11026 | mg/L  | 110  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1001  | .00046 | .1089  | mg/L  | 108  | 70       | 130     | 1   | 20    |      |

**Silica, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 42.8   |        | 43.95 | mg/L  | 103  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 21.428 |        | 22.9  | mg/L  | 107  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 21.428 | 16.5   | 38.86 | mg/L  | 104  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 21.428 | 16.5   | 38.42 | mg/L  | 102  | 85    | 115   | 1   | 20    |      |

**Silver, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .02    |        | .02106 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .01001 |        | .00983 | mg/L  | 98   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .02002 | U      | .02063 | mg/L  | 103  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .02002 | U      | .02066 | mg/L  | 103  | 70       | 130     | 0   | 20    |      |

**Silver, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .02    |        | .02108 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |        |        | .00016 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .01001 |        | .0098  | mg/L  | 98   | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .01001 | U      | .00915 | mg/L  | 91   | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .01001 | U      | .00974 | mg/L  | 97   | 70       | 130     | 6   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 100      |        | 99.45 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 100.0023 |        | 102   | mg/L  | 102  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 100.0023 | 7.48   | 108.1 | mg/L  | 101  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 100.0023 | 7.48   | 107.1 | mg/L  | 100  | 85    | 115   | 1   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557568</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557568ICB     | ICB  | 12/30/22 13:15 |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG557568ICV     | ICV  | 12/30/22 13:15 | WI221216-8 | 19.54 |        | 19.4  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG557568LFB     | LFB  | 12/30/22 16:47 | WI220830-3 | 10    |        | 9.4   | mg/L  | 94   | 90    | 110   |     |       |      |
| L77824-03AS     | AS   | 12/30/22 16:50 | WI220830-3 | 100   | 30.5   | 121.6 | mg/L  | 91   | 90    | 110   |     |       |      |
| L77824-04DUP    | DUP  | 12/30/22 16:50 |            |       | 31.9   | 30.7  | mg/L  |      |       |       | 4   | 20    | RA   |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05 |        | .05349 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05 |        | .04811 | mg/L  | 96   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1  | U      | .10418 | mg/L  | 104  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1  | U      | .1021  | mg/L  | 102  | 70       | 130     | 2   | 20    |      |

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05 |        | .05266 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05 |        | .04848 | mg/L  | 97   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1  | .00032 | .1096  | mg/L  | 109  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1  | .00032 | .10615 | mg/L  | 106  | 70       | 130     | 3   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2     |        | 2.105 | mg/L  | 105  | 95     | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .5005 |        | .5473 | mg/L  | 109  | 85     | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .5005 | U      | .5342 | mg/L  | 107  | 85     | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .5005 | U      | .528  | mg/L  | 105  | 85     | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2      |        | 2.042 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .50045 |        | .544  | mg/L  | 109  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .50045 | U      | .546  | mg/L  | 109  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .50045 | U      | .538  | mg/L  | 108  | 85    | 115   | 1   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG557766</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05     |        | .0503 | mg/L  | 101  | 90      | 110    |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .050075 |        | .0518 | mg/L  | 103  | 85      | 115    |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .050075 | .0422  | .0879 | mg/L  | 91   | 70      | 130    |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .050075 | .0422  | .0867 | mg/L  | 89   | 70      | 130    | 1   | 20    |      |

**Zinc, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG557402</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG557402ICV     | ICV  | 12/28/22 17:52 | MS220930-3 | .05     |        | .052  | mg/L  | 104  | 90      | 110    |     |       |      |
| WG557402ICB     | ICB  | 12/28/22 17:54 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG557220LRB     | LRB  | 12/28/22 17:55 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG557220LFB     | LFB  | 12/28/22 17:57 | MS221207-2 | .050075 |        | .0521 | mg/L  | 104  | 85      | 115    |     |       |      |
| L77799-03LFM    | LFM  | 12/28/22 18:42 | MS221207-2 | .050075 | U      | .0515 | mg/L  | 103  | 70      | 130    |     |       |      |
| L77799-03LFMD   | LFMD | 12/28/22 18:44 | MS221207-2 | .050075 | U      | .0512 | mg/L  | 102  | 70      | 130    | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L77831**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L77831-01</b> | WG557253 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|                  |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L77831-02</b> | WG557163 | Dissolved Chromium, Hexavalent      | SM3500Cr-B                                    | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM3500Cr-B                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
| <b>L77831-04</b> | WG557831 | Beryllium, dissolved                | M200.8 ICP-MS                                 | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  | WG557414 | Chloride                            | SM4500Cl-E                                    | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  |          |                                     | SM4500Cl-E                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG557229 | Cyanide, total                      | M335.4 - Colorimetric w/<br>distillation      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG559082 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid<br>(digest)       | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|                  |          |                                     | M365.1 - Auto Ascorbic Acid<br>(digest)       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|                  | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|                  |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG557568 | Sulfate                             | D516-02/-07/-11 -<br>TURBIDIMETRIC            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |

**Ouray Silver Mines**

ACZ Project ID: **L77831**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                      |
|-----------|----------|-------------------------------------|---------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77831-05 | WG557831 | Beryllium, dissolved                | M200.8 ICP-MS                         | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [ $< \text{MDL}$ ].                                                                  |
|           | WG557414 | Chloride                            | SM4500CI-E                            | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                        |
|           |          |                                     | SM4500CI-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557229 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG559082 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                      |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557568 | Sulfate                             | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                 |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
| L77831-06 | WG557414 | Chloride                            | SM4500CI-E                            | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                        |
|           |          |                                     | SM4500CI-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557229 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG559082 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                      |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557568 | Sulfate                             | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                 |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |

**Ouray Silver Mines**

ACZ Project ID: **L77831**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                              |
|-----------|----------|-------------------------------------|---------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77831-07 | WG557831 | Beryllium, dissolved                | M200.8 ICP-MS                         | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [ $<$ MDL].                                                                  |
|           | WG557414 | Chloride                            | SM4500Cl-E                            | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                |
|           |          |                                     | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $<$ 10x MDL). |
|           | WG557229 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $<$ 10x MDL). |
|           | WG559082 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                              |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $<$ 10x MDL). |
|           | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                 |
|           | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                 |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $<$ 10x MDL). |
|           | WG557568 | Sulfate                             | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                         |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $<$ 10x MDL). |

**Ouray Silver Mines**

ACZ Project ID: **L77831**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L77831

Date Received: 12/14/2022 11:44

Received By:

Date Printed: 12/22/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Some parameters were received past hold time.

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| 6902      | 2.2       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.



Ouray Silver Mines

ACZ Project ID: L77831

Date Received: 12/14/2022 11:44

Received By:

Date Printed: 12/22/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



**Laboratories, Inc.** L77831

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

## CHAIN of CUSTODY

### Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: tjesse@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 720-469-7557

### Copy of Report to:

Name:  
Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com  
Telephone: 970-325-9830

### Invoice to:

Name: Don Cordsen  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Ouray, CO 81427  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mst

\*Sampler's Signature:

I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

### PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

| Quote #: | PO#: | Reporting state for compliance testing: | Check box if samples include NRC licensed material? | SAMPLE IDENTIFICATION | DATE:TIME        | Matrix | # of Containers | CDPS-BIMONTH-WW                     | CDPS-QUART-WW                       | Hg Trip Blank                       | GW                                  |                          |                          |                          |                          |                          |                          |
|----------|------|-----------------------------------------|-----------------------------------------------------|-----------------------|------------------|--------|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|          |      | CO                                      | <input type="checkbox"/>                            | OF002A                | 12/13/22 : 9:58  | WW     | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | OF002A                | 12/13/22 : 9:58  | WW     | 4               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | Hg Trip Blank         | 12/13/22 : 10:28 |        | 1               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | UG-5                  | 12/12/22 : 9:18  | GW     | 5               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | UG-2                  | 12/12/22 : 9:57  | GW     | 5               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | UG-8                  | 12/12/22 : 10:32 | GW     | 5               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | UG-4                  | 12/12/22 : 10:53 | GW     | 5               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     |                       |                  |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     |                       |                  |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     |                       |                  |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

### REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

Todd Jesse 12/13/22 14:00 [Signature] 12/24/22 1144

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

L77831 Chain of Custody

L77831-2301251543

March 23, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L71783

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 04, 2022. This project has been assigned to ACZ's project number, L71783. Please reference this number in all future inquiries.

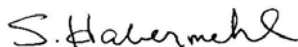
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L71783. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 22, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: GW-3R

ACZ Sample ID: **L71783-01**

Date Sampled: 03/02/22 13:40

Date Received: 03/04/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 03/07/22 10:44 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 03/07/22 16:07 | mrd/bls |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 03/11/22 4:53  | jlw     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00085  | B    |    | mg/L  | 0.0004  | 0.002   | 03/10/22 19:49 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00045  | B    |    | mg/L  | 0.0002  | 0.001   | 03/10/22 19:49 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0417   |      |    | mg/L  | 0.007   | 0.035   | 03/11/22 4:53  | jlw     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 03/10/22 19:49 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 03/11/22 4:53  | jlw     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000357 |      |    | mg/L  | 0.00005 | 0.00025 | 03/11/22 15:04 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 35.9     |      | *  | mg/L  | 0.1     | 0.5     | 03/11/22 4:53  | jlw     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 03/10/22 19:49 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 03/10/22 19:49 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 03/11/22 4:53  | jlw     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/10/22 19:49 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.03     |      |    | mg/L  | 0.2     | 1       | 03/11/22 4:53  | jlw     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 03/11/22 4:53  | jlw     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/08/22 11:06 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00063  |      |    | mg/L  | 0.0002  | 0.0005  | 03/10/22 19:49 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 03/11/22 4:53  | jlw     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.64     | B    |    | mg/L  | 0.2     | 1       | 03/11/22 4:53  | jlw     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00034  |      |    | mg/L  | 0.0001  | 0.00025 | 03/10/22 19:49 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.4      |      |    | mg/L  | 0.2     | 1       | 03/11/22 4:53  | jlw     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/11/22 15:04 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.70     |      |    | mg/L  | 0.2     | 1       | 03/11/22 4:53  | jlw     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/11/22 15:04 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/11/22 15:04 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 03/18/22 17:06 | jlw     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.202    |      |    | mg/L  | 0.02    | 0.05    | 03/11/22 4:53  | jlw     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3R

ACZ Sample ID: **L71783-01**

Date Sampled: 03/02/22 13:40

Date Received: 03/04/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 37.9   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 37.9   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -6.7   |      |    | %        |       |      | 03/23/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.4    |      |    | meq/L    |       |      | 03/23/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.1    |      |    | meq/L    |       |      | 03/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 0.54   | B    |    | mg/L     | 0.5   | 2    | 03/23/22 11:10 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 218    |      |    | umhos/cm | 1     | 10   | 03/09/22 0:46  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 03/07/22 14:22 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    | *  | mg/L     | 0.15  | 0.35 | 03/17/22 13:18 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 98.0   |      |    | mg/L     | 0.2   | 5    | 03/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.211  |      |    | mg/L     | 0.02  | 0.1  | 03/23/22 2:04  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.5    | H    |    | units    | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.9   |      |    | C        | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 03/08/22 16:19 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 142    |      |    | mg/L     | 20    | 40   | 03/04/22 16:07 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/07/22 13:48 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 75.8   |      | *  | mg/L     | 5     | 25   | 03/14/22 22:53 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 148    |      |    | mg/L     |       |      | 03/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 0.96   |      |    |          |       |      | 03/23/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3B

ACZ Sample ID: **L71783-02**

Date Sampled: 03/02/22 14:28

Date Received: 03/04/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 03/07/22 10:52 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 03/07/22 16:19 | mrd/bls |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 03/11/22 4:57  | jlw     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00064  | B    |    | mg/L  | 0.0004  | 0.002   | 03/10/22 19:51 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00026  | B    |    | mg/L  | 0.0002  | 0.001   | 03/10/22 19:51 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0556   |      |    | mg/L  | 0.007   | 0.035   | 03/11/22 4:57  | jlw     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 03/10/22 19:51 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 03/11/22 4:57  | jlw     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 03/11/22 15:06 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 34.0     |      |    | mg/L  | 0.1     | 0.5     | 03/11/22 4:57  | jlw     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 03/10/22 19:51 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 03/10/22 19:51 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 03/11/22 4:57  | jlw     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/10/22 19:51 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.28     |      |    | mg/L  | 0.2     | 1       | 03/11/22 4:57  | jlw     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 03/11/22 4:57  | jlw     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/08/22 11:09 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00071  |      |    | mg/L  | 0.0002  | 0.0005  | 03/10/22 19:51 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 03/11/22 4:57  | jlw     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.68     | B    |    | mg/L  | 0.2     | 1       | 03/11/22 4:57  | jlw     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00034  |      |    | mg/L  | 0.0001  | 0.00025 | 03/10/22 19:51 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.6      |      |    | mg/L  | 0.2     | 1       | 03/11/22 4:57  | jlw     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/11/22 15:06 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.67     |      |    | mg/L  | 0.2     | 1       | 03/11/22 4:57  | jlw     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/11/22 15:06 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/11/22 15:06 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 03/18/22 17:09 | jlw     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.088    |      |    | mg/L  | 0.02    | 0.05    | 03/11/22 4:57  | jlw     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3B

ACZ Sample ID: **L71783-02**

Date Sampled: 03/02/22 14:28

Date Received: 03/04/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 34.2   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 34.2   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 03/23/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.0    |      |    | meq/L    |       |      | 03/23/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.0    |      |    | meq/L    |       |      | 03/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <0.5   | U    |    | mg/L     | 0.5   | 2    | 03/23/22 11:10 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 211    |      |    | umhos/cm | 1     | 10   | 03/09/22 0:54  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 03/07/22 14:23 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.17   | B    | *  | mg/L     | 0.15  | 0.35 | 03/17/22 13:26 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 94     |      |    | mg/L     | 0.2   | 5    | 03/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.190  |      |    | mg/L     | 0.02  | 0.1  | 03/23/22 2:05  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.5    | H    |    | units    | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.9   |      |    | C        | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 03/08/22 16:20 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 136    |      |    | mg/L     | 20    | 40   | 03/04/22 16:09 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/07/22 13:50 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 62.4   |      | *  | mg/L     | 5     | 25   | 03/14/22 22:49 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 130    |      |    | mg/L     |       |      | 03/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.05   |      |    |          |       |      | 03/23/22 0:00  | calc    |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>



**OURAYSM**

ACZ Project ID: **L71783**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537908</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG537908PBW1    | PBW  | 03/08/22 20:06 |            |          |        | 18.2  | mg/L  |      | -20   | 20    |     |       |      |
| WG537908LCSW3   | LCSW | 03/08/22 20:23 | WC220223-1 | 820.0001 |        | 782.8 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG537908LCSW6   | LCSW | 03/08/22 22:49 | WC220223-1 | 820.0001 |        | 815.6 | mg/L  | 99   | 90    | 110   |     |       |      |
| WG537908PBW2    | PBW  | 03/08/22 22:56 |            |          |        | 4.3   | mg/L  |      | -20   | 20    |     |       |      |
| L71797-02DUP    | DUP  | 03/09/22 1:54  |            |          | 128    | 129   | mg/L  |      |       |       | 1   | 20    |      |
| WG537908LCSW9   | LCSW | 03/09/22 2:13  | WC220223-1 | 820.0001 |        | 829.8 | mg/L  | 101  | 90    | 110   |     |       |      |
| WG537908PBW3    | PBW  | 03/09/22 2:20  |            |          |        | 4.6   | mg/L  |      | -20   | 20    |     |       |      |
| WG537908LCSW12  | LCSW | 03/09/22 5:56  | WC220223-1 | 820.0001 |        | 836.1 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG537908PBW4    | PBW  | 03/09/22 6:03  |            |          |        | 3.9   | mg/L  |      | -20   | 20    |     |       |      |
| WG537908LCSW15  | LCSW | 03/09/22 9:27  | WC220223-1 | 820.0001 |        | 844.8 | mg/L  | 103  | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |        |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 2      |        | 1.986 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | 1.0008 |        | 1.047 | mg/L  | 105  | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | 1.0008 | U      | 1.054 | mg/L  | 105  | 85    | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | 1.0008 | U      | 1.113 | mg/L  | 111  | 85    | 115   | 5   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | 1.0008 | U      | .992  | mg/L  | 99   | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | 1.0008 | U      | .979  | mg/L  | 98   | 85    | 115   | 1   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538077</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538077ICV     | ICV  | 03/10/22 19:27 | MS220125-1 | .0201 |        | .02113 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG538077ICB     | ICB  | 03/10/22 19:29 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG538077LFB     | LFB  | 03/10/22 19:31 | MS220228-9 | .01   |        | .01012 | mg/L  | 101  | 85       | 115     |     |       |      |
| L71777-03AS     | AS   | 03/10/22 19:42 | MS220228-9 | .01   | U      | .01002 | mg/L  | 100  | 70       | 130     |     |       |      |
| L71777-03ASD    | ASD  | 03/10/22 19:44 | MS220228-9 | .01   | U      | .01026 | mg/L  | 103  | 70       | 130     | 2   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538077</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG538077ICV     | ICV  | 03/10/22 19:27 | MS220125-1 | .05    |        | .04978 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG538077ICB     | ICB  | 03/10/22 19:29 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG538077LFB     | LFB  | 03/10/22 19:31 | MS220228-9 | .05005 |        | .0505  | mg/L  | 101  | 85       | 115     |     |       |      |
| L71777-03AS     | AS   | 03/10/22 19:42 | MS220228-9 | .05005 | .00063 | .04929 | mg/L  | 97   | 70       | 130     |     |       |      |
| L71777-03ASD    | ASD  | 03/10/22 19:44 | MS220228-9 | .05005 | .00063 | .0499  | mg/L  | 98   | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71783**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|----|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |    |        |        |       |      |        |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 2  |        | 1.9855 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |    |        | U      | mg/L  |      | -0.021 | 0.021 |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | .5 |        | .5055  | mg/L  | 101  | 85     | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | .5 | .0613  | .5613  | mg/L  | 100  | 85     | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | .5 | .0613  | .572   | mg/L  | 102  | 85     | 115   | 2   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | .5 | .007   | .4944  | mg/L  | 97   | 85     | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | .5 | .007   | .4883  | mg/L  | 96   | 85     | 115   | 1   | 20    |      |

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG538077</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG538077ICV     | ICV  | 03/10/22 19:27 | MS220125-1 | .05    |        | .054657 | mg/L  | 109  | 90        | 110      |     |       |      |
| WG538077ICB     | ICB  | 03/10/22 19:29 |            |        |        | .000168 | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG538077LFB     | LFB  | 03/10/22 19:31 | MS220228-9 | .05005 |        | .050015 | mg/L  | 100  | 85        | 115      |     |       |      |
| L71777-03AS     | AS   | 03/10/22 19:42 | MS220228-9 | .05005 | U      | .045285 | mg/L  | 90   | 70        | 130      |     |       |      |
| L71777-03ASD    | ASD  | 03/10/22 19:44 | MS220228-9 | .05005 | U      | .045791 | mg/L  | 91   | 70        | 130      | 1   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |       |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 2     |        | 2.023 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | .5005 |        | .532  | mg/L  | 106  | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | .5005 | .109   | .638  | mg/L  | 106  | 85    | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | .5005 | .109   | .66   | mg/L  | 110  | 85    | 115   | 3   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | .5005 | .055   | .58   | mg/L  | 105  | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | .5005 | .055   | .577  | mg/L  | 104  | 85    | 115   | 1   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG538148</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG538148ICV     | ICV  | 03/11/22 14:42 | MS220125-1 | .05    |         | .049666 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG538148ICB     | ICB  | 03/11/22 14:44 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG538148LFB     | LFB  | 03/11/22 14:46 | MS220228-9 | .05005 |         | .051858 | mg/L  | 104  | 85       | 115     |     |       |      |
| L71746-01AS     | AS   | 03/11/22 14:55 | MS220228-9 | .05005 | .000056 | .050405 | mg/L  | 101  | 70       | 130     |     |       |      |
| L71746-01ASD    | ASD  | 03/11/22 14:57 | MS220228-9 | .05005 | .000056 | .050211 | mg/L  | 100  | 70       | 130     | 0   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |          |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 100      |        | 99.52 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |          |        | .1    | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | 67.99026 |        | 64.37 | mg/L  | 95   | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | 67.99026 | 250    | 291.4 | mg/L  | 61   | 85    | 115   |     |       | M3   |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | 67.99026 | 250    | 297.8 | mg/L  | 70   | 85    | 115   | 2   | 20    | M3   |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | 67.99026 | 3.17   | 64.55 | mg/L  | 90   | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | 67.99026 | 3.17   | 63.58 | mg/L  | 89   | 85    | 115   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71783**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538768</b> |      |                |             |       |        |       |       |      |       |       |     |       |      |
| WG538768ICB     | ICB  | 03/23/22 10:02 |             |       |        | U     | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG538768ICV     | ICV  | 03/23/22 10:02 | WI210503-1  | 54.89 |        | 57.28 | mg/L  | 104  | 90    | 110   |     |       |      |
| WG538768LFB     | LFB  | 03/23/22 11:10 | WI210908-11 | 29.97 |        | 31.15 | mg/L  | 104  | 90    | 110   |     |       |      |
| L71777-01AS     | AS   | 03/23/22 11:10 | WI210908-11 | 29.97 | 66     | 92.99 | mg/L  | 90   | 90    | 110   |     |       |      |
| L71777-02DUP    | DUP  | 03/23/22 11:10 |             |       | 77.4   | 77.18 | mg/L  |      |       |       | 0   | 20    |      |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG538077</b> |      |                |            |     |        |        |       |      |         |        |     |       |      |
| WG538077ICV     | ICV  | 03/10/22 19:27 | MS220125-1 | .05 |        | .04997 | mg/L  | 100  | 90      | 110    |     |       |      |
| WG538077ICB     | ICB  | 03/10/22 19:29 |            |     |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG538077LFB     | LFB  | 03/10/22 19:31 | MS220228-9 | .05 |        | .05031 | mg/L  | 101  | 85      | 115    |     |       |      |
| L71777-03AS     | AS   | 03/10/22 19:42 | MS220228-9 | .05 | U      | .04576 | mg/L  | 92   | 70      | 130    |     |       |      |
| L71777-03ASD    | ASD  | 03/10/22 19:44 | MS220228-9 | .05 | U      | .04565 | mg/L  | 91   | 70      | 130    | 0   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG537908</b> |      |                |          |      |        |       |          |      |       |       |     |       |      |
| WG537908LCSW2   | LCSW | 03/08/22 20:12 | PCN65017 | 1408 |        | 1379  | umhos/cm | 98   | 90    | 110   |     |       |      |
| WG537908LCSW5   | LCSW | 03/08/22 22:37 | PCN65017 | 1408 |        | 1377  | umhos/cm | 98   | 90    | 110   |     |       |      |
| L71797-02DUP    | DUP  | 03/09/22 1:54  |          |      | 286    | 286   | umhos/cm |      |       |       | 0   | 20    |      |
| WG537908LCSW8   | LCSW | 03/09/22 2:00  | PCN65017 | 1408 |        | 1365  | umhos/cm | 97   | 90    | 110   |     |       |      |
| WG537908LCSW11  | LCSW | 03/09/22 5:43  | PCN65017 | 1408 |        | 1361  | umhos/cm | 97   | 90    | 110   |     |       |      |
| WG537908LCSW14  | LCSW | 03/09/22 9:14  | PCN65017 | 1408 |        | 1350  | umhos/cm | 96   | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538077</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538077ICV     | ICV  | 03/10/22 19:27 | MS220125-1 | .05 |        | .05252 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG538077ICB     | ICB  | 03/10/22 19:29 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG538077LFB     | LFB  | 03/10/22 19:31 | MS220228-9 | .05 |        | .05081 | mg/L  | 102  | 85       | 115     |     |       |      |
| L71777-03AS     | AS   | 03/10/22 19:42 | MS220228-9 | .05 | U      | .0438  | mg/L  | 88   | 70       | 130     |     |       |      |
| L71777-03ASD    | ASD  | 03/10/22 19:44 | MS220228-9 | .05 | U      | .04389 | mg/L  | 88   | 70       | 130     | 0   | 20    |      |

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG537794</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG537794ICV     | ICV  | 03/07/22 13:36 | WI220228-9 | .3003 |        | .3121 | mg/L  | 104  | 90     | 110   |     |       |      |
| WG537794ICB     | ICB  | 03/07/22 13:37 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG537772LRB     | LRB  | 03/07/22 13:38 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG537772LFB     | LFB  | 03/07/22 13:39 | WI220228-4 | .2    |        | .2107 | mg/L  | 105  | 90     | 110   |     |       |      |
| L71776-02DUP    | DUP  | 03/07/22 14:19 |            |       | .31    | .3405 | mg/L  |      |        |       | 9   | 20    |      |
| L71776-03LFM    | LFM  | 03/07/22 14:20 | WI220228-4 | .2    | .52    | .765  | mg/L  | 123  | 90     | 110   |     |       | M1   |

**OURAYSM**

ACZ Project ID: **L71783**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538429</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG538429ICV     | ICV  | 03/17/22 11:04 | WC220314-1 | 2.008 |        | 2.04  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG538429ICB     | ICB  | 03/17/22 11:09 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG538429LFB     | LFB  | 03/17/22 11:18 | WC220104-2 | 5.02  |        | 5.09  | mg/L  | 101  | 90    | 110   |     |       |      |
| L71779-03AS     | AS   | 03/17/22 13:06 | WC220104-2 | 5.02  | U      | 5.58  | mg/L  | 111  | 90    | 110   |     |       | M1   |
| L71779-03ASD    | ASD  | 03/17/22 13:14 | WC220104-2 | 5.02  | U      | 5.63  | mg/L  | 112  | 90    | 110   | 1   | 20    | M1   |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |        |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 2      |        | 1.983 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | 1.0001 |        | 1.032 | mg/L  | 103  | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | 1.0001 | U      | 1.054 | mg/L  | 105  | 85    | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | 1.0001 | U      | 1.071 | mg/L  | 107  | 85    | 115   | 2   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | 1.0001 | U      | 1.017 | mg/L  | 102  | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | 1.0001 | U      | .995  | mg/L  | 99   | 85    | 115   | 2   | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538077</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538077ICV     | ICV  | 03/10/22 19:27 | MS220125-1 | .05   |        | .05488 | mg/L  | 110  | 90       | 110     |     |       |      |
| WG538077ICB     | ICB  | 03/10/22 19:29 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538077LFB     | LFB  | 03/10/22 19:31 | MS220228-9 | .0501 |        | .04943 | mg/L  | 99   | 85       | 115     |     |       |      |
| L71777-03AS     | AS   | 03/10/22 19:42 | MS220228-9 | .0501 | U      | .04874 | mg/L  | 97   | 70       | 130     |     |       |      |
| L71777-03ASD    | ASD  | 03/10/22 19:44 | MS220228-9 | .0501 | U      | .04929 | mg/L  | 98   | 70       | 130     | 1   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |          |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 100      |        | 95.24 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | 49.99828 |        | 48.84 | mg/L  | 98   | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | 49.99828 | 23.3   | 69.86 | mg/L  | 93   | 85    | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | 49.99828 | 23.3   | 72.44 | mg/L  | 98   | 85    | 115   | 4   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | 49.99828 | U      | 46.67 | mg/L  | 93   | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | 49.99828 | U      | 46.23 | mg/L  | 92   | 85    | 115   | 1   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |      |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 2    |        | 1.952 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | .499 |        | .511  | mg/L  | 102  | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | .499 | .368   | .859  | mg/L  | 98   | 85    | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | .499 | .368   | .872  | mg/L  | 101  | 85    | 115   | 2   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | .499 | U      | .499  | mg/L  | 100  | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | .499 | U      | .493  | mg/L  | 99   | 85    | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71783**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG537796</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG537796ICV     | ICV  | 03/08/22 10:41 | HG220301-3 | .00501  |        | .00475 | mg/L  | 95   | 95       | 105     |     |       |      |
| WG537796ICB     | ICB  | 03/08/22 10:42 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG537796LRB     | LRB  | 03/08/22 10:44 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG537796LFB     | LFB  | 03/08/22 10:44 | HG220301-6 | .002002 |        | .00178 | mg/L  | 89   | 85       | 115     |     |       |      |
| L71783-01LFM    | LFM  | 03/08/22 11:07 | HG220301-6 | .002002 | U      | .00181 | mg/L  | 90   | 85       | 115     |     |       |      |
| L71783-01LFMD   | LFMD | 03/08/22 11:08 | HG220301-6 | .002002 | U      | .00182 | mg/L  | 91   | 85       | 115     | 1   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538077</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG538077ICV     | ICV  | 03/10/22 19:27 | MS220125-1 | .02    |        | .02189 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG538077ICB     | ICB  | 03/10/22 19:29 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG538077LFB     | LFB  | 03/10/22 19:31 | MS220228-9 | .05005 |        | .05082 | mg/L  | 102  | 85       | 115     |     |       |      |
| L71777-03AS     | AS   | 03/10/22 19:42 | MS220228-9 | .05005 | .0085  | .05916 | mg/L  | 101  | 70       | 130     |     |       |      |
| L71777-03ASD    | ASD  | 03/10/22 19:44 | MS220228-9 | .05005 | .0085  | .05993 | mg/L  | 103  | 70       | 130     | 1   | 20    |      |

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |       |        |        |       |      |        |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 2     |        | 1.9818 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |       |        | U      | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | .5005 |        | .5089  | mg/L  | 102  | 85     | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | .5005 | U      | .496   | mg/L  | 99   | 85     | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | .5005 | U      | .4973  | mg/L  | 99   | 85     | 115   | 0   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | .5005 | U      | .4966  | mg/L  | 99   | 85     | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | .5005 | U      | .4875  | mg/L  | 97   | 85     | 115   | 2   | 20    |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538753</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG538753ICV     | ICV  | 03/22/22 22:03 | WI220301-7 | 2.4161 |        | 2.3   | mg/L  | 95   | 90    | 110   |     |       |      |
| WG538753ICB     | ICB  | 03/22/22 22:04 |            |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG538758</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG538758LFB     | LFB  | 03/23/22 1:57  | WI211001-5 | 2      |        | 1.952 | mg/L  | 98   | 90    | 110   |     |       |      |
| L71672-02AS     | AS   | 03/23/22 1:59  | WI211001-5 | 2      | U      | 2.12  | mg/L  | 106  | 90    | 110   |     |       |      |
| L71746-01DUP    | DUP  | 03/23/22 2:02  |            |        | .621   | .622  | mg/L  |      |       |       | 0   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537908</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG537908LCSW1   | LCSW | 03/08/22 20:10 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537908LCSW4   | LCSW | 03/08/22 22:35 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L71797-02DUP    | DUP  | 03/09/22 1:54  |          |    | 8.5    | 8.5   | units |      |       |       | 0   | 20    |      |
| WG537908LCSW7   | LCSW | 03/09/22 1:59  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537908LCSW10  | LCSW | 03/09/22 5:42  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537908LCSW13  | LCSW | 03/09/22 9:12  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**OURAYSM**

ACZ Project ID: **L71783**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Phosphorus, total** M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537900</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG537900ICV     | ICV  | 03/08/22 15:47 | WI220304-9 | .65228 |        | .652  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG537900ICB     | ICB  | 03/08/22 15:49 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG537790LRB     | LRB  | 03/08/22 15:50 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG537790LFB     | LFB  | 03/08/22 15:52 | WI220222-3 | .5     |        | .486  | mg/L  | 97   | 90    | 110   |     |       |      |
| L71773-01DUP    | DUP  | 03/08/22 16:09 |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L71750-06LFM    | LFM  | 03/08/22 16:22 | WI220222-3 | .5     | U      | .498  | mg/L  | 100  | 90    | 110   |     |       |      |

**Potassium, dissolved** M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |          |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 20       |        | 19.76 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | 99.95169 |        | 100.6 | mg/L  | 101  | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | 99.95169 | 16.6   | 115.9 | mg/L  | 99   | 85    | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | 99.95169 | 16.6   | 121.1 | mg/L  | 105  | 85    | 115   | 4   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | 99.95169 | 1.47   | 97.77 | mg/L  | 96   | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | 99.95169 | 1.47   | 96.2  | mg/L  | 95   | 85    | 115   | 2   | 20    |      |

**Residue, Filterable (TDS) @180C** SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537748</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG537748PBW     | PBW  | 03/04/22 15:15 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG537748LCSW    | LCSW | 03/04/22 15:17 | PCN64711 | 1000 |        | 994   | mg/L  | 99   | 80    | 120   |     |       |      |
| L71784-02DUP    | DUP  | 03/04/22 16:15 |          |      | 280    | 282   | mg/L  |      |       |       | 1   | 10    |      |

**Residue, Non-Filterable (TSS) @105C** SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537803</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG537803PBW     | PBW  | 03/07/22 13:22 |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG537803LCSW    | LCSW | 03/07/22 13:24 | PCN64711 | 100 |        | 96    | mg/L  | 96   | 80    | 120   |     |       |      |
| L71783-02DUP    | DUP  | 03/07/22 13:53 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Selenium, dissolved** M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538077</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538077ICV     | ICV  | 03/10/22 19:27 | MS220125-1 | .05 |        | .04976 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG538077ICB     | ICB  | 03/10/22 19:29 |            |     |        | .00011 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538077LFB     | LFB  | 03/10/22 19:31 | MS220228-9 | .05 |        | .04951 | mg/L  | 99   | 85       | 115     |     |       |      |
| L71777-03AS     | AS   | 03/10/22 19:42 | MS220228-9 | .05 | .00981 | .0598  | mg/L  | 100  | 70       | 130     |     |       |      |
| L71777-03ASD    | ASD  | 03/10/22 19:44 | MS220228-9 | .05 | .00981 | .06032 | mg/L  | 101  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71783**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Silica, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |        |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 42.8   |        | 43.99 | mg/L  | 103  | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | 21.404 |        | 22.73 | mg/L  | 106  | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | 21.404 | 28.4   | 50.7  | mg/L  | 104  | 85    | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | 21.404 | 28.4   | 51.61 | mg/L  | 108  | 85    | 115   | 2   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | 21.404 | 28.9   | 51.17 | mg/L  | 104  | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | 21.404 | 28.9   | 50.56 | mg/L  | 101  | 85    | 115   | 1   | 20    |      |

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538148</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538148ICV     | ICV  | 03/11/22 14:42 | MS220125-1 | .02 |        | .02043 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG538148ICB     | ICB  | 03/11/22 14:44 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538148LFB     | LFB  | 03/11/22 14:46 | MS220228-9 | .01 |        | .01082 | mg/L  | 108  | 85       | 115     |     |       |      |
| L71746-01AS     | AS   | 03/11/22 14:55 | MS220228-9 | .01 | U      | .00948 | mg/L  | 95   | 70       | 130     |     |       |      |
| L71746-01ASD    | ASD  | 03/11/22 14:57 | MS220228-9 | .01 | U      | .00969 | mg/L  | 97   | 70       | 130     | 2   | 20    |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |          |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 100      |        | 98.89 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | 100.0039 |        | 100.4 | mg/L  | 100  | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | 100.0039 | 159    | 254.5 | mg/L  | 95   | 85    | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | 100.0039 | 159    | 259.7 | mg/L  | 101  | 85    | 115   | 2   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | 100.0039 | 62     | 147.9 | mg/L  | 86   | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | 100.0039 | 62     | 147.1 | mg/L  | 85   | 85    | 115   | 1   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538250</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG538250ICB     | ICB  | 03/14/22 19:39 |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG538250ICV     | ICV  | 03/14/22 19:40 | WI220302-3 | 20.46 |        | 18.8  | mg/L  | 92   | 90    | 110   |     |       |      |
| WG538250LFB     | LFB  | 03/14/22 22:08 | WI211230-5 | 9.95  |        | 10.7  | mg/L  | 108  | 90    | 110   |     |       |      |
| L71779-03DUP    | DUP  | 03/14/22 22:51 |            |       | 62.6   | 62.2  | mg/L  |      |       |       | 1   | 20    |      |
| L71780-01AS     | AS   | 03/14/22 22:53 | SO4TURB5X  | 10    | 82.7   | 93.9  | mg/L  | 112  | 90    | 110   |     |       | M3   |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538148</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538148ICV     | ICV  | 03/11/22 14:42 | MS220125-1 | .05 |        | .05045 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG538148ICB     | ICB  | 03/11/22 14:44 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538148LFB     | LFB  | 03/11/22 14:46 | MS220228-9 | .05 |        | .05177 | mg/L  | 104  | 85       | 115     |     |       |      |
| L71746-01AS     | AS   | 03/11/22 14:55 | MS220228-9 | .05 | U      | .05108 | mg/L  | 102  | 70       | 130     |     |       |      |
| L71746-01ASD    | ASD  | 03/11/22 14:57 | MS220228-9 | .05 | U      | .05087 | mg/L  | 102  | 70       | 130     | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71783**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538148</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538148ICV     | ICV  | 03/11/22 14:42 | MS220125-1 | .05 |        | .05    | mg/L  | 100  | 90       | 110     |     |       |      |
| WG538148ICB     | ICB  | 03/11/22 14:44 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538148LFB     | LFB  | 03/11/22 14:46 | MS220228-9 | .05 |        | .05232 | mg/L  | 105  | 85       | 115     |     |       |      |
| L71746-01AS     | AS   | 03/11/22 14:55 | MS220228-9 | .05 | .00471 | .05716 | mg/L  | 105  | 70       | 130     |     |       |      |
| L71746-01ASD    | ASD  | 03/11/22 14:57 | MS220228-9 | .05 | .00471 | .05692 | mg/L  | 104  | 70       | 130     | 0   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG538266</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG538266ICV     | ICV  | 03/18/22 16:07 | II220311-1 | 2     |        | 1.968 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG538266ICB     | ICB  | 03/18/22 16:13 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG538266LFB     | LFB  | 03/18/22 16:26 | II220314-2 | .5005 |        | .4884 | mg/L  | 98   | 85     | 115   |     |       |      |
| L71773-05AS     | AS   | 03/18/22 16:44 | II220314-2 | .5005 | U      | .5017 | mg/L  | 100  | 85     | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/18/22 16:48 | II220314-2 | .5005 | U      | .482  | mg/L  | 96   | 85     | 115   | 4   | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538059</b> |      |               |            |        |        |       |       |      |       |       |     |       |      |
| WG538059ICV     | ICV  | 03/11/22 3:51 | II220215-3 | 2      |        | 1.99  | mg/L  | 100  | 95    | 105   |     |       |      |
| WG538059ICB     | ICB  | 03/11/22 3:57 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG538059LFB     | LFB  | 03/11/22 4:09 | II220215-2 | .50045 |        | .532  | mg/L  | 106  | 85    | 115   |     |       |      |
| L71773-05AS     | AS   | 03/11/22 4:31 | II220215-2 | .50045 | .08    | .588  | mg/L  | 102  | 85    | 115   |     |       |      |
| L71773-05ASD    | ASD  | 03/11/22 4:34 | II220215-2 | .50045 | .08    | .618  | mg/L  | 108  | 85    | 115   | 5   | 20    |      |
| L71797-02AS     | AS   | 03/11/22 5:15 | II220215-2 | .50045 | .022   | .534  | mg/L  | 102  | 85    | 115   |     |       |      |
| L71797-02ASD    | ASD  | 03/11/22 5:25 | II220215-2 | .50045 | .022   | .52   | mg/L  | 100  | 85    | 115   | 3   | 20    |      |



**Ouray Silver Mines**

ACZ Project ID: **L71783**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L71783-01</b> | WG538059 | Calcium, dissolved                  | M200.7 ICP                                 | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG537794 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  | WG538429 | Fluoride                            | SM4500F-C                                  | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  | WG537900 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG537803 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
| <b>L71783-02</b> | WG538250 | Sulfate                             | SM2540D<br>D516-02/-07/-11 - TURBIDIMETRIC | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  |          |                                     |                                            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG537794 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  | WG538429 | Fluoride                            | SM4500F-C                                  | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  | WG537900 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
| <b>L71783-03</b> | WG537803 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG538250 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |

**Ouray Silver Mines**

ACZ Project ID: **L71783**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L71783

Date Received: 03/04/2022 10:51

Received By:

Date Printed: 3/7/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 6949      | 2.1       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L71783

Date Received: 03/04/2022 10:51

Received By:

Date Printed: 3/7/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

**Report to:**

Name: Todd Tesse  
Company: Curay Silver Mining Inc.  
E-mail: [environmental@curaysilvermining.co](mailto:environmental@curaysilvermining.co)

|            |                       |
|------------|-----------------------|
| Address:   | 1900 Main st unit #1  |
|            | Oray CO 81427         |
| Telephone: | 970 325 9830 ext 1106 |

**Copy of Report to:**

Name: Poppy Stark  
Company: Owens Silica Mines

E-mail: environmental@owaysilvermines.com  
Telephone: 970 325 5850

**Invoice to:**

Name: Jon Smith  
Company: Owens Silver Mines Inc.  
E-mail: payable@owensilvermines.com

|            |                              |
|------------|------------------------------|
| Address:   | 1700 Main st apt #1          |
|            | Owng CO <del>900</del> 8/427 |
| Telephone: |                              |

**If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?**

|     |                                     |
|-----|-------------------------------------|
| YES | <input checked="" type="checkbox"/> |
| NO  | <input type="checkbox"/>            |

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

### Are samples for SDWA Compliance Monitoring?

|     |  |    |                                     |
|-----|--|----|-------------------------------------|
| Yes |  | No | <input checked="" type="checkbox"/> |
|-----|--|----|-------------------------------------|

**If yes, please include state forms. Results will be reported to PQL for Colorado.**

Sampler's Name: Todd J. Jare Sampler's Site Information State CO Zip code 81627 Time Zone MT

\*Sampler's Signature: [Signature]

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

## PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

[illegible]

|        |                                                                                                                                        |
|--------|----------------------------------------------------------------------------------------------------------------------------------------|
| Matrix | SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify) |
|--------|----------------------------------------------------------------------------------------------------------------------------------------|

## REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

| RELINQUISHED BY:                   | DATE:TIME            | RECEIVED BY:       | DATE:TIME      |
|------------------------------------|----------------------|--------------------|----------------|
| <i>[Signature]</i> <i>Tad Case</i> | <i>3/12/17</i> 17:00 | <i>[Signature]</i> | <i>3/14/17</i> |
|                                    |                      |                    |                |
|                                    |                      |                    |                |

March 28, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Environmental

Project ID:

ACZ Project ID: L71828

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 07, 2022. This project has been assigned to ACZ's project number, L71828. Please reference this number in all future inquiries.

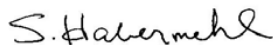
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L71828. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after April 27, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: GW-0

ACZ Sample ID: **L71828-01**

Date Sampled: 03/03/22 13:59

Date Received: 03/07/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 03/10/22 3:59  | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 03/09/22 14:54 | mrd/bls |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 03/16/22 16:35 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | <0.0004  | U    |    | mg/L  | 0.0004  | 0.002   | 03/15/22 14:47 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/15/22 14:47 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | <0.007   | U    |    | mg/L  | 0.007   | 0.035   | 03/16/22 16:35 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 03/15/22 14:47 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 03/16/22 16:35 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 03/15/22 14:47 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 0.11     | B    |    | mg/L  | 0.1     | 0.5     | 03/16/22 16:35 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 03/15/22 14:47 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 03/15/22 14:47 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 03/16/22 16:35 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:47 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 03/16/22 16:35 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 03/16/22 16:35 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/11/22 13:55 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.0005  | 03/15/22 14:47 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 03/16/22 16:35 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 03/16/22 16:35 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.00025 | 03/15/22 14:47 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 03/16/22 16:35 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/16/22 16:03 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 03/16/22 16:35 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:47 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:47 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 03/18/22 19:59 | jlw     |
| Zinc, dissolved       | M200.7 ICP    | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05    | 03/16/22 16:35 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-0

ACZ Sample ID: **L71828-01**

Date Sampled: 03/03/22 13:59

Date Received: 03/07/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 2.3    | B    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 2.3    | B    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | n/a    |      |    | %        |       |      | 03/28/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | <      | U    |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | <      | U    |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <0.5   | U    | *  | mg/L     | 0.5   | 2    | 03/23/22 18:43 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | <1     | U    |    | umhos/cm | 1     | 10   | 03/09/22 7:45  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 03/10/22 14:10 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    |    | mg/L     | 0.15  | 0.35 | 03/21/22 14:07 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 0.275  | B    |    | mg/L     | 0.2   | 5    | 03/28/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | <0.02  | U    | *  | mg/L     | 0.02  | 0.1  | 03/25/22 2:01  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.5    | H    |    | units    | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.4   |      |    | C        | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 03/12/22 1:00  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | <20    | U    | *  | mg/L     | 20    | 40   | 03/08/22 11:59 | anc     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/08/22 14:32 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 1        | <1     | U    | *  | mg/L     | 1     | 5    | 03/17/22 14:35 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 1.51   |      |    | mg/L     |       |      | 03/28/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | n/a    |      |    |          |       |      | 03/28/22 0:00  | calc    |



**Ouray Silver Mines**

Project ID:

Sample ID: GW-99

ACZ Sample ID: **L71828-02**

Date Sampled: 03/03/22 12:30

Date Received: 03/07/22

Sample Matrix: Groundwater

**Inorganic Prep**

| Parameter         | EPA Method                            | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|---------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation          |          |        |      |    |       |     |     | 03/10/22 4:51  | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic Acid Digestion |          |        |      |    |       |     |     | 03/09/22 15:14 | mrdbls  |

**Metals Analysis**

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 03/16/22 16:44 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00094  | B    |    | mg/L  | 0.0004  | 0.002   | 03/15/22 14:48 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00026  | B    |    | mg/L  | 0.0002  | 0.001   | 03/15/22 14:48 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0539   |      |    | mg/L  | 0.007   | 0.035   | 03/16/22 16:44 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 03/15/22 14:48 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 03/16/22 16:44 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000586 |      |    | mg/L  | 0.00005 | 0.00025 | 03/15/22 14:48 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 34.5     |      |    | mg/L  | 0.1     | 0.5     | 03/16/22 16:44 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 03/15/22 14:48 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 03/15/22 14:48 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 03/16/22 16:44 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00015  | B    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:48 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.64     |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:44 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 03/16/22 16:44 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/11/22 13:56 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00132  |      |    | mg/L  | 0.0002  | 0.0005  | 03/15/22 14:48 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 03/16/22 16:44 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.57     | B    |    | mg/L  | 0.2     | 1       | 03/16/22 16:44 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00041  |      |    | mg/L  | 0.0001  | 0.00025 | 03/15/22 14:48 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.5      |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:44 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/16/22 16:05 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.40     |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:44 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:48 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:48 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 03/18/22 20:02 | jlw     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.441    |      |    | mg/L  | 0.02    | 0.05    | 03/16/22 16:44 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-99

ACZ Sample ID: **L71828-02**

Date Sampled: 03/03/22 12:30

Date Received: 03/07/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 40.2   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 40.2   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -4.5   |      |    | %        |       |      | 03/28/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.3    |      |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.1    |      |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <0.5   | U    | *  | mg/L     | 0.5   | 2    | 03/23/22 18:43 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 216    |      |    | umhos/cm | 1     | 10   | 03/09/22 7:53  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 03/10/22 14:10 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.24   | B    |    | mg/L     | 0.15  | 0.35 | 03/21/22 14:15 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 97.0   |      |    | mg/L     | 0.2   | 5    | 03/28/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.166  |      | *  | mg/L     | 0.02  | 0.1  | 03/25/22 2:02  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.5    | H    |    | units    | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.7   |      |    | C        | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 03/12/22 1:02  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 130    |      | *  | mg/L     | 20    | 40   | 03/08/22 12:01 | anc     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/08/22 14:35 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 72.2   |      | *  | mg/L     | 5     | 25   | 03/17/22 14:55 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 143    |      |    | mg/L     |       |      | 03/28/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 0.91   |      |    |          |       |      | 03/28/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-1B

ACZ Sample ID: **L71828-03**

Date Sampled: 03/03/22 10:30

Date Received: 03/07/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 03/10/22 5:44  | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 03/09/22 15:34 | mrd/bls |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 03/16/22 16:47 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00081  | B    |    | mg/L  | 0.0004  | 0.002   | 03/15/22 14:50 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00060  | B    |    | mg/L  | 0.0002  | 0.001   | 03/15/22 14:50 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0593   |      |    | mg/L  | 0.007   | 0.035   | 03/16/22 16:47 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 03/15/22 14:50 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 03/16/22 16:47 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000127 | B    |    | mg/L  | 0.00005 | 0.00025 | 03/15/22 14:50 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 41.0     |      |    | mg/L  | 0.1     | 0.5     | 03/16/22 16:47 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 03/15/22 14:50 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 03/15/22 14:50 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 03/16/22 16:47 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00013  | B    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:50 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 3.40     |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:47 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 03/16/22 16:47 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/11/22 13:59 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00160  |      |    | mg/L  | 0.0002  | 0.0005  | 03/15/22 14:50 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 03/16/22 16:47 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.53     | B    |    | mg/L  | 0.2     | 1       | 03/16/22 16:47 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00046  |      |    | mg/L  | 0.0001  | 0.00025 | 03/15/22 14:50 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.8      |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:47 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/16/22 16:06 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 3.30     |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:47 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:50 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00013  | B    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:50 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 03/18/22 20:12 | jlw     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.054    |      |    | mg/L  | 0.02    | 0.05    | 03/16/22 16:47 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-1B

ACZ Sample ID: **L71828-03**

Date Sampled: 03/03/22 10:30

Date Received: 03/07/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 58.7   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 58.7   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -9.1   |      |    | %        |       |      | 03/28/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 3.0    |      |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.5    |      |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <0.5   | U    | *  | mg/L     | 0.5   | 2    | 03/23/22 18:43 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 257    |      |    | umhos/cm | 1     | 10   | 03/09/22 8:02  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 03/10/22 14:11 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.19   | B    |    | mg/L     | 0.15  | 0.35 | 03/21/22 14:35 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 116    |      |    | mg/L     | 0.2   | 5    | 03/28/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.085  | B    | *  | mg/L     | 0.02  | 0.1  | 03/25/22 2:08  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.8    | H    |    | units    | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.5   |      |    | C        | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 03/12/22 1:04  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 154    |      | *  | mg/L     | 20    | 40   | 03/08/22 12:04 | anc     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/08/22 14:38 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 87.3   |      | *  | mg/L     | 5     | 25   | 03/17/22 14:55 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 178    |      |    | mg/L     |       |      | 03/28/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 0.87   |      |    |          |       |      | 03/28/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2A

ACZ Sample ID: **L71828-04**

Date Sampled: 03/03/22 12:20

Date Received: 03/07/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 03/10/22 6:36  | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 03/09/22 15:45 | mrd/bls |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 03/16/22 16:50 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00124  | B    |    | mg/L  | 0.0004  | 0.002   | 03/15/22 14:56 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00027  | B    |    | mg/L  | 0.0002  | 0.001   | 03/15/22 14:56 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0537   |      |    | mg/L  | 0.007   | 0.035   | 03/16/22 16:50 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 03/15/22 14:56 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 03/16/22 16:50 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000567 |      |    | mg/L  | 0.00005 | 0.00025 | 03/15/22 14:56 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 34.5     |      |    | mg/L  | 0.1     | 0.5     | 03/16/22 16:50 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 03/15/22 14:56 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 03/15/22 14:56 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 03/16/22 16:50 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00015  | B    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:56 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.61     |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:50 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 03/16/22 16:50 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/11/22 14:00 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00147  |      |    | mg/L  | 0.0002  | 0.0005  | 03/15/22 14:56 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 03/16/22 16:50 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.54     | B    |    | mg/L  | 0.2     | 1       | 03/16/22 16:50 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00043  |      |    | mg/L  | 0.0001  | 0.00025 | 03/15/22 14:56 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.6      |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:50 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/16/22 16:12 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.40     |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:50 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:56 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 14:56 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 03/18/22 20:15 | jlw     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.444    |      |    | mg/L  | 0.02    | 0.05    | 03/16/22 16:50 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2A

ACZ Sample ID: **L71828-04**

Date Sampled: 03/03/22 12:20

Date Received: 03/07/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 34.3   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 34.3   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 03/28/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.1    |      |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.1    |      |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <0.5   | U    | *  | mg/L     | 0.5   | 2    | 03/23/22 18:43 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 218    |      |    | umhos/cm | 1     | 10   | 03/09/22 8:09  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 03/10/22 14:12 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.24   | B    |    | mg/L     | 0.15  | 0.35 | 03/21/22 14:43 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 97     |      |    | mg/L     | 0.2   | 5    | 03/28/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.163  |      | *  | mg/L     | 0.02  | 0.1  | 03/25/22 2:09  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.6    | H    |    | units    | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.3   |      |    | C        | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 03/12/22 1:05  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 126    |      | *  | mg/L     | 20    | 40   | 03/08/22 12:06 | anc     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/08/22 14:40 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 68.0   |      | *  | mg/L     | 5     | 25   | 03/17/22 14:55 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 135    |      |    | mg/L     |       |      | 03/28/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 0.93   |      |    |          |       |      | 03/28/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2B

ACZ Sample ID: **L71828-05**

Date Sampled: 03/03/22 13:05

Date Received: 03/07/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 03/10/22 7:28  | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 03/14/22 13:17 | mrdr    |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 03/16/22 16:54 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00085  | B    |    | mg/L  | 0.0004  | 0.002   | 03/15/22 15:02 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00027  | B    |    | mg/L  | 0.0002  | 0.001   | 03/15/22 15:02 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0597   |      |    | mg/L  | 0.007   | 0.035   | 03/16/22 16:54 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    | *  | mg/L  | 0.00008 | 0.00025 | 03/15/22 15:02 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 03/16/22 16:54 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000252 |      |    | mg/L  | 0.00005 | 0.00025 | 03/15/22 15:02 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 33.0     |      |    | mg/L  | 0.1     | 0.5     | 03/16/22 16:54 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 03/15/22 15:02 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    | *  | mg/L  | 0.0008  | 0.002   | 03/15/22 15:02 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 03/16/22 16:54 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 15:02 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.62     |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:54 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 03/16/22 16:54 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/11/22 14:01 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00101  |      |    | mg/L  | 0.0002  | 0.0005  | 03/15/22 15:02 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 03/16/22 16:54 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.60     | B    |    | mg/L  | 0.2     | 1       | 03/16/22 16:54 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00040  |      |    | mg/L  | 0.0001  | 0.00025 | 03/15/22 15:02 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.9      |      |    | mg/L  | 0.2     | 1       | 03/16/22 16:54 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/16/22 16:14 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.30     |      | *  | mg/L  | 0.2     | 1       | 03/16/22 16:54 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 15:02 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 03/15/22 15:02 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 03/18/22 20:18 | jlw     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.292    |      |    | mg/L  | 0.02    | 0.05    | 03/16/22 16:54 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2B

ACZ Sample ID: **L71828-05**

Date Sampled: 03/03/22 13:05

Date Received: 03/07/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 43.3   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 43.3   |      |    | mg/L     | 2     | 20   | 03/09/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -7.0   |      |    | %        |       |      | 03/28/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.3    |      |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2      |      |    | meq/L    |       |      | 03/28/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <0.5   | U    | *  | mg/L     | 0.5   | 2    | 03/23/22 18:43 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 209    |      |    | umhos/cm | 1     | 10   | 03/09/22 8:17  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 03/10/22 14:15 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.23   | B    |    | mg/L     | 0.15  | 0.35 | 03/21/22 14:50 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 93     |      |    | mg/L     | 0.2   | 5    | 03/28/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.137  |      | *  | mg/L     | 0.02  | 0.1  | 03/25/22 2:10  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.6    | H    |    | units    | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.3   |      |    | C        | 0.1   | 0.1  | 03/09/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    |    | mg/L     | 0.01  | 0.05 | 03/16/22 2:09  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 126    |      | *  | mg/L     | 20    | 40   | 03/08/22 12:09 | anc     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/08/22 14:46 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 68.3   |      | *  | mg/L     | 5     | 25   | 03/17/22 14:44 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 140    |      |    | mg/L     |       |      | 03/28/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 0.90   |      |    |          |       |      | 03/28/22 0:00  | calc    |





#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L71828**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG537908</b> |      |                |            |          |        |        |       |      |       |       |     |       |      |
| WG537908PBW1    | PBW  | 03/08/22 20:06 |            |          |        | 18.2   | mg/L  |      | -20   | 20    |     |       |      |
| WG537908LCSW3   | LCSW | 03/08/22 20:23 | WC220223-1 | 820.0001 |        | 782.8  | mg/L  | 95   | 90    | 110   |     |       |      |
| WG537908LCSW6   | LCSW | 03/08/22 22:49 | WC220223-1 | 820.0001 |        | 815.6  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG537908PBW2    | PBW  | 03/08/22 22:56 |            |          |        | 4.3    | mg/L  |      | -20   | 20    |     |       |      |
| WG537908LCSW9   | LCSW | 03/09/22 2:13  | WC220223-1 | 820.0001 |        | 829.8  | mg/L  | 101  | 90    | 110   |     |       |      |
| WG537908PBW3    | PBW  | 03/09/22 2:20  |            |          |        | 4.6    | mg/L  |      | -20   | 20    |     |       |      |
| WG537908LCSW12  | LCSW | 03/09/22 5:56  | WC220223-1 | 820.0001 |        | 836.1  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG537908PBW4    | PBW  | 03/09/22 6:03  |            |          |        | 3.9    | mg/L  |      | -20   | 20    |     |       |      |
| L71847-01DUP    | DUP  | 03/09/22 9:08  |            |          | 2080   | 2093.8 | mg/L  |      |       |       | 1   | 20    |      |
| WG537908LCSW15  | LCSW | 03/09/22 9:27  | WC220223-1 | 820.0001 |        | 844.8  | mg/L  | 103  | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 2      |        | 1.98  | mg/L  | 99   | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | 1.0008 |        | 1.003 | mg/L  | 100  | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | 1.0008 | U      | 1.001 | mg/L  | 100  | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | 1.0008 | U      | 1.005 | mg/L  | 100  | 85    | 115   | 0   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | 1.0008 | U      | 1.014 | mg/L  | 101  | 85    | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | 1.0008 | U      | 1.005 | mg/L  | 100  | 85    | 115   | 1   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538292</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .0201 |        | .01999 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |       |        | .00057 | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .01   |        | .00975 | mg/L  | 98   | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .01   | .00081 | .00948 | mg/L  | 87   | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .01   | .00081 | .00973 | mg/L  | 89   | 70       | 130     | 3   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538292</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .05    |        | .05169 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .05005 |        | .05209 | mg/L  | 104  | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .05005 | .0006  | .0561  | mg/L  | 111  | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .05005 | .0006  | .05644 | mg/L  | 112  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71828**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |    |        |        |       |      |        |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 2  |        | 2.0005 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |    |        | U      | mg/L  |      | -0.021 | 0.021 |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | .5 |        | .5072  | mg/L  | 101  | 85     | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | .5 | .0663  | .5768  | mg/L  | 102  | 85     | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | .5 | .0663  | .5795  | mg/L  | 103  | 85     | 115   | 0   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | .5 | .0408  | .5571  | mg/L  | 103  | 85     | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | .5 | .0408  | .5563  | mg/L  | 103  | 85     | 115   | 0   | 20    |      |

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG538292</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .05    |        | .053146 | mg/L  | 106  | 90        | 110      |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .05005 |        | .051486 | mg/L  | 103  | 85        | 115      |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .05005 | U      | .056236 | mg/L  | 112  | 70        | 130      |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .05005 | U      | .056581 | mg/L  | 113  | 70        | 130      | 1   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 2     |        | 2.003 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | .5005 |        | .521  | mg/L  | 104  | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | .5005 | U      | .529  | mg/L  | 106  | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | .5005 | U      | .535  | mg/L  | 107  | 85    | 115   | 1   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | .5005 | .352   | .828  | mg/L  | 95   | 85    | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | .5005 | .352   | .834  | mg/L  | 96   | 85    | 115   | 1   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG538292</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .05    |         | .052746 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .05005 |         | .050885 | mg/L  | 102  | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .05005 | .000127 | .054389 | mg/L  | 108  | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .05005 | .000127 | .053677 | mg/L  | 107  | 70       | 130     | 1   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |          |        |        |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 100      |        | 100.24 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |          |        | U      | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | 67.99026 |        | 63.72  | mg/L  | 94   | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | 67.99026 | 21.5   | 84.49  | mg/L  | 93   | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | 67.99026 | 21.5   | 85.04  | mg/L  | 93   | 85    | 115   | 1   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | 67.99026 | 2.33   | 63.75  | mg/L  | 90   | 85    | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | 67.99026 | 2.33   | 64.17  | mg/L  | 91   | 85    | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71828**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG538856</b> |      |                |             |       |        |        |       |      |       |       |     |       |      |
| WG538856ICB     | ICB  | 03/23/22 10:02 |             |       |        | U      | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG538856ICV     | ICV  | 03/23/22 10:02 | WI210503-1  | 54.89 |        | 57.28  | mg/L  | 104  | 90    | 110   |     |       |      |
| WG538856LFB1    | LFB  | 03/23/22 18:43 | WI210908-11 | 29.97 |        | 31.13  | mg/L  | 104  | 90    | 110   |     |       |      |
| L71828-01DUP    | DUP  | 03/23/22 18:43 |             |       | U      | .61    | mg/L  |      |       |       | 200 | 20    | RA   |
| WG538856LFB2    | LFB  | 03/23/22 18:47 | WI210908-11 | 29.97 |        | 31.17  | mg/L  | 104  | 90    | 110   |     |       |      |
| L71825-01AS     | AS   | 03/23/22 19:21 | 10XCL       | 30    | 141    | 169.71 | mg/L  | 96   | 90    | 110   |     |       |      |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG538292</b> |      |                |            |     |        |        |       |      |         |        |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .05 |        | .05207 | mg/L  | 104  | 90      | 110    |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |     |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .05 |        | .05128 | mg/L  | 103  | 85      | 115    |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .05 | U      | .05315 | mg/L  | 106  | 70      | 130    |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .05 | U      | .05324 | mg/L  | 106  | 70      | 130    | 0   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG537908</b> |      |                |          |      |        |       |          |      |       |       |     |       |      |
| WG537908LCSW2   | LCSW | 03/08/22 20:12 | PCN65017 | 1408 |        | 1379  | umhos/cm | 98   | 90    | 110   |     |       |      |
| WG537908LCSW5   | LCSW | 03/08/22 22:37 | PCN65017 | 1408 |        | 1377  | umhos/cm | 98   | 90    | 110   |     |       |      |
| WG537908LCSW8   | LCSW | 03/09/22 2:00  | PCN65017 | 1408 |        | 1365  | umhos/cm | 97   | 90    | 110   |     |       |      |
| WG537908LCSW11  | LCSW | 03/09/22 5:43  | PCN65017 | 1408 |        | 1361  | umhos/cm | 97   | 90    | 110   |     |       |      |
| L71847-01DUP    | DUP  | 03/09/22 9:08  |          |      | 24800  | 24700 | umhos/cm |      |       |       | 0   | 20    |      |
| WG537908LCSW14  | LCSW | 03/09/22 9:14  | PCN65017 | 1408 |        | 1350  | umhos/cm | 96   | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538292</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .05 |        | .05457 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .05 |        | .05251 | mg/L  | 105  | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .05 | U      | .0525  | mg/L  | 105  | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .05 | U      | .05269 | mg/L  | 105  | 70       | 130     | 0   | 20    |      |

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG538049</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG538049ICV     | ICV  | 03/10/22 13:12 | WI220228-9 | .3003 |        | .3202 | mg/L  | 107  | 90     | 110   |     |       |      |
| WG538049ICB     | ICB  | 03/10/22 13:13 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG538066</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG537927LRB     | LRB  | 03/10/22 13:54 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG537927LFB     | LFB  | 03/10/22 13:55 | WI220228-4 | .2    |        | .206  | mg/L  | 103  | 90     | 110   |     |       |      |
| L71843-01DUP    | DUP  | 03/10/22 14:16 |            |       | .102   | .1043 | mg/L  |      |        |       | 2   | 20    |      |
| L71843-02LFM    | LFM  | 03/10/22 14:18 | WI220228-4 | .2    | .0634  | .2361 | mg/L  | 86   | 90     | 110   |     |       | M2   |

**OURAYSM**

ACZ Project ID: **L71828**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538615</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG538615ICV     | ICV  | 03/21/22 11:12 | WC220314-1 | 2.008 |        | 1.98  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG538615ICB     | ICB  | 03/21/22 11:20 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG538615LFB     | LFB  | 03/21/22 11:33 | WC220104-2 | 5.02  |        | 5.05  | mg/L  | 101  | 90    | 110   |     |       |      |
| L71750-03AS     | AS   | 03/21/22 13:35 | WC220104-2 | 5.02  | .32    | 5.2   | mg/L  | 97   | 90    | 110   |     |       |      |
| L71750-03ASD    | ASD  | 03/21/22 13:43 | WC220104-2 | 5.02  | .32    | 5.22  | mg/L  | 98   | 90    | 110   | 0   | 20    |      |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 2      |        | 1.947 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | 1.0001 |        | 1.032 | mg/L  | 103  | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | 1.0001 | .147   | 1.173 | mg/L  | 103  | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | 1.0001 | .147   | 1.172 | mg/L  | 102  | 85    | 115   | 0   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | 1.0001 | .094   | 1.1   | mg/L  | 101  | 85    | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | 1.0001 | .094   | 1.093 | mg/L  | 100  | 85    | 115   | 1   | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538292</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .05   |        | .05299 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .0501 |        | .05171 | mg/L  | 103  | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .0501 | .00013 | .05399 | mg/L  | 108  | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .0501 | .00013 | .05487 | mg/L  | 109  | 70       | 130     | 2   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 100      |        | 95.82 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | 49.99828 |        | 48.12 | mg/L  | 96   | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | 49.99828 | 3.07   | 51.48 | mg/L  | 97   | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | 49.99828 | 3.07   | 51.72 | mg/L  | 97   | 85    | 115   | 0   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | 49.99828 | 1.55   | 47.15 | mg/L  | 91   | 85    | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | 49.99828 | 1.55   | 47.55 | mg/L  | 92   | 85    | 115   | 1   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 2    |        | 1.955 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | .499 |        | .513  | mg/L  | 103  | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | .499 | .264   | .761  | mg/L  | 100  | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | .499 | .264   | .765  | mg/L  | 100  | 85    | 115   | 1   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | .499 | U      | .505  | mg/L  | 101  | 85    | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | .499 | U      | .507  | mg/L  | 102  | 85    | 115   | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L71828**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538090</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG538090ICV     | ICV  | 03/11/22 12:33 | HG220301-3 | .00501  |        | .00503 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG538090ICB     | ICB  | 03/11/22 12:34 |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG538091</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG538091LRB     | LRB  | 03/11/22 13:37 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG538091LFB     | LFB  | 03/11/22 13:38 | HG220301-6 | .002002 |        | .00201 | mg/L  | 100  | 85       | 115     |     |       |      |
| L71828-05LFM    | LFM  | 03/11/22 14:02 | HG220301-6 | .002002 | U      | .00201 | mg/L  | 100  | 85       | 115     |     |       |      |
| L71828-05LFMD   | LFMD | 03/11/22 14:03 | HG220301-6 | .002002 | U      | .00197 | mg/L  | 98   | 85       | 115     | 2   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538292</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .02    |        | .02119 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .05005 |        | .05222 | mg/L  | 104  | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .05005 | .0016  | .05579 | mg/L  | 108  | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .05005 | .0016  | .05554 | mg/L  | 108  | 70       | 130     | 0   | 20    |      |

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 2     |        | 1.992 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |       |        | U     | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | .5005 |        | .5186 | mg/L  | 104  | 85     | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | .5005 | U      | .5174 | mg/L  | 103  | 85     | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | .5005 | U      | .5193 | mg/L  | 104  | 85     | 115   | 0   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | .5005 | U      | .4994 | mg/L  | 100  | 85     | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | .5005 | U      | .4997 | mg/L  | 100  | 85     | 115   | 0   | 20    |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538955</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG538955ICV     | ICV  | 03/24/22 22:42 | WI220301-7 | 2.4161 |        | 2.343 | mg/L  | 97   | 90    | 110   |     |       |      |
| WG538955ICB     | ICB  | 03/24/22 22:43 |            |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG538959</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG538959LFB1    | LFB  | 03/25/22 1:35  | WI211001-5 | 2      |        | 1.993 | mg/L  | 100  | 90    | 110   |     |       |      |
| L71707-11AS     | AS   | 03/25/22 1:57  | WI211001-5 | 2      | .072   | 2.074 | mg/L  | 100  | 90    | 110   |     |       |      |
| L71707-12DUP    | DUP  | 03/25/22 1:59  |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| WG538959LFB2    | LFB  | 03/25/22 2:15  | WI211001-5 | 2      |        | 1.973 | mg/L  | 99   | 90    | 110   |     |       |      |

**OURAYSM**

ACZ Project ID: **L71828**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537908</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG537908LCSW1   | LCSW | 03/08/22 20:10 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537908LCSW4   | LCSW | 03/08/22 22:35 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537908LCSW7   | LCSW | 03/09/22 1:59  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG537908LCSW10  | LCSW | 03/09/22 5:42  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L71847-01DUP    | DUP  | 03/09/22 9:08  |          |    | 8      | 8     | units |      |       |       | 0   | 20    |      |
| WG537908LCSW13  | LCSW | 03/09/22 9:12  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538176</b> |      |               |            |        |        |       |       |      |       |       |     |       |      |
| WG538176ICV     | ICV  | 03/12/22 0:28 | WI220304-9 | .65228 |        | .664  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG538176ICB     | ICB  | 03/12/22 0:31 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG537939LRB     | LRB  | 03/12/22 0:32 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG537939LFB     | LFB  | 03/12/22 0:34 | WI220309-2 | .5     |        | .506  | mg/L  | 101  | 90    | 110   |     |       |      |
| L71828-01LFM    | LFM  | 03/12/22 1:01 | WI220309-2 | .5     | U      | .457  | mg/L  | 91   | 90    | 110   |     |       |      |
| L71828-02DUP    | DUP  | 03/12/22 1:03 |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**WG538312**

|              |     |               |            |        |      |      |      |     |       |      |   |    |  |
|--------------|-----|---------------|------------|--------|------|------|------|-----|-------|------|---|----|--|
| WG538312ICV  | ICV | 03/16/22 1:43 | WI220304-9 | .65228 |      | .656 | mg/L | 101 | 90    | 110  |   |    |  |
| WG538312ICB  | ICB | 03/16/22 1:45 |            |        |      | U    | mg/L |     | -0.01 | 0.01 |   |    |  |
| WG538210LRB  | LRB | 03/16/22 1:47 |            |        |      | U    | mg/L |     | -0.01 | 0.01 |   |    |  |
| WG538210LFB  | LFB | 03/16/22 1:48 | WI220309-2 | .5     |      | .486 | mg/L | 97  | 90    | 110  |   |    |  |
| L71828-05LFM | LFM | 03/16/22 2:10 | WI220309-2 | .5     | U    | .475 | mg/L | 95  | 90    | 110  |   |    |  |
| L71841-01DUP | DUP | 03/16/22 2:15 |            |        | .344 | .339 | mg/L |     |       |      | 1 | 20 |  |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 20       |        | 19.78 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | 99.95169 |        | 99.02 | mg/L  | 99   | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | 99.95169 | 1.42   | 101.7 | mg/L  | 100  | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | 99.95169 | 1.42   | 102.1 | mg/L  | 101  | 85    | 115   | 0   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | 99.95169 | .78    | 98.92 | mg/L  | 98   | 85    | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | 99.95169 | .78    | 99.31 | mg/L  | 99   | 85    | 115   | 0   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537858</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG537858PBW     | PBW  | 03/08/22 11:12 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG537858LCSW    | LCSW | 03/08/22 11:14 | PCN64711 | 1000 |        | 972   | mg/L  | 97   | 80    | 120   |     |       |      |
| L71828-05DUP    | DUP  | 03/08/22 12:12 |          |      | 126    | 124   | mg/L  |      |       |       | 2   | 10    | RA   |



**OURAYSM**

ACZ Project ID: **L71828**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG537892</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG537892PBW     | PBW  | 03/08/22 14:12 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG537892LCSW    | LCSW | 03/08/22 14:14 | PCN64711 | 100 |        | 91    | mg/L  | 91   | 80    | 120   |     |       |      |
| L71828-04DUP    | DUP  | 03/08/22 14:43 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |
| L71850-03DUP    | DUP  | 03/08/22 15:12 |          |     | 194    | 198   | mg/L  |      |       |       | 2   | 10    |      |

**Selenium, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538292</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .05 |        | .05218 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .05 |        | .05177 | mg/L  | 104  | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .05 | .00046 | .0583  | mg/L  | 116  | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .05 | .00046 | .05935 | mg/L  | 118  | 70       | 130     | 2   | 20    |      |

**Silica, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 42.8   |        | 43.64 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | 21.404 |        | 22.62 | mg/L  | 106  | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | 21.404 | 14.9   | 36.85 | mg/L  | 103  | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | 21.404 | 14.9   | 37.03 | mg/L  | 103  | 85    | 115   | 0   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | 21.404 | 7.2    | 29.1  | mg/L  | 102  | 85    | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | 21.404 | 7.2    | 29.1  | mg/L  | 102  | 85    | 115   | 0   | 20    |      |

**Silver, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538384</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538384ICV     | ICV  | 03/16/22 15:53 | MS220125-1 | .02 |        | .02189 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG538384ICB     | ICB  | 03/16/22 15:55 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538384LFB     | LFB  | 03/16/22 15:57 | MS220228-9 | .01 |        | .01075 | mg/L  | 108  | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/16/22 16:08 | MS220228-9 | .01 | U      | .01054 | mg/L  | 105  | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/16/22 16:10 | MS220228-9 | .01 | U      | .01043 | mg/L  | 104  | 70       | 130     | 1   | 20    |      |

**Sodium, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 100      |        | 99.57 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | 100.0039 |        | 99.11 | mg/L  | 99   | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | 100.0039 | 5.91   | 106   | mg/L  | 100  | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | 100.0039 | 5.91   | 106.3 | mg/L  | 100  | 85    | 115   | 0   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | 100.0039 | 294    | 376.3 | mg/L  | 82   | 85    | 115   |     |       | MA   |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | 100.0039 | 294    | 379.7 | mg/L  | 86   | 85    | 115   | 1   | 20    |      |



**OURAYSM**

ACZ Project ID: **L71828**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG538421</b> |      |                |            |       |        |        |       |      |       |       |     |       |      |
| WG538421ICB     | ICB  | 03/17/22 11:29 |            |       |        | U      | mg/L  |      | -3    | 3     |     |       |      |
| WG538421ICV     | ICV  | 03/17/22 11:29 | WI220316-7 | 20.46 |        | 20.2   | mg/L  | 99   | 90    | 110   |     |       |      |
| WG538421LFB     | LFB  | 03/17/22 14:31 | WI211230-5 | 9.95  |        | 10.6   | mg/L  | 107  | 90    | 110   |     |       |      |
| L71827-01AS     | AS   | 03/17/22 14:33 | WI211230-5 | 9.95  | 4.4    | 15.4   | mg/L  | 111  | 90    | 110   |     |       | M1   |
| L71721-02DUP    | DUP  | 03/17/22 14:56 |            |       | 3350   | 3358.2 | mg/L  |      |       |       | 0   | 20    |      |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538292</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .05 |        | .0537  | mg/L  | 107  | 90       | 110     |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .05 |        | .05148 | mg/L  | 103  | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .05 | U      | .05483 | mg/L  | 110  | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .05 | U      | .05512 | mg/L  | 110  | 70       | 130     | 1   | 20    |      |

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG538292</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG538292ICV     | ICV  | 03/15/22 14:08 | MS220125-1 | .05 |        | .05356 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG538292ICB     | ICB  | 03/15/22 14:10 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG538292LFB     | LFB  | 03/15/22 14:12 | MS220228-9 | .05 |        | .05132 | mg/L  | 103  | 85       | 115     |     |       |      |
| L71828-03AS     | AS   | 03/15/22 14:52 | MS220228-9 | .05 | .00013 | .05514 | mg/L  | 110  | 70       | 130     |     |       |      |
| L71828-03ASD    | ASD  | 03/15/22 14:54 | MS220228-9 | .05 | .00013 | .05528 | mg/L  | 110  | 70       | 130     | 0   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG538430</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG538430ICV     | ICV  | 03/18/22 19:38 | II220311-1 | 2     |        | 1.959 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG538430ICB     | ICB  | 03/18/22 19:44 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG538430LFB     | LFB  | 03/18/22 19:56 | II220314-2 | .5005 |        | .488  | mg/L  | 98   | 85     | 115   |     |       |      |
| L71828-02AS     | AS   | 03/18/22 20:06 | II220314-2 | .5005 | U      | .4995 | mg/L  | 100  | 85     | 115   |     |       |      |
| L71828-02ASD    | ASD  | 03/18/22 20:09 | II220314-2 | .5005 | U      | .491  | mg/L  | 98   | 85     | 115   | 2   | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG538378</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG538378ICV     | ICV  | 03/16/22 15:49 | II220311-1 | 2      |        | 1.9   | mg/L  | 95   | 95    | 105   |     |       |      |
| WG538378ICB     | ICB  | 03/16/22 15:55 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG538378LFB     | LFB  | 03/16/22 16:08 | II220314-2 | .50045 |        | .501  | mg/L  | 100  | 85    | 115   |     |       |      |
| L71728-03AS     | AS   | 03/16/22 16:17 | II220314-2 | .50045 | .049   | .557  | mg/L  | 102  | 85    | 115   |     |       |      |
| L71728-03ASD    | ASD  | 03/16/22 16:20 | II220314-2 | .50045 | .049   | .547  | mg/L  | 100  | 85    | 115   | 2   | 20    |      |
| L71867-02AS     | AS   | 03/16/22 17:31 | II220314-2 | .50045 | U      | .469  | mg/L  | 94   | 85    | 115   |     |       |      |
| L71867-02ASD    | ASD  | 03/16/22 17:34 | II220314-2 | .50045 | U      | .475  | mg/L  | 95   | 85    | 115   | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L71828**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L71828-01</b> | WG538856 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538066 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG538959 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538176 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537858 | Residue, Filterable (TDS) @180C     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540C                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537892 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L71828-02</b> | WG538421 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
|                  | WG538856 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538066 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG538959 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538176 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537858 | Residue, Filterable (TDS) @180C     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537892 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  |          |                                     | SM2540D                               | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
| <b>L71828-03</b> | WG538421 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
|                  | WG538856 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538066 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG538959 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538176 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537858 | Residue, Filterable (TDS) @180C     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537892 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  |          |                                     | SM2540D                               | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |

**Ouray Silver Mines**

ACZ Project ID: **L71828**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL     | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L71828-04</b> | WG538856 | Chloride                            | SM4500CI-E                                 | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538066 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | M2       | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG538959 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538176 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)       | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537858 | Residue, Filterable (TDS) @180C     | SM2540C                                    | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537892 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538421 | Sulfate                             | SM2540D<br>D516-02/-07/-11 - TURBIDIMETRIC | Z3<br>M1 | Sample volume yielded a residue less than 2.5 mg<br>Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.        |
| <b>L71828-05</b> | WG538292 | Beryllium, dissolved                | M200.8 ICP-MS                              | VC       | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  | WG538856 | Chloride                            | SM4500CI-E                                 | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG538292 | Copper, dissolved                   | M200.8 ICP-MS                              | VC       | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  | WG538066 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | M2       | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG538959 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537858 | Residue, Filterable (TDS) @180C     | SM2540C                                    | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG537892 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | Z3       | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG538378 | Sodium, dissolved                   | M200.7 ICP                                 | MA       | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                      |
|                  | WG538421 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC            | M1       | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |

**Ouray Silver Mines**

ACZ Project ID: **L71828**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L71828

Date Received: 03/07/2022 11:35

Received By:

Date Printed: 3/8/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 6625      | 4.9       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L71828

Date Received: 03/07/2022 11:35

Received By:

Date Printed: 3/8/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc. L 71828

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 970-325-9830 ext 1106

Copy of Report to:

Name: Poppy Staub  
Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com  
Telephone: 970-325-9830

Invoice to:

Name: Jen Smith  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Ouray, CO 81427  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone Mnt

\*Sampler's Signature: I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #: GW

PO#:

Reporting state for compliance testing: CO

Check box if samples include NRC licensed material? ☐

| SAMPLE IDENTIFICATION |          |       | DATE:TIME | Matrix | # of Containers                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|----------|-------|-----------|--------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                       |          |       |           |        |                                     | GW                       |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| GW-0                  | 3/3/2022 | 13:59 | GW        | 5      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| GW-99                 | 3/3/2022 | 12:30 | GW        | 5      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| GW-1B                 | 3/3/2022 | 10:30 | GW        | 5      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| GW-2A                 | 3/3/2022 | 12:20 | GW        | 5      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| GW-2B                 | 3/3/2022 | 13:05 | GW        | 5      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |          |       |           |        | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |          |       |           |        | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |          |       |           |        | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |          |       |           |        | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |          |       |           |        | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WWW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

| RELINQUISHED BY: | DATE:TIME    | RECEIVED BY: | DATE:TIME    |
|------------------|--------------|--------------|--------------|
|                  | 3/3/22 17:00 |              | 3/7/22 19:17 |
|                  |              |              |              |
|                  |              |              |              |

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

L71828 Chain of Custody

June 15, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L73467

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 26, 2022. This project has been assigned to ACZ's project number, L73467. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L73467. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 15, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.





**Ouray Silver Mines**

Project ID:

Sample ID: GW-2A

ACZ Sample ID: **L73467-01**

Date Sampled: 05/25/22 11:38

Date Received: 05/26/22

Sample Matrix: Groundwater

**Inorganic Prep**

| Parameter         | EPA Method                            | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-------------------|---------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Cyanide, total    | M335.4 - Manual Distillation          |          |        |      |    |       |     |     | 06/03/22 10:48 | gkk/bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic Acid Digestion |          |        |      |    |       |     |     | 06/02/22 16:27 | ngm/gk<br>k |

**Metals Analysis**

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 06/13/22 16:56 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00097  | B    |    | mg/L  | 0.0004  | 0.002   | 06/07/22 14:35 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00027  | B    |    | mg/L  | 0.0002  | 0.001   | 06/07/22 14:35 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0444   |      |    | mg/L  | 0.009   | 0.035   | 06/13/22 16:56 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 06/07/22 14:35 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 06/13/22 16:56 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000604 |      |    | mg/L  | 0.00005 | 0.00025 | 06/07/22 14:35 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 32.4     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 16:56 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 06/07/22 14:35 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/07/22 14:35 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 06/13/22 16:56 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00035  | B    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:35 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.59     |      |    | mg/L  | 0.2     | 1       | 06/13/22 16:56 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/13/22 16:56 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/01/22 12:19 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00099  |      |    | mg/L  | 0.0002  | 0.0005  | 06/07/22 14:35 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 06/13/22 16:56 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.48     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 16:56 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00021  | B    |    | mg/L  | 0.0001  | 0.00025 | 06/07/22 14:35 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.2      |      |    | mg/L  | 0.2     | 1       | 06/13/22 16:56 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:35 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.24     |      |    | mg/L  | 0.2     | 1       | 06/13/22 16:56 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 18:57 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:35 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 06/13/22 16:56 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.469    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 16:56 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2A

ACZ Sample ID: **L73467-01**

Date Sampled: 05/25/22 11:38

Date Received: 05/26/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 30.1   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 30.1   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 06/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2      |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2      |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 0.61   | B    | *  | mg/L     | 0.5   | 2    | 05/31/22 16:29 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 215    |      |    | umhos/cm | 1     | 10   | 06/01/22 3:00  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | 0.0110 |      | *  | mg/L     | 0.003 | 0.01 | 06/06/22 10:15 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.25   | B    | *  | mg/L     | 0.15  | 0.35 | 06/06/22 17:18 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 92     |      |    | mg/L     | 0.2   | 5    | 06/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.734  |      | *  | mg/L     | 0.02  | 0.1  | 06/04/22 22:31 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.7    | H    |    | units    | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.9   |      |    | C        | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 06/10/22 2:39  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 142    |      | *  | mg/L     | 20    | 40   | 05/31/22 15:14 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/01/22 13:41 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 63.0   |      | *  | mg/L     | 5     | 25   | 05/29/22 12:53 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 127    |      |    | mg/L     |       |      | 06/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.12   |      |    |          |       |      | 06/15/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-1A

ACZ Sample ID: **L73467-02**

Date Sampled: 05/25/22 09:42

Date Received: 05/26/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 06/03/22 10:59 | gkk/bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/02/22 16:38 | ngm/gk<br>k |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 06/13/22 17:06 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00085  | B    |    | mg/L  | 0.0004  | 0.002   | 06/07/22 14:37 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00049  | B    |    | mg/L  | 0.0002  | 0.001   | 06/07/22 14:37 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0406   |      |    | mg/L  | 0.009   | 0.035   | 06/13/22 17:06 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 06/07/22 14:37 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 06/13/22 17:06 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000121 | B    |    | mg/L  | 0.00005 | 0.00025 | 06/07/22 14:37 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 26.5     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 17:06 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 06/07/22 14:37 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/07/22 14:37 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 06/13/22 17:06 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:37 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.23     |      |    | mg/L  | 0.2     | 1       | 06/13/22 17:06 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/13/22 17:06 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/01/22 12:57 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00100  |      |    | mg/L  | 0.0002  | 0.0005  | 06/07/22 14:37 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 06/13/22 17:06 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.38     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 17:06 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00029  |      |    | mg/L  | 0.0001  | 0.00025 | 06/07/22 14:37 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.7      |      |    | mg/L  | 0.2     | 1       | 06/13/22 17:06 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:37 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.57     |      |    | mg/L  | 0.2     | 1       | 06/13/22 17:06 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 18:58 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:37 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 06/13/22 17:06 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.061    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 17:06 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-1A

ACZ Sample ID: **L73467-02**

Date Sampled: 05/25/22 09:42

Date Received: 05/26/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 43.4   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 43.4   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -3.0   |      |    | %        |       |      | 06/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 1.7    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 1.6    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 0.73   | B    | *  | mg/L     | 0.5   | 2    | 05/31/22 16:30 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 178    |      |    | umhos/cm | 1     | 10   | 06/01/22 3:08  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | 0.0047 | B    | *  | mg/L     | 0.003 | 0.01 | 06/06/22 10:16 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.19   | B    | *  | mg/L     | 0.15  | 0.35 | 06/06/22 17:22 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 75     |      |    | mg/L     | 0.2   | 5    | 06/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 1.06   |      | *  | mg/L     | 0.02  | 0.1  | 06/04/22 22:33 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.9    | H    |    | units    | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.4   |      |    | C        | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 06/10/22 2:40  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 118    |      | *  | mg/L     | 20    | 40   | 05/31/22 15:16 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/01/22 13:43 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 1        | 38.5   |      | *  | mg/L     | 1     | 5    | 05/29/22 11:50 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 104    |      |    | mg/L     |       |      | 06/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.13   |      |    |          |       |      | 06/15/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-1B

ACZ Sample ID: **L73467-03**

Date Sampled: 05/25/22 10:24

Date Received: 05/26/22

Sample Matrix: Groundwater

**Inorganic Prep**

| Parameter         | EPA Method                            | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-------------------|---------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Cyanide, total    | M335.4 - Manual Distillation          |          |        |      |    |       |     |     | 06/03/22 11:11 | gkk/bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic Acid Digestion |          |        |      |    |       |     |     | 06/02/22 16:49 | ngm/gk<br>k |

**Metals Analysis**

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 06/13/22 17:09 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00080  | B    |    | mg/L  | 0.0004  | 0.002   | 06/07/22 14:39 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00054  | B    |    | mg/L  | 0.0002  | 0.001   | 06/07/22 14:39 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0435   |      |    | mg/L  | 0.009   | 0.035   | 06/13/22 17:09 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 06/07/22 14:39 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 06/13/22 17:09 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000109 | B    |    | mg/L  | 0.00005 | 0.00025 | 06/07/22 14:39 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 27.2     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 17:09 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 06/07/22 14:39 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/07/22 14:39 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 06/13/22 17:09 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00017  | B    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:39 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.27     |      |    | mg/L  | 0.2     | 1       | 06/13/22 17:09 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/13/22 17:09 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/01/22 12:58 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00106  |      |    | mg/L  | 0.0002  | 0.0005  | 06/07/22 14:39 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 06/13/22 17:09 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.43     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 17:09 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00026  |      |    | mg/L  | 0.0001  | 0.00025 | 06/07/22 14:39 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.8      |      |    | mg/L  | 0.2     | 1       | 06/13/22 17:09 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:39 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.59     |      |    | mg/L  | 0.2     | 1       | 06/13/22 17:09 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 19:00 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:39 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 06/13/22 17:09 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.060    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 17:09 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-1B

ACZ Sample ID: **L73467-03**

Date Sampled: 05/25/22 10:24

Date Received: 05/26/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 43.5   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 43.5   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 06/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 1.7    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 1.7    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 0.51   | B    | *  | mg/L     | 0.5   | 2    | 05/31/22 16:32 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 180    |      |    | umhos/cm | 1     | 10   | 06/01/22 3:16  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 06/06/22 10:18 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.18   | B    | *  | mg/L     | 0.15  | 0.35 | 06/06/22 17:37 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 77     |      |    | mg/L     | 0.2   | 5    | 06/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 1.10   |      | *  | mg/L     | 0.02  | 0.1  | 06/04/22 22:34 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 8.0    | H    |    | units    | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.6   |      |    | C        | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 06/10/22 2:41  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 120    |      | *  | mg/L     | 20    | 40   | 05/31/22 15:18 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/01/22 13:46 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 1        | 39.1   |      | *  | mg/L     | 1     | 5    | 05/29/22 11:50 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 105    |      |    | mg/L     |       |      | 06/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.14   |      |    |          |       |      | 06/15/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-99

ACZ Sample ID: **L73467-04**

Date Sampled: 05/25/22 15:11

Date Received: 05/26/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 06/03/22 11:34 | gkk/bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/02/22 16:59 | ngm/gk<br>k |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 06/13/22 17:12 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00108  | B    |    | mg/L  | 0.0004  | 0.002   | 06/07/22 14:44 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00054  | B    |    | mg/L  | 0.0002  | 0.001   | 06/07/22 14:44 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0371   |      |    | mg/L  | 0.009   | 0.035   | 06/13/22 17:12 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 06/07/22 14:44 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 06/13/22 17:12 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000288 |      |    | mg/L  | 0.00005 | 0.00025 | 06/07/22 14:44 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 34.9     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 17:12 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 06/07/22 14:44 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/07/22 14:44 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 06/13/22 17:12 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:44 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.01     |      |    | mg/L  | 0.2     | 1       | 06/13/22 17:12 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/13/22 17:12 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/01/22 12:59 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00076  |      |    | mg/L  | 0.0002  | 0.0005  | 06/07/22 14:44 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 06/13/22 17:12 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.42     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 17:12 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00026  |      |    | mg/L  | 0.0001  | 0.00025 | 06/07/22 14:44 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.0      |      |    | mg/L  | 0.2     | 1       | 06/13/22 17:12 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:44 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 3.14     |      |    | mg/L  | 0.2     | 1       | 06/13/22 17:12 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 19:02 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:44 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 06/13/22 17:12 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.178    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 17:12 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-99

ACZ Sample ID: **L73467-04**

Date Sampled: 05/25/22 15:11

Date Received: 05/26/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 34.8   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 34.8   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 06/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.1    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.1    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 0.70   | B    | *  | mg/L     | 0.5   | 2    | 05/31/22 16:32 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 231    |      |    | umhos/cm | 1     | 10   | 06/01/22 3:24  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 06/06/22 10:20 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.15   | B    | *  | mg/L     | 0.15  | 0.35 | 06/06/22 17:42 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 95     |      |    | mg/L     | 0.2   | 5    | 06/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.755  |      | *  | mg/L     | 0.02  | 0.1  | 06/04/22 22:40 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.7    | H    |    | units    | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.2   |      |    | C        | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 06/10/22 2:42  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 154    |      | *  | mg/L     | 20    | 40   | 05/31/22 15:20 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/01/22 13:49 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 66.9   |      |    | mg/L     | 5     | 25   | 05/29/22 12:53 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 136    |      |    | mg/L     |       |      | 06/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.13   |      |    |          |       |      | 06/15/22 0:00  | calc    |




**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L73467**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543272</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG543272PBW1    | PBW  | 05/31/22 18:40 |            |          |        | 6.4   | mg/L  |      | -20   | 20    |     |       |      |
| WG543272LCSW3   | LCSW | 05/31/22 18:56 | WC220513-7 | 820.0001 |        | 777   | mg/L  | 95   | 90    | 110   |     |       |      |
| WG543272LCSW6   | LCSW | 05/31/22 22:14 | WC220513-7 | 820.0001 |        | 780.6 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG543272PBW2    | PBW  | 05/31/22 22:20 |            |          |        | 6.5   | mg/L  |      | -20   | 20    |     |       |      |
| WG543272LCSW9   | LCSW | 06/01/22 1:14  | WC220513-7 | 820.0001 |        | 801.9 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG543272PBW3    | PBW  | 06/01/22 1:19  |            |          |        | 5.4   | mg/L  |      | -20   | 20    |     |       |      |
| L73475-01DUP    | DUP  | 06/01/22 4:10  |            |          | 41     | 41.2  | mg/L  |      |       |       | 0   | 20    |      |
| WG543272LCSW12  | LCSW | 06/01/22 4:29  | WC220513-7 | 820.0001 |        | 801.7 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG543272PBW4    | PBW  | 06/01/22 4:35  |            |          |        | 4.9   | mg/L  |      | -20   | 20    |     |       |      |
| WG543272LCSW15  | LCSW | 06/01/22 7:46  | WC220513-7 | 820.0001 |        | 806.6 | mg/L  | 98   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 2      |        | 1.981 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | 1.0008 |        | 1.085 | mg/L  | 108  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | 1.0008 | U      | 1.046 | mg/L  | 105  | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | 1.0008 | U      | 1.05  | mg/L  | 105  | 85    | 115   | 0   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .0201 |        | .02062 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .01   |        | .00899 | mg/L  | 90   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .01   | .0008  | .00887 | mg/L  | 81   | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .01   | .0008  | .00914 | mg/L  | 83   | 70       | 130     | 3   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |        |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05    |        | .05289 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05005 |        | .05029 | mg/L  | 100  | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05005 | .00054 | .05341 | mg/L  | 106  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05005 | .00054 | .05325 | mg/L  | 105  | 70       | 130     | 0   | 20    |      |

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |    |        |        |       |      |        |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 2  |        | 2.0002 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |    |        | U      | mg/L  |      | -0.027 | 0.027 |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | .5 |        | .5289  | mg/L  | 106  | 85     | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | .5 | .0371  | .5596  | mg/L  | 105  | 85     | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | .5 | .0371  | .564   | mg/L  | 105  | 85     | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73467**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG543776</b> |      |                |             |        |        |         |       |      |           |          |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05    |        | .053754 | mg/L  | 108  | 90        | 110      |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05005 |        | .050508 | mg/L  | 101  | 85        | 115      |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05005 | U      | .054    | mg/L  | 108  | 70        | 130      |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05005 | U      | .054161 | mg/L  | 108  | 70        | 130      | 0   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 2     |        | 2.043 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | .5005 |        | .554  | mg/L  | 111  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | .5005 | U      | .562  | mg/L  | 112  | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | .5005 | U      | .564  | mg/L  | 113  | 85    | 115   | 0   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |        |         |         |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05    |         | .054317 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05005 |         | .050157 | mg/L  | 100  | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05005 | .000109 | .052104 | mg/L  | 104  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05005 | .000109 | .050884 | mg/L  | 101  | 70       | 130     | 2   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |         |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 100     |        | 99.99 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |         |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | 67.9908 |        | 72.15 | mg/L  | 106  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | 67.9908 | 34.9   | 103.6 | mg/L  | 101  | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | 67.9908 | 34.9   | 103.9 | mg/L  | 101  | 85    | 115   | 0   | 20    |      |

**Chloride**

SM4500Cl-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543264</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543264ICV     | ICV  | 05/31/22 16:24 | WI220502-12 | 54.945 |        | 55.71 | mg/L  | 101  | 90    | 110   |     |       |      |
| WG543264ICB     | ICB  | 05/31/22 16:25 |             |        |        | U     | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG543264LFB1    | LFB  | 05/31/22 16:25 | WI220328-1  | 29.97  |        | 31.4  | mg/L  | 105  | 90    | 110   |     |       |      |
| L73465-01AS     | AS   | 05/31/22 16:26 | WI220328-1  | 29.97  | 10.2   | 41.4  | mg/L  | 104  | 90    | 110   |     |       |      |
| L73465-03DUP    | DUP  | 05/31/22 16:27 |             |        | 2.2    | 2.16  | mg/L  |      |       |       | 2   | 20    | RA   |
| WG543264LFB2    | LFB  | 05/31/22 16:40 | WI220328-1  | 29.97  |        | 31.28 | mg/L  | 104  | 90    | 110   |     |       |      |

**OURAYSM**

ACZ Project ID: **L73467**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |         |        |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05 |        | .05318 | mg/L  | 106  | 90      | 110    |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05 |        | .04877 | mg/L  | 98   | 85      | 115    |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05 | U      | .04908 | mg/L  | 98   | 70      | 130    |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05 | U      | .04932 | mg/L  | 99   | 70      | 130    | 0   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG543272</b> |      |                |          |      |        |       |          |      |       |       |     |       |      |
| WG543272LCSW2   | LCSW | 05/31/22 18:46 | PCN65454 | 1409 |        | 1458  | umhos/cm | 103  | 90    | 110   |     |       |      |
| WG543272LCSW5   | LCSW | 05/31/22 22:03 | PCN65454 | 1409 |        | 1448  | umhos/cm | 103  | 90    | 110   |     |       |      |
| WG543272LCSW8   | LCSW | 06/01/22 1:01  | PCN65454 | 1409 |        | 1448  | umhos/cm | 103  | 90    | 110   |     |       |      |
| L73475-01DUP    | DUP  | 06/01/22 4:10  |          |      | 141    | 141   | umhos/cm |      |       |       | 0   | 20    |      |
| WG543272LCSW11  | LCSW | 06/01/22 4:16  | PCN65454 | 1409 |        | 1439  | umhos/cm | 102  | 90    | 110   |     |       |      |
| WG543272LCSW14  | LCSW | 06/01/22 7:35  | PCN65454 | 1409 |        | 1431  | umhos/cm | 102  | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05 |        | .05366 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05 |        | .04729 | mg/L  | 95   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05 | U      | .04754 | mg/L  | 95   | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05 | U      | .04772 | mg/L  | 95   | 70       | 130     | 0   | 20    |      |

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG543637</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG543637ICV     | ICV  | 06/06/22 10:06 | WI220527-3 | .3003 |        | .2965 | mg/L  | 99   | 90     | 110   |     |       |      |
| WG543637ICB     | ICB  | 06/06/22 10:07 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543521LRB     | LRB  | 06/06/22 10:08 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543521LFB     | LFB  | 06/06/22 10:09 | WI220527-5 | .2    |        | .1992 | mg/L  | 100  | 90     | 110   |     |       |      |
| L73467-03DUP    | DUP  | 06/06/22 10:19 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L73467-04LFM    | LFM  | 06/06/22 10:21 | WI220527-5 | .2    | U      | .2058 | mg/L  | 103  | 90     | 110   |     |       |      |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543642</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543642ICV     | ICV  | 06/06/22 10:23 | WC220602-7 | 2.008 |        | 2.06  | mg/L  | 103  | 90    | 110   |     |       |      |
| WG543642ICB     | ICB  | 06/06/22 10:28 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| <b>WG543670</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543670ICV     | ICV  | 06/06/22 16:24 | WC220602-7 | 2.008 |        | 2.14  | mg/L  | 107  | 90    | 110   |     |       |      |
| WG543670ICB     | ICB  | 06/06/22 16:31 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG543670LFB1    | LFB  | 06/06/22 16:39 | WC220104-2 | 5.02  |        | 5     | mg/L  | 100  | 90    | 110   |     |       |      |
| L73465-01AS     | AS   | 06/06/22 16:47 | WC220606-1 | 5.02  | .45    | 4.84  | mg/L  | 87   | 90    | 110   |     |       | M2   |
| L73465-01ASD    | ASD  | 06/06/22 16:51 | WC220606-1 | 5.02  | .45    | 4.87  | mg/L  | 88   | 90    | 110   | 1   | 20    | M2   |
| WG543670LFB3    | LFB  | 06/06/22 19:04 | WC220606-1 | 5.02  |        | 4.69  | mg/L  | 93   | 90    | 110   |     |       |      |

**OURAYSM**

ACZ Project ID: **L73467**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 2      |        | 2.015 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | 1.0013 |        | 1.129 | mg/L  | 113  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | 1.0013 | U      | 1.039 | mg/L  | 104  | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | 1.0013 | U      | 1.031 | mg/L  | 103  | 85    | 115   | 1   | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05   |        | .0543  | mg/L  | 109  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .0501 |        | .04987 | mg/L  | 100  | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .0501 | .00017 | .05159 | mg/L  | 103  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .0501 | .00017 | .05005 | mg/L  | 100  | 70       | 130     | 3   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 100      |        | 96.79 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | 49.99922 |        | 50.83 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | 49.99922 | 2.01   | 51.4  | mg/L  | 99   | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | 49.99922 | 2.01   | 51.54 | mg/L  | 99   | 85    | 115   | 0   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 2    |        | 1.971 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | .499 |        | .533  | mg/L  | 107  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | .499 | U      | .511  | mg/L  | 102  | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | .499 | U      | .512  | mg/L  | 103  | 85    | 115   | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73467**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543277</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG543277ICV     | ICV  | 06/01/22 11:11 | HG220523-3 | .005005 |        | .00508 | mg/L  | 101  | 95       | 105     |     |       |      |
| WG543277ICB     | ICB  | 06/01/22 11:12 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG543278</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG543278LRB     | LRB  | 06/01/22 11:51 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543278LFB     | LFB  | 06/01/22 11:52 | HG220523-6 | .002002 |        | .00206 | mg/L  | 103  | 85       | 115     |     |       |      |
| L73465-01LFM    | LFM  | 06/01/22 12:13 | HG220523-6 | .002002 | U      | .00211 | mg/L  | 105  | 85       | 115     |     |       |      |
| L73465-01LFMD   | LFMD | 06/01/22 12:14 | HG220523-6 | .002002 | U      | .00207 | mg/L  | 103  | 85       | 115     | 2   | 20    |      |
| <b>WG543279</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG543279LRB     | LRB  | 06/01/22 12:42 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543279LFB     | LFB  | 06/01/22 12:43 | HG220523-6 | .002002 |        | .00208 | mg/L  | 104  | 85       | 115     |     |       |      |
| L73467-04LFM    | LFM  | 06/01/22 13:00 | HG220523-6 | .002002 | U      | .00206 | mg/L  | 103  | 85       | 115     |     |       |      |
| L73467-04LFMD   | LFMD | 06/01/22 13:01 | HG220523-6 | .002002 | U      | .0021  | mg/L  | 105  | 85       | 115     | 2   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |        |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .02    |        | .02077 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05005 |        | .0492  | mg/L  | 98   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05005 | .00106 | .05044 | mg/L  | 99   | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05005 | .00106 | .05083 | mg/L  | 99   | 70       | 130     | 1   | 20    |      |

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |       |        |        |       |      |        |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 2     |        | 1.9575 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |       |        | U      | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | .5005 |        | .536   | mg/L  | 107  | 85     | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | .5005 | U      | .5156  | mg/L  | 103  | 85     | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | .5005 | U      | .5133  | mg/L  | 103  | 85     | 115   | 0   | 20    |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543609</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543609ICV     | ICV  | 06/04/22 21:17 | WI220602-3  | 2.4161 |        | 2.305 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG543609ICB     | ICB  | 06/04/22 21:19 |             |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG543610</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543610LFB     | LFB  | 06/04/22 22:02 | WI220401-10 | 2      |        | 2.027 | mg/L  | 101  | 90    | 110   |     |       |      |
| L73321-04AS     | AS   | 06/04/22 22:28 | WI220401-10 | 2      | U      | 2.005 | mg/L  | 100  | 90    | 110   |     |       |      |
| L73321-05DUP    | DUP  | 06/04/22 22:30 |             |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**OURAYSM**

ACZ Project ID: **L73467**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543272</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG543272LCSW1   | LCSW | 05/31/22 18:44 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543272LCSW4   | LCSW | 05/31/22 22:01 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543272LCSW7   | LCSW | 06/01/22 1:00  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L73475-01DUP    | DUP  | 06/01/22 4:10  |          |    | 8.1    | 8.1   | units |      |       |       | 0   | 20    |      |
| WG543272LCSW10  | LCSW | 06/01/22 4:14  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543272LCSW13  | LCSW | 06/01/22 7:33  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544044</b> |      |               |            |        |        |       |       |      |       |       |     |       |      |
| WG544044ICV     | ICV  | 06/10/22 1:12 | WI220601-6 | .65228 |        | .643  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG544044ICB     | ICB  | 06/10/22 1:14 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| <b>WG544046</b> |      |               |            |        |        |       |       |      |       |       |     |       |      |
| WG543477LRB     | LRB  | 06/10/22 2:24 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG543477LFB     | LFB  | 06/10/22 2:25 | WI220601-7 | .5     |        | .482  | mg/L  | 96   | 90    | 110   |     |       |      |
| L73423-01LFM    | LFM  | 06/10/22 2:45 | WI220601-7 | .5     | 7.51   | 8.34  | mg/L  | 166  | 90    | 110   |     |       | M3   |
| L73423-02DUP    | DUP  | 06/10/22 2:47 |            |        | 8.17   | 8.023 | mg/L  |      |       |       | 2   | 20    |      |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 20       |        | 19.74 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | 99.96218 |        | 104.4 | mg/L  | 104  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | 99.96218 | .42    | 101.5 | mg/L  | 101  | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | 99.96218 | .42    | 102.3 | mg/L  | 102  | 85    | 115   | 1   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543258</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG543258PBW     | PBW  | 05/31/22 14:45 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG543258LCSW    | LCSW | 05/31/22 14:46 | PCN63843 | 1000 |        | 1010  | mg/L  | 101  | 80    | 120   |     |       |      |
| L73468-04DUP    | DUP  | 05/31/22 15:29 |          |      | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543353</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG543353PBW     | PBW  | 06/01/22 13:02 |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG543353LCSW    | LCSW | 06/01/22 13:04 | PCN63843 | 100 |        | 107   | mg/L  | 107  | 80    | 120   |     |       |      |
| L73468-02DUP    | DUP  | 06/01/22 13:56 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**OURAYSM**

ACZ Project ID: **L73467**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Selenium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05 |        | .05318 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05 |        | .05045 | mg/L  | 101  | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05 | .00026 | .05577 | mg/L  | 111  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05 | .00026 | .05444 | mg/L  | 108  | 70       | 130     | 2   | 20    |      |

**Silica, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 42.8   |        | 43.77 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | 21.404 |        | 23.37 | mg/L  | 109  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | 21.404 | 5      | 27.79 | mg/L  | 106  | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | 21.404 | 5      | 27.8  | mg/L  | 107  | 85    | 115   | 0   | 20    |      |

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .02 |        | .02167 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .01 |        | .0094  | mg/L  | 94   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .01 | U      | .00955 | mg/L  | 96   | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .01 | U      | .00942 | mg/L  | 94   | 70       | 130     | 1   | 20    |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 100      |        | 99.22 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | 100.0282 |        | 103.8 | mg/L  | 104  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | 100.0282 | 3.14   | 105.3 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | 100.0282 | 3.14   | 106.1 | mg/L  | 103  | 85    | 115   | 1   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC         | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG543192</b> |      |                |            |            |        |        |       |      |       |       |     |       |      |
| WG543192ICB     | ICB  | 05/29/22 11:40 |            |            |        | U      | mg/L  |      | -3    | 3     |     |       |      |
| WG543192ICV     | ICV  | 05/29/22 11:40 | WI220517-1 | 20.46      |        | 19.6   | mg/L  | 96   | 90    | 110   |     |       |      |
| WG543192LFB     | LFB  | 05/29/22 11:48 | WI220415-3 | 9.95       |        | 10.1   | mg/L  | 102  | 90    | 110   |     |       |      |
| L73461-01DUP    | DUP  | 05/29/22 12:50 |            |            | 3010   | 3027.8 | mg/L  |      |       |       | 1   | 20    |      |
| L73461-02AS     | AS   | 05/29/22 12:50 | SO4TURB    | 10.0000008 | 3170   | 3168.4 | mg/L  | -16  | 90    | 110   |     |       | M3   |
| L73468-01DUP    | DUP  | 05/29/22 12:53 |            |            | 79.2   | 78.6   | mg/L  |      |       |       | 1   | 20    |      |
| L73468-02AS     | AS   | 05/29/22 12:53 | SO4TURB5X  | 10         | 66.9   | 76.4   | mg/L  | 95   | 90    | 110   |     |       |      |



**OURAYSM**

ACZ Project ID: **L73467**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544036</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG544036ICV     | ICV  | 06/09/22 18:51 | MS220502-1  | .05 |        | .053   | mg/L  | 106  | 90       | 110     |     |       |      |
| WG544036ICB     | ICB  | 06/09/22 18:53 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG544036LFB     | LFB  | 06/09/22 18:55 | MS220601-10 | .05 |        | .05078 | mg/L  | 102  | 85       | 115     |     |       |      |
| L73467-04AS     | AS   | 06/09/22 19:04 | MS220601-10 | .05 | U      | .0501  | mg/L  | 100  | 70       | 130     |     |       |      |
| L73467-04ASD    | ASD  | 06/09/22 19:06 | MS220601-10 | .05 | U      | .04925 | mg/L  | 99   | 70       | 130     | 2   | 20    |      |

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05 |        | .05515 | mg/L  | 110  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05 |        | .04946 | mg/L  | 99   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05 | U      | .05102 | mg/L  | 102  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05 | U      | .05007 | mg/L  | 100  | 70       | 130     | 2   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 2     |        | 2.006 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | .5005 |        | .5271 | mg/L  | 105  | 85     | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | .5005 | U      | .5138 | mg/L  | 103  | 85     | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | .5005 | U      | .518  | mg/L  | 103  | 85     | 115   | 1   | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544119</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544119ICV     | ICV  | 06/13/22 15:29 | II220609-1 | 2      |        | 1.965 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG544119ICB     | ICB  | 06/13/22 15:35 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG544119LFB     | LFB  | 06/13/22 15:48 | II220602-7 | .50045 |        | .54   | mg/L  | 108  | 85    | 115   |     |       |      |
| L73467-04AS     | AS   | 06/13/22 17:15 | II220602-7 | .50045 | .178   | .693  | mg/L  | 103  | 85    | 115   |     |       |      |
| L73467-04ASD    | ASD  | 06/13/22 17:18 | II220602-7 | .50045 | .178   | .7    | mg/L  | 104  | 85    | 115   | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L73467**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL     | DESCRIPTION                                                                                                                                                                                                                                               |
|------------------|----------|-------------------------------------|--------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L73467-01</b> | WG543264 | Chloride                            | SM4500CI-E                                 | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG543637 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG543670 | Fluoride                            | SM4500F-C                                  | M2       | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                                                                                 |
|                  | WG543610 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG544046 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)       | M3       | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.                                                     |
|                  | WG543258 | Residue, Filterable (TDS) @180C     | SM2540C                                    | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG543353 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG543192 | Sulfate                             | SM2540D<br>D516-02/-07/-11 - TURBIDIMETRIC | Z3<br>M3 | Sample volume yielded a residue less than 2.5 mg<br>The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
| <b>L73467-02</b> | WG543264 | Chloride                            | SM4500CI-E                                 | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG543637 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG543670 | Fluoride                            | SM4500F-C                                  | M2       | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                                                                                 |
|                  | WG543610 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG544046 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)       | M3       | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.                                                     |
|                  | WG543258 | Residue, Filterable (TDS) @180C     | SM2540C                                    | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG543353 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                                                                     |
|                  | WG543192 | Sulfate                             | SM2540D<br>D516-02/-07/-11 - TURBIDIMETRIC | Z3<br>M3 | Sample volume yielded a residue less than 2.5 mg<br>The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |

**Ouray Silver Mines**

ACZ Project ID: **L73467**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L73467-03</b> | WG543264 | Chloride                            | SM4500CI-E                                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543637 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543670 | Fluoride                            | SM4500F-C                                  | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG543610 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG544046 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG543258 | Residue, Filterable (TDS) @180C     | SM2540C                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543353 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543192 | Sulfate                             | SM2540D<br>D516-02/-07/-11 - TURBIDIMETRIC | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
| <b>L73467-04</b> | WG543264 | Chloride                            | SM4500CI-E                                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543637 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543670 | Fluoride                            | SM4500F-C                                  | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG543610 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG544046 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG543258 | Residue, Filterable (TDS) @180C     | SM2540C                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543353 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L73467**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L73467

Date Received: 05/26/2022 10:22

Received By:

Date Printed: 5/27/2022

**Receipt Verification**

|                                                                                             | YES | NO | NA |
|---------------------------------------------------------------------------------------------|-----|----|----|
| 1) Is a foreign soil permit included for applicable samples?                                |     |    | X  |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | X   |    |    |
| 3) Does this project require special handling procedures such as CLP protocol?              |     | X  |    |
| 4) Are any samples NRC licensable material?                                                 |     |    | X  |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | X   |    |    |
| 6) Is the Chain of Custody form complete and accurate?                                      | X   |    |    |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | X   |    |    |
| A change was made in the Sample ID line 3 section prior to ACZ custody.                     |     |    |    |
| A change was made in the Sample ID line 3 section prior to ACZ custody.                     |     |    |    |
| A change was made in the Sample ID line 3 section prior to ACZ custody.                     |     |    |    |
| A change was made in the Sample ID line 3 section prior to ACZ custody.                     |     |    |    |
| A change was made in the Sample ID line 3 section prior to ACZ custody.                     |     |    |    |

**Samples/Containers**

|                                                                                         | YES | NO | NA |
|-----------------------------------------------------------------------------------------|-----|----|----|
| 8) Are all containers intact and with no leaks?                                         | X   |    |    |
| 9) Are all labels on containers and are they intact and legible?                        | X   |    |    |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | X   |    |    |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | X   |    |    |
| 12) Is there sufficient sample volume to perform all requested work?                    | X   |    |    |
| 13) Is the custody seal intact on all containers?                                       |     |    | X  |
| 14) Are samples that require zero headspace acceptable?                                 |     |    | X  |
| 15) Are all sample containers appropriate for analytical requirements?                  | X   |    |    |
| 16) Is there an Hg-1631 trip blank present?                                             |     |    | X  |
| 17) Is there a VOA trip blank present?                                                  |     |    | X  |
| 18) Were all samples received within hold time?                                         | X   |    |    |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

Ouray Silver Mines

ACZ Project ID: L73467

Date Received: 05/26/2022 10:22

Received By:

Date Printed: 5/27/2022

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 6906      | 4.3       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

## Report to:

|                                    |                         |
|------------------------------------|-------------------------|
| Name: Todd Jesse                   | Address: P.O. Box 564   |
| Company: Oway Silver Mines         | Oway, CO 81427          |
| E-mail: tjesse@owaysilvermines.com | Telephone: 970 525 9830 |

Copy of Report to:

|                   |                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------|
| Name: Poppy Staub | E-mail: <a href="mailto:environmental@awayssilvermine.com">environmental@awayssilvermine.com</a> |
| Company: OSMI     | Telephone: 970 325 9830                                                                          |

**Invoice to:**

|                              |                                |
|------------------------------|--------------------------------|
| Name: <u>Jon Smith</u>       | Address: <u>PO Box 564</u>     |
| Company: <u>OSMTD</u>        | <u>Ouray CO 81427</u>          |
| E-mail: <u>jon@osmtd.com</u> | Telephone: <u>970 325 9930</u> |

**Copy of Invoice to:**

|          |  |            |
|----------|--|------------|
| Name:    |  | Address:   |
| Company: |  |            |
| E-mail:  |  | Telephone: |

**If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?**

YES  
NO

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

### Are samples for SDWA Compliance Monitoring?

**Yes**

No

**If yes, please include state forms. Results will be reported to PQL for Colorado.**

Sampler's Name: Feld, Jesse Sampler's Site Information State CO Zip code 81427 Time Zone MT

\*Sampler's Signature: [Signature]

## PROJECT INFORMATION:

ANALYSES REQUESTED (attach list or use quote number)

[illegible]

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

## REMARKS

|                                                                                     |               |                                                                                      |               |
|-------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------|---------------|
| Please refer to ACZ's terms & conditions located on the reverse side of this COC.   |               |                                                                                      |               |
| RELINQUISHED BY:                                                                    | DATE:TIME     | RECEIVED BY:                                                                         | DATE:TIME     |
|  | 5/25/02 10:55 |  | 5/26/02 10:22 |
|                                                                                     |               |                                                                                      |               |
|                                                                                     |               |                                                                                      |               |

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE: TIME:

June 15, 2022

## Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

## Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

## Project ID:

ACZ Project ID: L73468

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 26, 2022. This project has been assigned to ACZ's project number, L73468. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L73468. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 15, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.





**Ouray Silver Mines**

Project ID:

Sample ID: GW-2B

ACZ Sample ID: **L73468-01**

Date Sampled: 05/25/22 12:13

Date Received: 05/26/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 06/03/22 11:57 | gkk/bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/03/22 10:37 | ngm/gk<br>k |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 06/10/22 19:39 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00076  | B    |    | mg/L  | 0.0004  | 0.002   | 06/07/22 14:46 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00030  | B    |    | mg/L  | 0.0002  | 0.001   | 06/07/22 14:46 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0727   |      |    | mg/L  | 0.007   | 0.035   | 06/10/22 19:39 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 06/07/22 14:46 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 06/10/22 19:39 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000278 |      |    | mg/L  | 0.00005 | 0.00025 | 06/07/22 14:46 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 39.7     |      |    | mg/L  | 0.1     | 0.5     | 06/10/22 19:39 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 06/07/22 14:46 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/07/22 14:46 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 06/10/22 19:39 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:46 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 3.18     |      |    | mg/L  | 0.2     | 1       | 06/10/22 19:39 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/10/22 19:39 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/01/22 13:04 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00085  |      |    | mg/L  | 0.0002  | 0.0005  | 06/07/22 14:46 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 06/10/22 19:39 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.67     | B    |    | mg/L  | 0.2     | 1       | 06/10/22 19:39 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00028  |      |    | mg/L  | 0.0001  | 0.00025 | 06/07/22 14:46 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.5      |      |    | mg/L  | 0.2     | 1       | 06/10/22 19:39 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:46 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.43     |      |    | mg/L  | 0.2     | 1       | 06/10/22 19:39 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 19:08 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:46 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 06/10/22 19:39 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.347    |      |    | mg/L  | 0.02    | 0.05    | 06/10/22 19:39 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2B

ACZ Sample ID: **L73468-01**

Date Sampled: 05/25/22 12:13

Date Received: 05/26/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 34.5   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 34.5   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 06/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.4    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.4    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 0.81   | B    | *  | mg/L     | 0.5   | 2    | 05/31/22 16:33 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 251    |      |    | umhos/cm | 1     | 10   | 06/01/22 3:32  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 06/06/22 10:21 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.22   | B    | *  | mg/L     | 0.15  | 0.35 | 06/06/22 17:48 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 112    |      |    | mg/L     | 0.2   | 5    | 06/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.824  |      | *  | mg/L     | 0.02  | 0.1  | 06/04/22 22:41 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.7    | H    |    | units    | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.8   |      |    | C        | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 06/04/22 4:00  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 164    |      | *  | mg/L     | 20    | 40   | 05/31/22 15:22 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/01/22 13:51 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 79.2   |      |    | mg/L     | 5     | 25   | 05/29/22 12:53 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 155    |      |    | mg/L     |       |      | 06/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.06   |      |    |          |       |      | 06/15/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3B

ACZ Sample ID: **L73468-02**

Date Sampled: 05/25/22 13:12

Date Received: 05/26/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 06/03/22 12:21 | gkk/bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/03/22 10:48 | wgm/gk<br>k |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 06/10/22 19:54 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00071  | B    |    | mg/L  | 0.0004  | 0.002   | 06/07/22 14:48 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00026  | B    |    | mg/L  | 0.0002  | 0.001   | 06/07/22 14:48 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0559   |      |    | mg/L  | 0.007   | 0.035   | 06/10/22 19:54 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 06/07/22 14:48 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 06/10/22 19:54 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000081 | B    |    | mg/L  | 0.00005 | 0.00025 | 06/07/22 14:48 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 35.3     |      |    | mg/L  | 0.1     | 0.5     | 06/10/22 19:54 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 06/07/22 14:48 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/07/22 14:48 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 06/10/22 19:54 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00018  | B    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:48 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.45     |      |    | mg/L  | 0.2     | 1       | 06/10/22 19:54 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/10/22 19:54 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/01/22 13:05 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00064  |      |    | mg/L  | 0.0002  | 0.0005  | 06/07/22 14:48 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 06/10/22 19:54 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.83     | B    |    | mg/L  | 0.2     | 1       | 06/10/22 19:54 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00038  |      |    | mg/L  | 0.0001  | 0.00025 | 06/07/22 14:48 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.5      |      |    | mg/L  | 0.2     | 1       | 06/10/22 19:54 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:48 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.69     |      |    | mg/L  | 0.2     | 1       | 06/10/22 19:54 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 19:10 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:48 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 06/10/22 19:54 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.123    |      |    | mg/L  | 0.02    | 0.05    | 06/10/22 19:54 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3B

ACZ Sample ID: **L73468-02**

Date Sampled: 05/25/22 13:12

Date Received: 05/26/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 34.5   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 34.5   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 06/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.1    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.1    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <0.5   | U    | *  | mg/L     | 0.5   | 2    | 05/31/22 16:33 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 224    |      |    | umhos/cm | 1     | 10   | 06/01/22 3:40  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 06/06/22 10:23 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.20   | B    | *  | mg/L     | 0.15  | 0.35 | 06/06/22 17:52 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 98     |      |    | mg/L     | 0.2   | 5    | 06/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.555  |      | *  | mg/L     | 0.02  | 0.1  | 06/04/22 22:42 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.7    | H    |    | units    | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.3   |      |    | C        | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 06/04/22 4:05  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 148    |      | *  | mg/L     | 20    | 40   | 05/31/22 15:24 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/01/22 13:54 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 66.9   |      |    | mg/L     | 5     | 25   | 05/29/22 12:53 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 137    |      |    | mg/L     |       |      | 06/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.08   |      |    |          |       |      | 06/15/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3R

ACZ Sample ID: **L73468-03**

Date Sampled: 05/25/22 14:11

Date Received: 05/26/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 06/03/22 12:44 | gkk/bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/03/22 10:58 | wgm/gk<br>k |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 06/10/22 19:57 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00095  | B    |    | mg/L  | 0.0004  | 0.002   | 06/07/22 14:50 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00054  | B    |    | mg/L  | 0.0002  | 0.001   | 06/07/22 14:50 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0398   |      |    | mg/L  | 0.007   | 0.035   | 06/10/22 19:57 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 06/07/22 14:50 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 06/10/22 19:57 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000292 |      |    | mg/L  | 0.00005 | 0.00025 | 06/07/22 14:50 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 36.7     |      |    | mg/L  | 0.1     | 0.5     | 06/10/22 19:57 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 06/07/22 14:50 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/07/22 14:50 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 06/10/22 19:57 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:50 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.08     |      |    | mg/L  | 0.2     | 1       | 06/10/22 19:57 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/10/22 19:57 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/01/22 13:06 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00063  |      |    | mg/L  | 0.0002  | 0.0005  | 06/07/22 14:50 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 06/10/22 19:57 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.60     | B    |    | mg/L  | 0.2     | 1       | 06/10/22 19:57 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00024  | B    |    | mg/L  | 0.0001  | 0.00025 | 06/07/22 14:50 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.1      |      |    | mg/L  | 0.2     | 1       | 06/10/22 19:57 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:50 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 3.30     |      |    | mg/L  | 0.2     | 1       | 06/10/22 19:57 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 19:12 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:50 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 06/10/22 19:57 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.182    |      |    | mg/L  | 0.02    | 0.05    | 06/10/22 19:57 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3R

ACZ Sample ID: **L73468-03**

Date Sampled: 05/25/22 14:11

Date Received: 05/26/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 35.2   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 35.2   |      |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 2.3    |      |    | %        |       |      | 06/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.1    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.2    |      |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 0.73   | B    | *  | mg/L     | 0.5   | 2    | 05/31/22 16:34 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 231    |      |    | umhos/cm | 1     | 10   | 06/01/22 3:48  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 06/06/22 10:25 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.25   | B    | *  | mg/L     | 0.15  | 0.35 | 06/06/22 18:05 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 100    |      |    | mg/L     | 0.2   | 5    | 06/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.756  |      | *  | mg/L     | 0.02  | 0.1  | 06/04/22 22:43 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.7    | H    |    | units    | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.5   |      |    | C        | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 06/04/22 4:07  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 150    |      | *  | mg/L     | 20    | 40   | 05/31/22 15:25 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/01/22 13:59 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 67.0   |      |    | mg/L     | 5     | 25   | 05/29/22 12:55 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 139    |      |    | mg/L     |       |      | 06/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.08   |      |    |          |       |      | 06/15/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-0

ACZ Sample ID: **L73468-04**

Date Sampled: 05/25/22 14:57

Date Received: 05/26/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst     |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|-------------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 06/03/22 12:56 | gkk/bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/03/22 11:09 | wgm/gk<br>k |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 06/10/22 20:00 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | <0.0004  | U    |    | mg/L  | 0.0004  | 0.002   | 06/07/22 14:56 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/07/22 14:56 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | <0.007   | U    |    | mg/L  | 0.007   | 0.035   | 06/10/22 20:00 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 06/07/22 14:56 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 06/10/22 20:00 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 06/07/22 14:56 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 0.19     | B    |    | mg/L  | 0.1     | 0.5     | 06/10/22 20:00 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 06/07/22 14:56 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/07/22 14:56 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 06/10/22 20:00 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00016  | B    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:56 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 06/10/22 20:00 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/10/22 20:00 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/01/22 13:06 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.0005  | 06/07/22 14:56 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 06/10/22 20:00 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 06/10/22 20:00 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.00025 | 06/07/22 14:56 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 06/10/22 20:00 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:56 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 06/10/22 20:00 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 19:17 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/07/22 14:56 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 06/10/22 20:00 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05    | 06/10/22 20:00 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-0

ACZ Sample ID: **L73468-04**

Date Sampled: 05/25/22 14:57

Date Received: 05/26/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 3.3    | B    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 3.3    | B    |    | mg/L     | 2     | 20   | 06/01/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | n/a    |      |    | %        |       |      | 06/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | <      | U    |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | <      | U    |    | meq/L    |       |      | 06/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <0.5   | U    | *  | mg/L     | 0.5   | 2    | 05/31/22 16:35 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 2      | B    |    | umhos/cm | 1     | 10   | 06/01/22 3:54  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 06/06/22 10:26 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    | *  | mg/L     | 0.15  | 0.35 | 06/06/22 18:10 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 0.474  | B    |    | mg/L     | 0.2   | 5    | 06/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | <0.02  | U    | *  | mg/L     | 0.02  | 0.1  | 06/04/22 22:45 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.5    | H    |    | units    | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.7   |      |    | C        | 0.1   | 0.1  | 06/01/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 06/04/22 4:09  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | <20    | U    | *  | mg/L     | 20    | 40   | 05/31/22 15:27 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/01/22 14:02 | anc     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 1        | <1     | U    |    | mg/L     | 1     | 5    | 05/29/22 11:50 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 2.2    |      |    | mg/L     |       |      | 06/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | n/a    |      |    |          |       |      | 06/15/22 0:00  | calc    |




**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L73468**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO<sub>3</sub>**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543272</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG543272PBW1    | PBW  | 05/31/22 18:40 |            |          |        | 6.4   | mg/L  |      | -20   | 20    |     |       |      |
| WG543272LCSW3   | LCSW | 05/31/22 18:56 | WC220513-7 | 820.0001 |        | 777   | mg/L  | 95   | 90    | 110   |     |       |      |
| WG543272LCSW6   | LCSW | 05/31/22 22:14 | WC220513-7 | 820.0001 |        | 780.6 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG543272PBW2    | PBW  | 05/31/22 22:20 |            |          |        | 6.5   | mg/L  |      | -20   | 20    |     |       |      |
| WG543272LCSW9   | LCSW | 06/01/22 1:14  | WC220513-7 | 820.0001 |        | 801.9 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG543272PBW3    | PBW  | 06/01/22 1:19  |            |          |        | 5.4   | mg/L  |      | -20   | 20    |     |       |      |
| L73475-01DUP    | DUP  | 06/01/22 4:10  |            |          | 41     | 41.2  | mg/L  |      |       |       | 0   | 20    |      |
| WG543272LCSW12  | LCSW | 06/01/22 4:29  | WC220513-7 | 820.0001 |        | 801.7 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG543272PBW4    | PBW  | 06/01/22 4:35  |            |          |        | 4.9   | mg/L  |      | -20   | 20    |     |       |      |
| WG543272LCSW15  | LCSW | 06/01/22 7:46  | WC220513-7 | 820.0001 |        | 806.6 | mg/L  | 98   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 2      |        | 1.948 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | 1.0008 |        | 1.079 | mg/L  | 108  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | 1.0008 | U      | 1.091 | mg/L  | 109  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | 1.0008 | U      | 1.093 | mg/L  | 109  | 85    | 115   | 0   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .0201 |        | .02062 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .01   |        | .00899 | mg/L  | 90   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .01   | .0008  | .00887 | mg/L  | 81   | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .01   | .0008  | .00914 | mg/L  | 83   | 70       | 130     | 3   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |        |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05    |        | .05289 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05005 |        | .05029 | mg/L  | 100  | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05005 | .00054 | .05341 | mg/L  | 106  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05005 | .00054 | .05325 | mg/L  | 105  | 70       | 130     | 0   | 20    |      |

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |    |        |        |       |      |        |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 2  |        | 1.9615 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |    |        | U      | mg/L  |      | -0.021 | 0.021 |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | .5 |        | .505   | mg/L  | 101  | 85     | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | .5 | .0727  | .5823  | mg/L  | 102  | 85     | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | .5 | .0727  | .5867  | mg/L  | 103  | 85     | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73468**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG543776</b> |      |                |             |        |        |         |       |      |           |          |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05    |        | .053754 | mg/L  | 108  | 90        | 110      |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05005 |        | .050508 | mg/L  | 101  | 85        | 115      |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05005 | U      | .054    | mg/L  | 108  | 70        | 130      |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05005 | U      | .054161 | mg/L  | 108  | 70        | 130      | 0   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 2     |        | 2.034 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | .5005 |        | .544  | mg/L  | 109  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | .5005 | U      | .555  | mg/L  | 111  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | .5005 | U      | .563  | mg/L  | 112  | 85    | 115   | 1   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |        |         |         |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05    |         | .054317 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05005 |         | .050157 | mg/L  | 100  | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05005 | .000109 | .052104 | mg/L  | 104  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05005 | .000109 | .050884 | mg/L  | 101  | 70       | 130     | 2   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |         |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 100     |        | 99.4  | mg/L  | 99   | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |         |        | .16   | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | 67.9908 |        | 71.38 | mg/L  | 105  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | 67.9908 | 39.7   | 110.7 | mg/L  | 104  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | 67.9908 | 39.7   | 111.3 | mg/L  | 105  | 85    | 115   | 1   | 20    |      |

**Chloride**

SM4500Cl-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543264</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543264ICV     | ICV  | 05/31/22 16:24 | WI220502-12 | 54.945 |        | 55.71 | mg/L  | 101  | 90    | 110   |     |       |      |
| WG543264ICB     | ICB  | 05/31/22 16:25 |             |        |        | U     | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG543264LFB1    | LFB  | 05/31/22 16:25 | WI220328-1  | 29.97  |        | 31.4  | mg/L  | 105  | 90    | 110   |     |       |      |
| L73465-01AS     | AS   | 05/31/22 16:26 | WI220328-1  | 29.97  | 10.2   | 41.4  | mg/L  | 104  | 90    | 110   |     |       |      |
| L73465-03DUP    | DUP  | 05/31/22 16:27 |             |        | 2.2    | 2.16  | mg/L  |      |       |       | 2   | 20    | RA   |
| L73468-02AS     | AS   | 05/31/22 16:34 | WI220328-1  | 29.97  | U      | 31.89 | mg/L  | 106  | 90    | 110   |     |       |      |
| L73468-03DUP    | DUP  | 05/31/22 16:35 |             |        | .73    | .86   | mg/L  |      |       |       | 16  | 20    | RA   |
| WG543264LFB2    | LFB  | 05/31/22 16:40 | WI220328-1  | 29.97  |        | 31.28 | mg/L  | 104  | 90    | 110   |     |       |      |

**OURAYSM**

ACZ Project ID: **L73468**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |         |        |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05 |        | .05318 | mg/L  | 106  | 90      | 110    |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05 |        | .04877 | mg/L  | 98   | 85      | 115    |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05 | U      | .04908 | mg/L  | 98   | 70      | 130    |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05 | U      | .04932 | mg/L  | 99   | 70      | 130    | 0   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG543272</b> |      |                |          |      |        |       |          |      |       |       |     |       |      |
| WG543272LCSW2   | LCSW | 05/31/22 18:46 | PCN65454 | 1409 |        | 1458  | umhos/cm | 103  | 90    | 110   |     |       |      |
| WG543272LCSW5   | LCSW | 05/31/22 22:03 | PCN65454 | 1409 |        | 1448  | umhos/cm | 103  | 90    | 110   |     |       |      |
| WG543272LCSW8   | LCSW | 06/01/22 1:01  | PCN65454 | 1409 |        | 1448  | umhos/cm | 103  | 90    | 110   |     |       |      |
| L73475-01DUP    | DUP  | 06/01/22 4:10  |          |      | 141    | 141   | umhos/cm |      |       |       | 0   | 20    |      |
| WG543272LCSW11  | LCSW | 06/01/22 4:16  | PCN65454 | 1409 |        | 1439  | umhos/cm | 102  | 90    | 110   |     |       |      |
| WG543272LCSW14  | LCSW | 06/01/22 7:35  | PCN65454 | 1409 |        | 1431  | umhos/cm | 102  | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05 |        | .05366 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05 |        | .04729 | mg/L  | 95   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05 | U      | .04754 | mg/L  | 95   | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05 | U      | .04772 | mg/L  | 95   | 70       | 130     | 0   | 20    |      |

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG543637</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG543637ICV     | ICV  | 06/06/22 10:06 | WI220527-3 | .3003 |        | .2965 | mg/L  | 99   | 90     | 110   |     |       |      |
| WG543637ICB     | ICB  | 06/06/22 10:07 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543521LRB     | LRB  | 06/06/22 10:08 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG543521LFB     | LFB  | 06/06/22 10:09 | WI220527-5 | .2    |        | .1992 | mg/L  | 100  | 90     | 110   |     |       |      |
| L73468-01DUP    | DUP  | 06/06/22 10:22 |            |       | U      | .0072 | mg/L  |      |        |       | 200 | 20    | RA   |
| L73468-02LFM    | LFM  | 06/06/22 10:24 | WI220527-5 | .2    | U      | .1978 | mg/L  | 99   | 90     | 110   |     |       |      |

**OURAYS**

ACZ Project ID: **L73468**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543642</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543642ICV     | ICV  | 06/06/22 10:23 | WC220602-7 | 2.008 |        | 2.06  | mg/L  | 103  | 90    | 110   |     |       |      |
| WG543642ICB     | ICB  | 06/06/22 10:28 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| <b>WG543670</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543670ICV     | ICV  | 06/06/22 16:24 | WC220602-7 | 2.008 |        | 2.14  | mg/L  | 107  | 90    | 110   |     |       |      |
| WG543670ICB     | ICB  | 06/06/22 16:31 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG543670LFB1    | LFB  | 06/06/22 16:39 | WC220104-2 | 5.02  |        | 5     | mg/L  | 100  | 90    | 110   |     |       |      |
| L73465-01AS     | AS   | 06/06/22 16:47 | WC220606-1 | 5.02  | .45    | 4.84  | mg/L  | 87   | 90    | 110   |     |       | M2   |
| L73465-01ASD    | ASD  | 06/06/22 16:51 | WC220606-1 | 5.02  | .45    | 4.87  | mg/L  | 88   | 90    | 110   | 1   | 20    | M2   |
| L73468-02AS     | AS   | 06/06/22 17:56 | WC220606-1 | 5.02  | .2     | 4.63  | mg/L  | 88   | 90    | 110   |     |       | M2   |
| L73468-02ASD    | ASD  | 06/06/22 18:01 | WC220606-1 | 5.02  | .2     | 4.67  | mg/L  | 89   | 90    | 110   | 1   | 20    | M2   |
| WG543670LFB3    | LFB  | 06/06/22 19:04 | WC220606-1 | 5.02  |        | 4.69  | mg/L  | 93   | 90    | 110   |     |       |      |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 2      |        | 1.996 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | 1.0013 |        | 1.06  | mg/L  | 106  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | 1.0013 | U      | 1.045 | mg/L  | 104  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | 1.0013 | U      | 1.059 | mg/L  | 106  | 85    | 115   | 1   | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05   |        | .0543  | mg/L  | 109  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .0501 |        | .04987 | mg/L  | 100  | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .0501 | .00017 | .05159 | mg/L  | 103  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .0501 | .00017 | .05005 | mg/L  | 100  | 70       | 130     | 3   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 100      |        | 95.88 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | 49.99922 |        | 50.15 | mg/L  | 100  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | 49.99922 | 3.18   | 54.76 | mg/L  | 103  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | 49.99922 | 3.18   | 54.89 | mg/L  | 103  | 85    | 115   | 0   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 2    |        | 1.969 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | .499 |        | .529  | mg/L  | 106  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | .499 | U      | .529  | mg/L  | 106  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | .499 | U      | .534  | mg/L  | 107  | 85    | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73468**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543277</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG543277ICV     | ICV  | 06/01/22 11:11 | HG220523-3 | .005005 |        | .00508 | mg/L  | 101  | 95       | 105     |     |       |      |
| WG543277ICB     | ICB  | 06/01/22 11:12 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG543279</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG543279LRB     | LRB  | 06/01/22 12:42 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543279LFB     | LFB  | 06/01/22 12:43 | HG220523-6 | .002002 |        | .00208 | mg/L  | 104  | 85       | 115     |     |       |      |
| L73467-04LFM    | LFM  | 06/01/22 13:00 | HG220523-6 | .002002 | U      | .00206 | mg/L  | 103  | 85       | 115     |     |       |      |
| L73467-04LFMD   | LFMD | 06/01/22 13:01 | HG220523-6 | .002002 | U      | .0021  | mg/L  | 105  | 85       | 115     | 2   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |        |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .02    |        | .02077 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05005 |        | .0492  | mg/L  | 98   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05005 | .00106 | .05044 | mg/L  | 99   | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05005 | .00106 | .05083 | mg/L  | 99   | 70       | 130     | 1   | 20    |      |

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |       |        |        |       |      |        |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 2     |        | 1.9688 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |       |        | U      | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | .5005 |        | .5206  | mg/L  | 104  | 85     | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | .5005 | U      | .5212  | mg/L  | 104  | 85     | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | .5005 | U      | .5261  | mg/L  | 105  | 85     | 115   | 1   | 20    |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543609</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543609ICV     | ICV  | 06/04/22 21:17 | WI220602-3  | 2.4161 |        | 2.305 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG543609ICB     | ICB  | 06/04/22 21:19 |             |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG543610</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543610LFB     | LFB  | 06/04/22 22:02 | WI220401-10 | 2      |        | 2.027 | mg/L  | 101  | 90    | 110   |     |       |      |
| L73321-04AS     | AS   | 06/04/22 22:28 | WI220401-10 | 2      | U      | 2.005 | mg/L  | 100  | 90    | 110   |     |       |      |
| L73321-05DUP    | DUP  | 06/04/22 22:30 |             |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543272</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG543272LCSW1   | LCSW | 05/31/22 18:44 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543272LCSW4   | LCSW | 05/31/22 22:01 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543272LCSW7   | LCSW | 06/01/22 1:00  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L73475-01DUP    | DUP  | 06/01/22 4:10  |          |    | 8.1    | 8.1   | units |      |       |       | 0   | 20    |      |
| WG543272LCSW10  | LCSW | 06/01/22 4:14  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG543272LCSW13  | LCSW | 06/01/22 7:33  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |

**OURAYSM**

ACZ Project ID: **L73468**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Phosphorus, total** M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543591</b> |      |               |            |        |        |       |       |      |       |       |     |       |      |
| WG543591ICV     | ICV  | 06/04/22 1:42 | WI220502-6 | .65228 |        | .647  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG543591ICB     | ICB  | 06/04/22 1:44 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| <b>WG543596</b> |      |               |            |        |        |       |       |      |       |       |     |       |      |
| WG543518LRB     | LRB  | 06/04/22 3:38 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG543518LFB     | LFB  | 06/04/22 3:39 | WI220601-7 | .5     |        | .482  | mg/L  | 96   | 90    | 110   |     |       |      |
| L73468-01LFM    | LFM  | 06/04/22 4:01 | WI220601-7 | .5     | U      | .488  | mg/L  | 98   | 90    | 110   |     |       |      |
| L73468-02DUP    | DUP  | 06/04/22 4:06 |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L73468-03LFM    | LFM  | 06/04/22 4:08 | WI220601-7 | .5     | U      | .48   | mg/L  | 96   | 90    | 110   |     |       |      |
| L73468-04DUP    | DUP  | 06/04/22 4:10 |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**Potassium, dissolved** M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 20       |        | 19.88 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | 99.96218 |        | 103.3 | mg/L  | 103  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | 99.96218 | .67    | 106.8 | mg/L  | 106  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | 99.96218 | .67    | 107   | mg/L  | 106  | 85    | 115   | 0   | 20    |      |

**Residue, Filterable (TDS) @180C** SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543258</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG543258PBW     | PBW  | 05/31/22 14:45 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG543258LCSW    | LCSW | 05/31/22 14:46 | PCN63843 | 1000 |        | 1010  | mg/L  | 101  | 80    | 120   |     |       |      |
| L73468-04DUP    | DUP  | 05/31/22 15:29 |          |      | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Residue, Non-Filterable (TSS) @105C** SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543353</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG543353PBW     | PBW  | 06/01/22 13:02 |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG543353LCSW    | LCSW | 06/01/22 13:04 | PCN63843 | 100 |        | 107   | mg/L  | 107  | 80    | 120   |     |       |      |
| L73468-02DUP    | DUP  | 06/01/22 13:56 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Selenium, dissolved** M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05 |        | .05318 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05 |        | .05045 | mg/L  | 101  | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05 | .00026 | .05577 | mg/L  | 111  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05 | .00026 | .05444 | mg/L  | 108  | 70       | 130     | 2   | 20    |      |



**OURAYSM**

ACZ Project ID: **L73468**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Silica, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 42.8   |        | 43.45 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | 21.404 |        | 22.49 | mg/L  | 105  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | 21.404 | 5.5    | 28.46 | mg/L  | 107  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | 21.404 | 5.5    | 28.76 | mg/L  | 109  | 85    | 115   | 1   | 20    |      |

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .02 |        | .02167 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .01 |        | .0094  | mg/L  | 94   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .01 | U      | .00955 | mg/L  | 96   | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .01 | U      | .00942 | mg/L  | 94   | 70       | 130     | 1   | 20    |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 100      |        | 98.85 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | 100.0282 |        | 102.4 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | 100.0282 | 2.43   | 106.8 | mg/L  | 104  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | 100.0282 | 2.43   | 107.5 | mg/L  | 105  | 85    | 115   | 1   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543192</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543192ICB     | ICB  | 05/29/22 11:40 |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG543192ICV     | ICV  | 05/29/22 11:40 | WI220517-1 | 20.46 |        | 19.6  | mg/L  | 96   | 90    | 110   |     |       |      |
| WG543192LFB     | LFB  | 05/29/22 11:48 | WI220415-3 | 9.95  |        | 10.1  | mg/L  | 102  | 90    | 110   |     |       |      |
| L73468-01DUP    | DUP  | 05/29/22 12:53 |            |       | 79.2   | 78.6  | mg/L  |      |       |       | 1   | 20    |      |
| L73468-02AS     | AS   | 05/29/22 12:53 | SO4TURB5X  | 10    | 66.9   | 76.4  | mg/L  | 95   | 90    | 110   |     |       |      |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544036</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG544036ICV     | ICV  | 06/09/22 18:51 | MS220502-1  | .05 |        | .053   | mg/L  | 106  | 90       | 110     |     |       |      |
| WG544036ICB     | ICB  | 06/09/22 18:53 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG544036LFB     | LFB  | 06/09/22 18:55 | MS220601-10 | .05 |        | .05078 | mg/L  | 102  | 85       | 115     |     |       |      |
| L73467-04AS     | AS   | 06/09/22 19:04 | MS220601-10 | .05 | U      | .0501  | mg/L  | 100  | 70       | 130     |     |       |      |
| L73467-04ASD    | ASD  | 06/09/22 19:06 | MS220601-10 | .05 | U      | .04925 | mg/L  | 99   | 70       | 130     | 2   | 20    |      |



**OURAYSM**

ACZ Project ID: **L73468**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543776</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543776ICV     | ICV  | 06/07/22 14:16 | MS220502-1  | .05 |        | .05515 | mg/L  | 110  | 90       | 110     |     |       |      |
| WG543776ICB     | ICB  | 06/07/22 14:18 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543776LFB     | LFB  | 06/07/22 14:33 | MS220601-10 | .05 |        | .04946 | mg/L  | 99   | 85       | 115     |     |       |      |
| L73467-03AS     | AS   | 06/07/22 14:40 | MS220601-10 | .05 | U      | .05102 | mg/L  | 102  | 70       | 130     |     |       |      |
| L73467-03ASD    | ASD  | 06/07/22 14:42 | MS220601-10 | .05 | U      | .05007 | mg/L  | 100  | 70       | 130     | 2   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 2     |        | 2.007 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | .5005 |        | .5298 | mg/L  | 106  | 85     | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | .5005 | U      | .5379 | mg/L  | 107  | 85     | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | .5005 | U      | .544  | mg/L  | 109  | 85     | 115   | 1   | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544126</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544126ICV     | ICV  | 06/10/22 18:16 | II220609-1 | 2      |        | 1.939 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG544126ICB     | ICB  | 06/10/22 18:22 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG544126LFB     | LFB  | 06/10/22 18:34 | II220602-7 | .50045 |        | .532  | mg/L  | 106  | 85    | 115   |     |       |      |
| L73468-01AS     | AS   | 06/10/22 19:48 | II220602-7 | .50045 | .347   | .854  | mg/L  | 101  | 85    | 115   |     |       |      |
| L73468-01ASD    | ASD  | 06/10/22 19:51 | II220602-7 | .50045 | .347   | .864  | mg/L  | 103  | 85    | 115   | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L73468**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L73468-01</b> | WG543264 | Chloride                            | SM4500CI-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543637 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543670 | Fluoride                            | SM4500F-C                             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG543610 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543596 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543258 | Residue, Filterable (TDS) @180C     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543353 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L73468-02</b> | WG543264 | Chloride                            | SM4500CI-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543637 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543670 | Fluoride                            | SM4500F-C                             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG543610 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543596 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543258 | Residue, Filterable (TDS) @180C     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543353 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L73468-03</b> | WG543264 | Chloride                            | SM4500CI-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543637 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543670 | Fluoride                            | SM4500F-C                             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG543610 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543596 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543258 | Residue, Filterable (TDS) @180C     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG543353 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L73468**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L73468-04 | WG543264 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG543637 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG543670 | Fluoride                            | SM4500F-C                             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|           | WG543610 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG543596 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           | WG543258 | Residue, Filterable (TDS) @180C     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540C                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|           | WG543353 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|           |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L73468**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L73468

Date Received: 05/26/2022 10:22

Received By:

Date Printed: 5/27/2022

**Receipt Verification**

|                                                                                             | YES | NO | NA |
|---------------------------------------------------------------------------------------------|-----|----|----|
| 1) Is a foreign soil permit included for applicable samples?                                |     |    | X  |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | X   |    |    |
| 3) Does this project require special handling procedures such as CLP protocol?              |     | X  |    |
| 4) Are any samples NRC licensable material?                                                 |     |    | X  |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | X   |    |    |
| 6) Is the Chain of Custody form complete and accurate?                                      | X   |    |    |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | X   |    |    |
| A change was made in the # of Containers Line 1 section prior to ACZ custody.               |     |    |    |
| A change was made in the # of Containers Line 1 section prior to ACZ custody.               |     |    |    |
| A change was made in the # of Containers Line 1 section prior to ACZ custody.               |     |    |    |
| A change was made in the # of Containers Line 1 section prior to ACZ custody.               |     |    |    |
| A change was made in the # of Containers Line 1 section prior to ACZ custody.               |     |    |    |

**Samples/Containers**

|                                                                                         | YES | NO | NA |
|-----------------------------------------------------------------------------------------|-----|----|----|
| 8) Are all containers intact and with no leaks?                                         | X   |    |    |
| 9) Are all labels on containers and are they intact and legible?                        | X   |    |    |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | X   |    |    |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | X   |    |    |
| 12) Is there sufficient sample volume to perform all requested work?                    | X   |    |    |
| 13) Is the custody seal intact on all containers?                                       |     |    | X  |
| 14) Are samples that require zero headspace acceptable?                                 |     |    | X  |
| 15) Are all sample containers appropriate for analytical requirements?                  | X   |    |    |
| 16) Is there an Hg-1631 trip blank present?                                             |     |    | X  |
| 17) Is there a VOA trip blank present?                                                  |     |    | X  |
| 18) Were all samples received within hold time?                                         | X   |    |    |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

Ouray Silver Mines

ACZ Project ID: L73468

Date Received: 05/26/2022 10:22

Received By:

Date Printed: 5/27/2022

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 7028      | 4.6       | <=6.0                 | 15          | Yes                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



September 20, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L75617

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 24, 2022. This project has been assigned to ACZ's project number, L75617. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L75617. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after October 20, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

*Mark McNeal*

Mark McNeal has reviewed  
and approved this report.





Ouray Silver Mines

September 20, 2022

Project ID:

ACZ Project ID: L75617

**Sample Receipt**

ACZ Laboratories, Inc. (ACZ) received 7 groundwater samples from Ouray Silver Mines on August 24, 2022. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L75617. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

**Holding Times**

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

**Sample Analysis**

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. Qualifier: H1 Applies to: L75617-01/ALKALINITY

L75617-02/ALKALINITY

L75617-03/ALKALINITY

L75617-04/ALKALINITY

L75617-05/ALKALINITY

L75617-06/ALKALINITY

L75617-07/ALKALINITY

Sample prep or analysis performed past holding time. Samples run on autotitrator at hold, but run went overnight. Samples run past hold.

2. Qualifier: H1 Applies to: L75617-01/TOTAL DISSOLVED SOLIDS

L75617-02/TOTAL DISSOLVED SOLIDS

L75617-03/TOTAL DISSOLVED SOLIDS

L75617-04/TOTAL DISSOLVED SOLIDS

L75617-05/TOTAL DISSOLVED SOLIDS

L75617-06/TOTAL DISSOLVED SOLIDS

L75617-07/TOTAL DISSOLVED SOLIDS

Sample prep or analysis performed past holding time. Sample was received within hold time, login date was past hold. Analysis was performed as soon as possible.

3. Qualifier: H1 Applies to: L75617-01/TOTAL SUSPENDED SOLIDS

L75617-02/TOTAL SUSPENDED SOLIDS

L75617-03/TOTAL SUSPENDED SOLIDS

L75617-04/TOTAL SUSPENDED SOLIDS

L75617-05/TOTAL SUSPENDED SOLIDS

L75617-06/TOTAL SUSPENDED SOLIDS

L75617-07/TOTAL SUSPENDED SOLIDS

Sample reviewed withing hold, logged in for analysis past hold. Ran as soon as possible.

**Ouray Silver Mines**

Project ID:

Sample ID: GW-1B

ACZ Sample ID: **L75617-01**

Date Sampled: 08/23/22 08:19

Date Received: 08/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/07/22 10:41 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/07/22 13:54 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 09/12/22 19:24 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00098  | B    |    | mg/L  | 0.0004  | 0.002   | 09/07/22 22:51 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00056  | B    |    | mg/L  | 0.0002  | 0.001   | 09/07/22 22:51 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0480   |      |    | mg/L  | 0.009   | 0.035   | 09/12/22 19:24 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/08/22 16:01 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 09/12/22 19:24 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000117 | B    |    | mg/L  | 0.00005 | 0.00025 | 09/07/22 22:51 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 28.7     |      |    | mg/L  | 0.1     | 0.5     | 09/12/22 19:24 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/07/22 22:51 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/07/22 22:51 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 09/12/22 19:24 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00021  | B    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:51 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.35     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:24 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 09/12/22 19:24 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/08/22 14:46 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00096  |      |    | mg/L  | 0.0002  | 0.0005  | 09/07/22 22:51 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 09/12/22 19:24 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.74     | B    |    | mg/L  | 0.2     | 1       | 09/12/22 19:24 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.00025 | 09/07/22 22:51 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.2      |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:24 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:51 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.36     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:24 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:51 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:51 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 09/12/22 19:24 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.054    |      |    | mg/L  | 0.02    | 0.05    | 09/12/22 19:24 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-1B

ACZ Sample ID: **L75617-01**

Date Sampled: 08/23/22 08:19

Date Received: 08/24/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 47.1   | H    |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 47.1   | H    | *  | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 2.9    |      |    | %        |       |      | 09/20/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 1.7    |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 1.8    |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.07   | B    | *  | mg/L     | 1     | 2    | 09/08/22 10:46 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 178    |      |    | umhos/cm | 1     | 10   | 09/15/22 19:14 | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/08/22 15:02 | gkk     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    |    | mg/L     | 0.15  | 0.35 | 09/07/22 18:41 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 81     |      |    | mg/L     | 0.2   | 5    | 09/20/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.136  |      |    | mg/L     | 0.02  | 0.1  | 09/08/22 3:02  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.8    | H    |    | units    | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 20.6   |      |    | C        | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/13/22 16:17 | gkk     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 108    | H    | *  | mg/L     | 20    | 40   | 09/08/22 15:36 | mrh     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/09/22 16:40 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 36.8   |      | *  | mg/L     | 5     | 25   | 09/07/22 13:38 | bls     |
| TDS (calculated)                          | Calculation                           |          | 107    |      |    | mg/L     |       |      | 09/20/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.01   |      |    |          |       |      | 09/20/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2A

ACZ Sample ID: **L75617-02**

Date Sampled: 08/23/22 09:24

Date Received: 08/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/07/22 10:49 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/07/22 14:07 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 09/12/22 19:27 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00096  | B    |    | mg/L  | 0.0004  | 0.002   | 09/07/22 22:53 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00022  | B    |    | mg/L  | 0.0002  | 0.001   | 09/07/22 22:53 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0511   |      |    | mg/L  | 0.009   | 0.035   | 09/12/22 19:27 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/08/22 16:03 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 09/12/22 19:27 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000632 |      |    | mg/L  | 0.00005 | 0.00025 | 09/07/22 22:53 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 33.1     |      |    | mg/L  | 0.1     | 0.5     | 09/12/22 19:27 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/07/22 22:53 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/07/22 22:53 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 09/12/22 19:27 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00035  | B    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:53 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.45     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:27 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 09/12/22 19:27 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/08/22 14:50 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00092  |      |    | mg/L  | 0.0002  | 0.0005  | 09/07/22 22:53 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 09/12/22 19:27 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.78     | B    |    | mg/L  | 0.2     | 1       | 09/12/22 19:27 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00014  | B    |    | mg/L  | 0.0001  | 0.00025 | 09/07/22 22:53 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.3      |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:27 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:53 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.48     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:27 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:53 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:53 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 09/12/22 19:27 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.485    |      |    | mg/L  | 0.02    | 0.05    | 09/12/22 19:27 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2A

ACZ Sample ID: **L75617-02**

Date Sampled: 08/23/22 09:24

Date Received: 08/24/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 33.2   | H    |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 33.2   | H    | *  | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 09/20/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2      |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.0    |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.19   | B    | *  | mg/L     | 1     | 2    | 09/08/22 10:47 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 212    |      |    | umhos/cm | 1     | 10   | 09/15/22 19:16 | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/08/22 15:03 | gkk     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.19   | B    |    | mg/L     | 0.15  | 0.35 | 09/07/22 18:49 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 93     |      |    | mg/L     | 0.2   | 5    | 09/20/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.929  |      |    | mg/L     | 0.02  | 0.1  | 09/08/22 3:03  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.6    | H    |    | units    | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 20.5   |      |    | C        | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/13/22 16:18 | gkk     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 128    | H    | *  | mg/L     | 20    | 40   | 09/08/22 15:39 | mrh     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/09/22 16:43 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 61.0   |      | *  | mg/L     | 5     | 25   | 09/07/22 13:38 | bls     |
| TDS (calculated)                          | Calculation                           |          | 129    |      |    | mg/L     |       |      | 09/20/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 0.99   |      |    |          |       |      | 09/20/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2B

ACZ Sample ID: **L75617-03**

Date Sampled: 08/23/22 09:57

Date Received: 08/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/07/22 10:58 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/07/22 14:19 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 09/12/22 19:30 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00075  | B    |    | mg/L  | 0.0004  | 0.002   | 09/07/22 22:54 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00024  | B    |    | mg/L  | 0.0002  | 0.001   | 09/07/22 22:54 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0555   |      |    | mg/L  | 0.009   | 0.035   | 09/12/22 19:30 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/08/22 16:05 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 09/12/22 19:30 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000224 | B    |    | mg/L  | 0.00005 | 0.00025 | 09/07/22 22:54 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 30.4     |      |    | mg/L  | 0.1     | 0.5     | 09/12/22 19:30 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/07/22 22:54 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/07/22 22:54 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 09/12/22 19:30 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:54 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.37     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:30 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 09/12/22 19:30 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/08/22 14:51 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00090  |      |    | mg/L  | 0.0002  | 0.0005  | 09/07/22 22:54 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 09/12/22 19:30 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.74     | B    |    | mg/L  | 0.2     | 1       | 09/12/22 19:30 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00012  | B    |    | mg/L  | 0.0001  | 0.00025 | 09/07/22 22:54 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.5      |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:30 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:54 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.24     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:30 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:54 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:54 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 09/12/22 19:30 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.266    |      |    | mg/L  | 0.02    | 0.05    | 09/12/22 19:30 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2B

ACZ Sample ID: **L75617-03**

Date Sampled: 08/23/22 09:57

Date Received: 08/24/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 32.5   | H    |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 32.5   | H    | *  | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 09/20/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 1.8    |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 1.8    |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.19   | B    | *  | mg/L     | 1     | 2    | 09/08/22 10:48 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 196    |      |    | umhos/cm | 1     | 10   | 09/15/22 19:17 | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/08/22 15:04 | gkk     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.19   | B    |    | mg/L     | 0.15  | 0.35 | 09/07/22 18:57 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 86     |      |    | mg/L     | 0.2   | 5    | 09/20/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.540  |      |    | mg/L     | 0.02  | 0.1  | 09/08/22 3:09  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.6    | H    |    | units    | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 20.7   |      |    | C        | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/13/22 16:19 | gkk     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 122    | H    | *  | mg/L     | 20    | 40   | 09/08/22 15:41 | mrh     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/09/22 16:45 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 52.9   |      | *  | mg/L     | 5     | 25   | 09/07/22 13:42 | bls     |
| TDS (calculated)                          | Calculation                           |          | 117    |      |    | mg/L     |       |      | 09/20/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.04   |      |    |          |       |      | 09/20/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3B

ACZ Sample ID: **L75617-04**

Date Sampled: 08/23/22 10:47

Date Received: 08/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/07/22 11:16 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/07/22 14:32 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 09/12/22 19:34 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00076  | B    |    | mg/L  | 0.0004  | 0.002   | 09/07/22 22:56 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/07/22 22:56 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0465   |      |    | mg/L  | 0.009   | 0.035   | 09/12/22 19:34 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/08/22 16:07 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 09/12/22 19:34 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000053 | B    |    | mg/L  | 0.00005 | 0.00025 | 09/07/22 22:56 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 31.7     |      |    | mg/L  | 0.1     | 0.5     | 09/12/22 19:34 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/07/22 22:56 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/07/22 22:56 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 09/12/22 19:34 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00015  | B    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:56 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.08     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:34 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 09/12/22 19:34 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/08/22 14:52 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00068  |      |    | mg/L  | 0.0002  | 0.0005  | 09/07/22 22:56 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 09/12/22 19:34 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.73     | B    |    | mg/L  | 0.2     | 1       | 09/12/22 19:34 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00010  | B    |    | mg/L  | 0.0001  | 0.00025 | 09/07/22 22:56 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.1      |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:34 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:56 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.46     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:34 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:56 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:56 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 09/12/22 19:34 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.101    |      |    | mg/L  | 0.02    | 0.05    | 09/12/22 19:34 | aeH     |



**Ouray Silver Mines**

Project ID:

Sample ID: GW-3B

ACZ Sample ID: **L75617-04**

Date Sampled: 08/23/22 10:47

Date Received: 08/24/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 30.7   | H    |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 30.7   | H    | *  | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 09/20/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 1.9    |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 1.9    |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.25   | B    | *  | mg/L     | 1     | 2    | 09/08/22 10:49 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 201    |      |    | umhos/cm | 1     | 10   | 09/15/22 19:19 | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/08/22 15:09 | gkk     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.16   | B    |    | mg/L     | 0.15  | 0.35 | 09/07/22 19:05 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 88     |      |    | mg/L     | 0.2   | 5    | 09/20/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.355  |      |    | mg/L     | 0.02  | 0.1  | 09/08/22 3:10  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.6    | H    |    | units    | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 20.7   |      |    | C        | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/13/22 16:20 | gkk     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 124    | H    | *  | mg/L     | 20    | 40   | 09/08/22 15:44 | mrh     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/09/22 16:48 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 57.2   |      | *  | mg/L     | 5     | 25   | 09/07/22 13:42 | bls     |
| TDS (calculated)                          | Calculation                           |          | 121    |      |    | mg/L     |       |      | 09/20/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.02   |      |    |          |       |      | 09/20/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3R

ACZ Sample ID: **L75617-05**

Date Sampled: 08/23/22 11:39

Date Received: 08/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/07/22 11:33 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/07/22 14:56 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 09/12/22 19:49 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00105  | B    |    | mg/L  | 0.0004  | 0.002   | 09/07/22 22:58 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00048  | B    |    | mg/L  | 0.0002  | 0.001   | 09/07/22 22:58 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0319   | B    |    | mg/L  | 0.009   | 0.035   | 09/12/22 19:49 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/08/22 16:08 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 09/12/22 19:49 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000232 | B    |    | mg/L  | 0.00005 | 0.00025 | 09/07/22 22:58 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 33.0     |      |    | mg/L  | 0.1     | 0.5     | 09/12/22 19:49 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/07/22 22:58 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/07/22 22:58 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 09/12/22 19:49 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:58 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 1.80     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:49 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 09/12/22 19:49 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/08/22 14:53 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00081  |      |    | mg/L  | 0.0002  | 0.0005  | 09/07/22 22:58 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 09/12/22 19:49 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.65     | B    |    | mg/L  | 0.2     | 1       | 09/12/22 19:49 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.00025 | 09/07/22 22:58 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.6      |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:49 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:58 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.88     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:49 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:58 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 22:58 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 09/12/22 19:49 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.134    |      |    | mg/L  | 0.02    | 0.05    | 09/12/22 19:49 | aeH     |

### Ouray Silver Mines

Project ID:

Sample ID: GW-3R

ACZ Sample ID: **L75617-05**

Date Sampled: 08/23/22 11:39

Date Received: 08/24/22

Sample Matrix: Groundwater

#### Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 31.7   | H    |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 31.7   | H    | *  | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 09/20/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2      |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2      |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.39   | B    | *  | mg/L     | 1     | 2    | 09/08/22 10:50 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 208    |      |    | umhos/cm | 1     | 10   | 09/15/22 19:21 | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/08/22 15:11 | gkk     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    |    | mg/L     | 0.15  | 0.35 | 09/07/22 19:13 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 90     |      |    | mg/L     | 0.2   | 5    | 09/20/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.634  |      |    | mg/L     | 0.02  | 0.1  | 09/08/22 3:11  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.6    | H    |    | units    | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 20.6   |      |    | C        | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/13/22 16:22 | gkk     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 126    | H    | *  | mg/L     | 20    | 40   | 09/08/22 15:47 | mrh     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/09/22 16:50 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 61.0   |      | *  | mg/L     | 5     | 25   | 09/07/22 13:44 | bls     |
| TDS (calculated)                          | Calculation                           |          | 126    |      |    | mg/L     |       |      | 09/20/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.00   |      |    |          |       |      | 09/20/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-0

ACZ Sample ID: **L75617-06**

Date Sampled: 08/23/22 12:19

Date Received: 08/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/07/22 11:42 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/07/22 15:09 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 09/12/22 19:52 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | <0.0004  | U    |    | mg/L  | 0.0004  | 0.002   | 09/07/22 23:00 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/07/22 23:00 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | <0.009   | U    |    | mg/L  | 0.009   | 0.035   | 09/12/22 19:52 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/08/22 16:10 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 09/12/22 19:52 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 09/07/22 23:00 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 0.34     | B    |    | mg/L  | 0.1     | 0.5     | 09/12/22 19:52 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/07/22 23:00 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/07/22 23:00 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 09/12/22 19:52 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 23:00 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 09/12/22 19:52 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 09/12/22 19:52 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/08/22 15:28 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.0005  | 09/07/22 23:00 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 09/12/22 19:52 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 09/12/22 19:52 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.00025 | 09/07/22 23:00 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 2.1      |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:52 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 23:00 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 0.40     | B    |    | mg/L  | 0.2     | 1       | 09/12/22 19:52 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 23:00 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 23:00 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 09/12/22 19:52 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05    | 09/12/22 19:52 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-0

ACZ Sample ID: **L75617-06**

Date Sampled: 08/23/22 12:19

Date Received: 08/24/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 4.7    | BH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 4.7    | BH   | *  | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | n/a    |      |    | %        |       |      | 09/20/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 0.129  | B    |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | <      | U    |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.26   | B    | *  | mg/L     | 1     | 2    | 09/08/22 10:50 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 5      | B    |    | umhos/cm | 1     | 10   | 09/15/22 19:22 | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/08/22 15:12 | gkk     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    |    | mg/L     | 0.15  | 0.35 | 09/07/22 19:19 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 0.849  | B    |    | mg/L     | 0.2   | 5    | 09/20/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.057  | B    |    | mg/L     | 0.02  | 0.1  | 09/08/22 3:12  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.4    | H    |    | units    | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 20.7   |      |    | C        | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/13/22 16:23 | gkk     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | <20    | UH   | *  | mg/L     | 20    | 40   | 09/08/22 15:49 | mrh     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/09/22 16:53 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 1        | <1     | U    | *  | mg/L     | 1     | 5    | 09/07/22 13:34 | bls     |
| TDS (calculated)                          | Calculation                           |          | 7.53   |      |    | mg/L     |       |      | 09/20/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | n/a    |      |    |          |       |      | 09/20/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-99

ACZ Sample ID: **L75617-07**

Date Sampled: 08/23/22 10:03

Date Received: 08/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/07/22 11:51 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/07/22 15:21 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 09/12/22 19:55 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00075  | B    |    | mg/L  | 0.0004  | 0.002   | 09/07/22 23:02 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00023  | B    |    | mg/L  | 0.0002  | 0.001   | 09/07/22 23:02 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0554   |      |    | mg/L  | 0.009   | 0.035   | 09/12/22 19:55 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/08/22 16:12 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 09/12/22 19:55 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000211 | B    |    | mg/L  | 0.00005 | 0.00025 | 09/07/22 23:02 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 30.5     |      |    | mg/L  | 0.1     | 0.5     | 09/12/22 19:55 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/07/22 23:02 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/07/22 23:02 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 09/12/22 19:55 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 23:02 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.35     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:55 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 09/12/22 19:55 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/08/22 15:29 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00095  |      |    | mg/L  | 0.0002  | 0.0005  | 09/07/22 23:02 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 09/12/22 19:55 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.71     | B    |    | mg/L  | 0.2     | 1       | 09/12/22 19:55 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00010  | B    |    | mg/L  | 0.0001  | 0.00025 | 09/07/22 23:02 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.4      |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:55 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 23:02 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.17     |      |    | mg/L  | 0.2     | 1       | 09/12/22 19:55 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 23:02 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/07/22 23:02 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 09/12/22 19:55 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.254    |      |    | mg/L  | 0.02    | 0.05    | 09/12/22 19:55 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-99

ACZ Sample ID: **L75617-07**

Date Sampled: 08/23/22 10:03

Date Received: 08/24/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 31.5   | H    |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   |    | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 31.5   | H    | *  | mg/L     | 2     | 20   | 09/07/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 09/20/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 1.8    |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 1.8    |      |    | meq/L    |       |      | 09/20/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.36   | B    | *  | mg/L     | 1     | 2    | 09/08/22 10:51 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 195    |      |    | umhos/cm | 1     | 10   | 09/15/22 19:24 | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/08/22 15:13 | gkk     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.18   | B    |    | mg/L     | 0.15  | 0.35 | 09/07/22 19:27 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 86     |      |    | mg/L     | 0.2   | 5    | 09/20/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.536  |      |    | mg/L     | 0.02  | 0.1  | 09/08/22 3:14  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.5    | H    |    | units    | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 20.9   |      |    | C        | 0.1   | 0.1  | 09/07/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/13/22 16:24 | gkk     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 116    | H    | *  | mg/L     | 20    | 40   | 09/08/22 15:52 | mrh     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/09/22 16:56 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 53.0   |      | *  | mg/L     | 5     | 25   | 09/07/22 13:44 | bls     |
| TDS (calculated)                          | Calculation                           |          | 117    |      |    | mg/L     |       |      | 09/20/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 0.99   |      |    |          |       |      | 09/20/22 0:00  | calc    |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>



**OURAYSM**

ACZ Project ID: **L75617**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO<sub>3</sub>**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual     |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|----------|
| <b>WG549911</b> |      |                |            |          |        |       |       |      |       |       |     |       |          |
| WG549911PBW1    | PBW  | 09/06/22 20:23 |            |          |        | 16    | mg/L  |      | -20   | 20    |     |       |          |
| WG549911LCSW3   | LCSW | 09/06/22 20:41 | WC220901-7 | 820.0001 |        | 761   | mg/L  | 93   | 90    | 110   |     |       |          |
| WG549911LCSW6   | LCSW | 09/06/22 23:17 | WC220901-7 | 820.0001 |        | 775.3 | mg/L  | 95   | 90    | 110   |     |       |          |
| WG549911PBW2    | PBW  | 09/06/22 23:25 |            |          |        | 16.6  | mg/L  |      | -20   | 20    |     |       |          |
| WG549911LCSW9   | LCSW | 09/07/22 2:00  | WC220901-7 | 820.0001 |        | 781   | mg/L  | 95   | 90    | 110   |     |       |          |
| WG549911PBW3    | PBW  | 09/07/22 2:08  |            |          |        | 20.6  | mg/L  |      | -20   | 20    |     |       | B4 B7 BF |
| WG549911LCSW12  | LCSW | 09/07/22 4:20  | WC220901-7 | 820.0001 |        | 779.2 | mg/L  | 95   | 90    | 110   |     |       |          |
| WG549911PBW4    | PBW  | 09/07/22 4:28  |            |          |        | 18.2  | mg/L  |      | -20   | 20    |     |       |          |
| L75618-01DUP    | DUP  | 09/07/22 7:08  |            |          | 60.8   | 64.2  | mg/L  |      |       |       | 5   | 20    |          |
| WG549911LCSW15  | LCSW | 09/07/22 7:28  | WC220901-7 | 820.0001 |        | 784.7 | mg/L  | 96   | 90    | 110   |     |       |          |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 2      |        | 2.033 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | 1.0008 |        | 1.025 | mg/L  | 102  | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | 1.0008 | U      | 1.029 | mg/L  | 103  | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | 1.0008 | U      | 1.01  | mg/L  | 101  | 85    | 115   | 2   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .0201 |        | .01861 | mg/L  | 93   | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .01   |        | .01073 | mg/L  | 107  | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .01   | U      | .00985 | mg/L  | 99   | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .01   | U      | .01038 | mg/L  | 104  | 70       | 130     | 5   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .05    |        | .05148 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .05005 |        | .05349 | mg/L  | 107  | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .05005 | .00027 | .05519 | mg/L  | 110  | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .05005 | .00027 | .05719 | mg/L  | 114  | 70       | 130     | 4   | 20    |      |

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |      |        |        |       |      |        |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 2    |        | 2.0135 | mg/L  | 101  | 95     | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |      |        | U      | mg/L  |      | -0.027 | 0.027 |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | .502 |        | .4954  | mg/L  | 99   | 85     | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | .502 | .0465  | .5442  | mg/L  | 99   | 85     | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | .502 | .0465  | .5257  | mg/L  | 95   | 85     | 115   | 3   | 20    |      |

**OURAYSM**

ACZ Project ID: **L75617**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG550084</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG550084ICV     | ICV  | 09/08/22 15:17 | MS220701-3 | .05    |        | .050823 | mg/L  | 102  | 90        | 110      |     |       |      |
| WG550084ICB     | ICB  | 09/08/22 15:19 |            |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG550084LFB     | LFB  | 09/08/22 15:21 | MS220822-2 | .05005 |        | .048855 | mg/L  | 98   | 85        | 115      |     |       |      |
| L75499-05AS     | AS   | 09/08/22 15:54 | MS220822-2 | .05005 | U      | .053426 | mg/L  | 107  | 70        | 130      |     |       |      |
| L75499-05ASD    | ASD  | 09/08/22 15:56 | MS220822-2 | .05005 | U      | .053611 | mg/L  | 107  | 70        | 130      | 0   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 2.17  |        | 2.27  | mg/L  | 105  | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | .5005 |        | .511  | mg/L  | 102  | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | .5005 | U      | .503  | mg/L  | 100  | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | .5005 | U      | .484  | mg/L  | 97   | 85    | 115   | 4   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .05    |         | .050329 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .05005 |         | .051108 | mg/L  | 102  | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .05005 | .000054 | .049871 | mg/L  | 100  | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .05005 | .000054 | .051653 | mg/L  | 103  | 70       | 130     | 4   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |          |        |        |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 100      |        | 103.43 | mg/L  | 103  | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |          |        | U      | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | 67.98862 |        | 70.1   | mg/L  | 103  | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | 67.98862 | 31.7   | 100.8  | mg/L  | 102  | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | 67.98862 | 31.7   | 98.93  | mg/L  | 99   | 85    | 115   | 2   | 20    |      |

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550035</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG550035ICV     | ICV  | 09/08/22 10:28 | WI220502-12 | 54.945 |        | 54.61 | mg/L  | 99   | 90    | 110   |     |       |      |
| WG550035ICB     | ICB  | 09/08/22 10:28 |             |        |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG550035LFB1    | LFB  | 09/08/22 10:29 | WI220328-1  | 29.97  |        | 27.77 | mg/L  | 93   | 90    | 110   |     |       |      |
| WG550035LFB2    | LFB  | 09/08/22 10:44 | WI220328-1  | 29.97  |        | 28.65 | mg/L  | 96   | 90    | 110   |     |       |      |
| L75617-02AS     | AS   | 09/08/22 10:48 | WI220328-1  | 29.97  | 1.19   | 29.39 | mg/L  | 94   | 90    | 110   |     |       |      |
| L75617-03DUP    | DUP  | 09/08/22 10:49 |             |        | 1.19   | 1.29  | mg/L  |      |       |       | 8   | 20    | RA   |

**OURAYSM**

ACZ Project ID: **L75617**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG549973</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .05   |        | .05089 | mg/L  | 102  | 90      | 110    |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .0501 |        | .05355 | mg/L  | 107  | 85      | 115    |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .0501 | .00086 | .05218 | mg/L  | 102  | 70      | 130    |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .0501 | .00086 | .05378 | mg/L  | 106  | 70      | 130    | 3   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG550631</b> |      |                |           |      |        |       |          |      |       |       |     |       |      |
| WG550631LCSW2   | LCSW | 09/15/22 17:55 | PCN623318 | 1409 |        | 1413  | umhos/cm | 100  | 90    | 110   |     |       |      |
| L75625-02DUP    | DUP  | 09/15/22 19:48 |           |      | 3070   | 3080  | umhos/cm |      |       |       | 0   | 20    |      |
| WG550631LCSW5   | LCSW | 09/15/22 19:54 | PCN623318 | 1409 |        | 1408  | umhos/cm | 100  | 90    | 110   |     |       |      |
| WG550631LCSW8   | LCSW | 09/15/22 23:48 | PCN623318 | 1409 |        | 1406  | umhos/cm | 100  | 90    | 110   |     |       |      |
| WG550631LCSW11  | LCSW | 09/16/22 3:33  | PCN623318 | 1409 |        | 1406  | umhos/cm | 100  | 90    | 110   |     |       |      |
| WG550631LCSW14  | LCSW | 09/16/22 6:12  | PCN623318 | 1409 |        | 1399  | umhos/cm | 99   | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .05 |        | .05446 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .05 |        | .05427 | mg/L  | 109  | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .05 | U      | .05248 | mg/L  | 105  | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .05 | U      | .05486 | mg/L  | 110  | 70       | 130     | 4   | 20    |      |

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG550083</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG550083ICV     | ICV  | 09/08/22 14:44 | WI220901-6 | .3003 |        | .2989 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG550083ICB     | ICB  | 09/08/22 14:45 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG549916LRB     | LRB  | 09/08/22 14:46 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG549916LFB     | LFB  | 09/08/22 14:46 | WI220901-3 | .2    |        | .2433 | mg/L  | 122  | 90     | 110   |     |       | LA   |
| L75617-03LFM    | LFM  | 09/08/22 15:08 | WI220901-3 | .2    | U      | .2437 | mg/L  | 122  | 90     | 110   |     |       | M1   |
| L75617-04DUP    | DUP  | 09/08/22 15:10 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG549931</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG549931ICV     | ICV  | 09/07/22 10:20 | WC220831-1 | 2.008 |        | 2.01  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG549931ICB     | ICB  | 09/07/22 10:26 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| <b>WG549932</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG549932ICV     | ICV  | 09/07/22 11:55 | WC220831-1 | 2.008 |        | 1.98  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG549932ICB     | ICB  | 09/07/22 12:01 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG549932LFB1    | LFB  | 09/07/22 12:11 | WC220606-1 | 5.02  |        | 4.88  | mg/L  | 97   | 90    | 110   |     |       |      |
| WG549932LFB2    | LFB  | 09/07/22 15:53 | WC220606-1 | 5.02  |        | 4.95  | mg/L  | 99   | 90    | 110   |     |       |      |
| L75474-03AS     | AS   | 09/07/22 17:56 | WC220606-1 | 5.02  | U      | 4.93  | mg/L  | 98   | 90    | 110   |     |       |      |
| L75474-03ASD    | ASD  | 09/07/22 18:17 | WC220606-1 | 5.02  | U      | 5.05  | mg/L  | 101  | 90    | 110   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L75617**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 2      |        | 2.016 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | 1.0013 |        | 1.01  | mg/L  | 101  | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | 1.0013 | U      | .997  | mg/L  | 100  | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | 1.0013 | U      | .956  | mg/L  | 95   | 85    | 115   | 4   | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .05   |        | .0513  | mg/L  | 103  | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .0501 |        | .05283 | mg/L  | 105  | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .0501 | U      | .05294 | mg/L  | 106  | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .0501 | U      | .05417 | mg/L  | 108  | 70       | 130     | 2   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 100      |        | 99.75 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | 49.99809 |        | 49.27 | mg/L  | 99   | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | 49.99809 | 2.08   | 50.24 | mg/L  | 96   | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | 49.99809 | 2.08   | 49.22 | mg/L  | 94   | 85    | 115   | 2   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 2    |        | 1.985 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | .499 |        | .505  | mg/L  | 101  | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | .499 | U      | .502  | mg/L  | 101  | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | .499 | U      | .484  | mg/L  | 97   | 85    | 115   | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L75617**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG550013</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG550013ICV     | ICV  | 09/08/22 14:25 | HG220830-3 | .005005 |        | .00512 | mg/L  | 102  | 95       | 105     |     |       |      |
| WG550013ICB     | ICB  | 09/08/22 14:26 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG550013LRB     | LRB  | 09/08/22 14:28 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG550013LFB     | LFB  | 09/08/22 14:29 | HG220830-6 | .002002 |        | .00202 | mg/L  | 101  | 85       | 115     |     |       |      |
| L75617-01LFM    | LFM  | 09/08/22 14:47 | HG220830-6 | .002002 | U      | .00208 | mg/L  | 104  | 85       | 115     |     |       |      |
| L75617-01LFMD   | LFMD | 09/08/22 14:50 | HG220830-6 | .002002 | U      | .00205 | mg/L  | 102  | 85       | 115     | 1   | 20    |      |
| L75617-05LFM    | LFM  | 09/08/22 14:54 | HG220830-6 | .002002 | U      | .002   | mg/L  | 100  | 85       | 115     |     |       |      |
| L75617-05LFMD   | LFMD | 09/08/22 14:55 | HG220830-6 | .002002 | U      | .00203 | mg/L  | 101  | 85       | 115     | 1   | 20    |      |

**WG550014**

|               |      |                |            |         |   |        |      |     |          |         |   |    |  |
|---------------|------|----------------|------------|---------|---|--------|------|-----|----------|---------|---|----|--|
| WG550014LRB   | LRB  | 09/08/22 15:01 |            |         |   | U      | mg/L |     | -0.00044 | 0.00044 |   |    |  |
| WG550014LFB   | LFB  | 09/08/22 15:02 | HG220830-6 | .002002 |   | .00193 | mg/L | 96  | 85       | 115     |   |    |  |
| L75489-01LFM  | LFM  | 09/08/22 15:24 | HG220830-6 | .002002 | U | .00201 | mg/L | 100 | 85       | 115     |   |    |  |
| L75489-01LFMD | LFMD | 09/08/22 15:25 | HG220830-6 | .002002 | U | .00191 | mg/L | 95  | 85       | 115     | 5 | 20 |  |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .02    |        | .02025 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .05005 |        | .05233 | mg/L  | 105  | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .05005 | .00038 | .0524  | mg/L  | 104  | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .05005 | .00038 | .05388 | mg/L  | 107  | 70       | 130     | 3   | 20    |      |

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |      |        |        |       |      |        |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 2    |        | 2.0525 | mg/L  | 103  | 95     | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |      |        | U      | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | .502 |        | .5204  | mg/L  | 104  | 85     | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | .502 | U      | .5189  | mg/L  | 103  | 85     | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | .502 | U      | .5003  | mg/L  | 100  | 85     | 115   | 4   | 20    |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550008</b> |      |               |            |       |        |       |       |      |       |       |     |       |      |
| WG550008ICV     | ICV  | 09/08/22 0:09 | WI220903-1 | 2.416 |        | 2.373 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG550008ICB     | ICB  | 09/08/22 0:10 |            |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG550012</b> |      |               |            |       |        |       |       |      |       |       |     |       |      |
| WG550012LFB     | LFB  | 09/08/22 2:35 | WI220826-7 | 2     |        | 2.011 | mg/L  | 101  | 90    | 110   |     |       |      |
| L75503-07AS     | AS   | 09/08/22 2:57 | WI220826-7 | 2     | 1.04   | 3.115 | mg/L  | 104  | 90    | 110   |     |       |      |
| L75503-08DUP    | DUP  | 09/08/22 2:59 |            |       | .9     | .899  | mg/L  |      |       |       | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L75617**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG549911</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG549911LCSW1   | LCSW | 09/06/22 20:26 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG549911LCSW4   | LCSW | 09/06/22 23:01 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG549911LCSW7   | LCSW | 09/07/22 1:43  | PCN65296 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG549911LCSW10  | LCSW | 09/07/22 4:04  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L75618-01DUP    | DUP  | 09/07/22 7:08  |          |    | 7      | 7.1   | units |      |       |       | 1   | 20    |      |
| WG549911LCSW13  | LCSW | 09/07/22 7:12  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550375</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG550375ICV     | ICV  | 09/13/22 16:11 | WI220818-6 | .65228 |        | .655  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG550375ICB     | ICB  | 09/13/22 16:14 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG549966LRB     | LRB  | 09/13/22 16:15 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG549966LFB     | LFB  | 09/13/22 16:16 | WI220902-7 | .5     |        | .489  | mg/L  | 98   | 90    | 110   |     |       |      |
| L75617-04LFM    | LFM  | 09/13/22 16:21 | WI220902-7 | .5     | U      | .479  | mg/L  | 96   | 90    | 110   |     |       |      |
| L75617-07DUP    | DUP  | 09/13/22 16:28 |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 20       |        | 20.17 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | 99.95798 |        | 99.98 | mg/L  | 100  | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | 99.95798 | .73    | 103.3 | mg/L  | 103  | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | 99.95798 | .73    | 100.3 | mg/L  | 100  | 85    | 115   | 3   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550088</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG550088PBW     | PBW  | 09/08/22 15:00 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG550088LCSW    | LCSW | 09/08/22 15:02 | PCN66033 | 1000 |        | 984   | mg/L  | 98   | 80    | 120   |     |       |      |
| L75642-01DUP    | DUP  | 09/08/22 16:00 |          |      | 74     | 72    | mg/L  |      |       |       | 3   | 10    | RA   |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550188</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG550188PBW     | PBW  | 09/09/22 16:30 |           |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG550188LCSW    | LCSW | 09/09/22 16:32 | PCN623506 | 100 |        | 83    | mg/L  | 83   | 80    | 120   |     |       |      |
| L75619-02DUP    | DUP  | 09/09/22 17:01 |           |     | 34     | 39    | mg/L  |      |       |       | 14  | 10    | RA   |

**OURAYSM**

ACZ Project ID: **L75617**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Selenium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .05 |        | .05038 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |     |        | .00012 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .05 |        | .04884 | mg/L  | 98   | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .05 | .00172 | .04646 | mg/L  | 89   | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .05 | .00172 | .04844 | mg/L  | 93   | 70       | 130     | 4   | 20    |      |

**Silica, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 42.8   |        | 42.65 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | 21.404 |        | 21.65 | mg/L  | 101  | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | 21.404 | 5.1    | 25.79 | mg/L  | 97   | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | 21.404 | 5.1    | 25.07 | mg/L  | 93   | 85    | 115   | 3   | 20    |      |

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .02 |        | .01972 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .01 |        | .01053 | mg/L  | 105  | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .01 | U      | .00787 | mg/L  | 79   | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .01 | U      | .00866 | mg/L  | 87   | 70       | 130     | 10  | 20    |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |          |        |        |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 100      |        | 101.63 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |          |        | U      | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | 100.0023 |        | 99.4   | mg/L  | 99   | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | 100.0023 | 2.46   | 101.1  | mg/L  | 99   | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | 100.0023 | 2.46   | 98.85  | mg/L  | 96   | 85    | 115   | 2   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG549962</b> |      |                |            |       |        |        |       |      |       |       |     |       |      |
| WG549962ICB     | ICB  | 09/07/22 10:40 |            |       |        | U      | mg/L  |      | -3    | 3     |     |       |      |
| WG549962ICV     | ICV  | 09/07/22 10:40 | WI220830-1 | 19.54 |        | 19.8   | mg/L  | 101  | 90    | 110   |     |       |      |
| WG549962LFB     | LFB  | 09/07/22 13:17 | WI220830-3 | 10    |        | 10.2   | mg/L  | 102  | 90    | 110   |     |       |      |
| L75577-09DUP    | DUP  | 09/07/22 14:12 |            |       | 1100   | 1079.2 | mg/L  |      |       |       | 2   | 20    |      |
| L75577-10AS     | AS   | 09/07/22 14:27 | SO4TURB    | 10    | 1100   | 1094.4 | mg/L  | -56  | 90    | 110   |     |       | M3   |

**OURAYSM**

ACZ Project ID: **L75617**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .05 |        | .05153 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .05 |        | .05343 | mg/L  | 107  | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .05 | U      | .0531  | mg/L  | 106  | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .05 | U      | .05463 | mg/L  | 109  | 70       | 130     | 3   | 20    |      |

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG549973</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG549973ICV     | ICV  | 09/07/22 22:07 | MS220701-3 | .05 |        | .05135 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG549973ICB     | ICB  | 09/07/22 22:09 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG549973LFB     | LFB  | 09/07/22 22:10 | MS220822-2 | .05 |        | .05271 | mg/L  | 105  | 85       | 115     |     |       |      |
| L75577-10AS     | AS   | 09/07/22 22:42 | MS220822-2 | .05 | U      | .05532 | mg/L  | 111  | 70       | 130     |     |       |      |
| L75577-10ASD    | ASD  | 09/07/22 22:43 | MS220822-2 | .05 | U      | .0558  | mg/L  | 112  | 70       | 130     | 1   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 2     |        | 2.083 | mg/L  | 104  | 95     | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | .5005 |        | .5179 | mg/L  | 103  | 85     | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | .5005 | U      | .5163 | mg/L  | 103  | 85     | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | .5005 | U      | .498  | mg/L  | 100  | 85     | 115   | 4   | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG550265</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG550265ICV     | ICV  | 09/12/22 18:10 | II220906-1 | 2      |        | 1.98  | mg/L  | 99   | 95    | 105   |     |       |      |
| WG550265ICB     | ICB  | 09/12/22 18:16 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG550265LFB     | LFB  | 09/12/22 18:28 | II220831-2 | .50045 |        | .513  | mg/L  | 103  | 85    | 115   |     |       |      |
| L75617-04AS     | AS   | 09/12/22 19:43 | II220831-2 | .50045 | .101   | .565  | mg/L  | 93   | 85    | 115   |     |       |      |
| L75617-04ASD    | ASD  | 09/12/22 19:46 | II220831-2 | .50045 | .101   | .559  | mg/L  | 92   | 85    | 115   | 1   | 20    |      |



**Ouray Silver Mines**

ACZ Project ID: **L75617**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75617-01 | WG550035 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550083 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [< MDL].                                               |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550375 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550088 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550188 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG549962 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG549911 | Total Alkalinity                    | SM2320B - Titration                   | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |

**Ouray Silver Mines**

ACZ Project ID: **L75617**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75617-02 | WG550035 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550083 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [< MDL].                                               |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550375 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550088 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550188 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG549962 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG549911 | Total Alkalinity                    | SM2320B - Titration                   | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |

**Ouray Silver Mines**

ACZ Project ID: **L75617**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75617-03 | WG550035 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550083 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [< MDL].                                               |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550375 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550088 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550188 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG549962 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG549911 | Total Alkalinity                    | SM2320B - Titration                   | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |

**Ouray Silver Mines**

ACZ Project ID: **L75617**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75617-04 | WG550035 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550083 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [< MDL].                                               |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550375 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550088 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550188 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG549962 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG549911 | Total Alkalinity                    | SM2320B - Titration                   | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |

**Ouray Silver Mines**

ACZ Project ID: **L75617**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75617-05 | WG550035 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550083 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [< MDL].                                               |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550375 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550088 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550188 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG549962 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG549911 | Total Alkalinity                    | SM2320B - Titration                   | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |

**Ouray Silver Mines**

ACZ Project ID: **L75617**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75617-06 | WG550035 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550083 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [< MDL].                                               |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550375 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550088 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540C                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG550188 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG549962 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG549911 | Total Alkalinity                    | SM2320B - Titration                   | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |

**Ouray Silver Mines**

ACZ Project ID: **L75617**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L75617-07 | WG550035 | Chloride                            | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550083 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [< MDL].                                               |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|           |          |                                     | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550375 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550088 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540C                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG550188 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG549962 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG549911 | Total Alkalinity                    | SM2320B - Titration                   | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |

**Ouray Silver Mines**

ACZ Project ID: **L75617**

No certification qualifiers associated with this analysis



Ouray Silver Mines

ACZ Project ID: L75617

Date Received: 08/24/2022 10:49

Received By:

Date Printed: 9/7/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 3924      | 4.1       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L75617

Date Received: 08/24/2022 10:49

Received By:

Date Printed: 9/7/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



February 01, 2023

## Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

## Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable

## Project ID:

ACZ Project ID: L77971

Todd Jesse:

Enclosed are revised analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on December 27, 2022 and originally reported on January 24, 2023. Refer to the case narrative for an explanation of the changes. This project was assigned to ACZ's project number, L77971. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L77971. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after February 23, 2023. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

*Mark McNeal*

Mark McNeal has reviewed  
and approved this report.



Ouray Silver Mines

February 01, 2023

Project ID:

ACZ Project ID: L77971

**Sample Receipt**

ACZ Laboratories, Inc. (ACZ) received 7 groundwater samples from Ouray Silver Mines on December 27, 2022. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L77971. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

**Holding Times**

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

**Sample Analysis**

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

This report is being reissued to include updated values for CN-T on samples -02, -03 and -07.

1. The below is from WG557680  
Qualifier: H1  
Applies to: L77971-01/ALKALINITY  
L77971-02/ALKALINITY  
L77971-03/ALKALINITY  
L77971-04/ALKALINITY  
L77971-05/ALKALINITY

Sample prep or analysis performed past holding time. Samples received within hold time, login/login review past hold, ran past hold as soon as possible.

2. The below is from WG557686  
Qualifier: H1  
Applies to: L77971-01/CYANIDE  
L77971-02/CYANIDE  
L77971-03/CYANIDE  
L77971-04/CYANIDE  
L77971-05/CYANIDE

Sx's logged in Friday 12/30/22 at the end of the day. Sx's prepped and analyzed as soon as possible

3. The below is from WG557689  
Qualifier: H1  
Applies to: L77971-06/TOTAL DISSOLVED SOLIDS  
L77971-07/TOTAL DISSOLVED SOLIDS

Sample prep or analysis performed past holding time. Sample received at hold, login/login review past hold. Ran as soon as possible.

4. The below is from WG559508  
Qualifier: H1  
Applies to: L77971-02/CYANIDE  
L77971-03/CYANIDE

Samples received with <2 days remaining on a 14 day hold. Initial analysis performed as soon as possible. Confirmatory analysis performed past hold.

**Ouray Silver Mines**

Project ID:

Sample ID: GW-1B

ACZ Sample ID: **L77971-01**

Date Sampled: 12/15/22 09:58

Date Received: 12/27/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/31/22 16:26 | dfb     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/03/23 14:08 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 01/17/23 15:16 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00069  | B    |    | mg/L  | 0.0004  | 0.002   | 01/10/23 19:10 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00042  | B    |    | mg/L  | 0.0002  | 0.001   | 01/10/23 19:10 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0540   |      |    | mg/L  | 0.009   | 0.035   | 01/17/23 15:16 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 01/10/23 19:10 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 01/17/23 15:16 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000119 | B    |    | mg/L  | 0.00005 | 0.00025 | 01/10/23 19:10 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 36.1     |      |    | mg/L  | 0.1     | 0.5     | 01/17/23 15:16 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 01/10/23 19:10 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | 0.00142  | B    |    | mg/L  | 0.0008  | 0.002   | 01/10/23 19:10 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 01/17/23 15:16 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00012  | B    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:10 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 3.36     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:16 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 01/18/23 23:14 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/09/23 12:37 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00120  |      |    | mg/L  | 0.0002  | 0.0005  | 01/10/23 19:10 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 01/18/23 23:14 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.69     | B    |    | mg/L  | 0.2     | 1       | 01/17/23 15:16 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00032  |      |    | mg/L  | 0.0001  | 0.00025 | 01/10/23 19:10 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.5      |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:16 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:10 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.62     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:16 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:10 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:10 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 01/18/23 23:14 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.063    |      |    | mg/L  | 0.02    | 0.05    | 01/17/23 15:16 | wtc     |

### Ouray Silver Mines

Project ID:

Sample ID: GW-1B

ACZ Sample ID: **L77971-01**

Date Sampled: 12/15/22 09:58

Date Received: 12/27/22

Sample Matrix: Groundwater

#### Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 38.7   | H    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 38.7   | H    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -4.3   |      |    | %        |       |      | 02/01/23 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 2.4    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 2.2    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L     | 1     | 2    | 01/09/23 12:09 | bls     |
| Conductivity @25C                         | SM2510B                                           | 1        | 236    |      | *  | umhos/cm | 1     | 10   | 01/03/23 17:50 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation             | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 01/03/23 16:32 | mrd     |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.23   | B    | *  | mg/L     | 0.15  | 0.35 | 01/12/23 17:38 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 104    |      |    | mg/L     | 0.2   | 5    | 02/01/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.097  | B    | *  | mg/L     | 0.02  | 0.1  | 01/07/23 2:56  | pjb     |
| pH (lab)                                  | SM4500H+ B                                        |          |        |      |    |          |       |      |                |         |
| pH                                        |                                                   | 1        | 6.6    | H    | *  | units    | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| pH measured at                            |                                                   | 1        | 22.5   |      | *  | C        | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)              | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 01/12/23 9:57  | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 142    | H    | *  | mg/L     | 20    | 40   | 01/03/23 16:20 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 01/09/23 16:23 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 74.3   |      | *  | mg/L     | 5     | 25   | 01/11/23 14:25 | gkk     |
| TDS (calculated)                          | Calculation                                       |          | 147    |      |    | mg/L     |       |      | 02/01/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.97   |      |    |          |       |      | 02/01/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-99

ACZ Sample ID: **L77971-02**

Date Sampled: 12/15/22 09:58

Date Received: 12/27/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 01/28/23 10:50 | dfb/bls |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/03/23 14:19 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 01/17/23 15:19 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00067  | B    |    | mg/L  | 0.0004  | 0.002   | 01/10/23 19:11 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00040  | B    |    | mg/L  | 0.0002  | 0.001   | 01/10/23 19:11 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0551   |      |    | mg/L  | 0.009   | 0.035   | 01/17/23 15:19 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 01/10/23 19:11 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 01/17/23 15:19 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000113 | B    |    | mg/L  | 0.00005 | 0.00025 | 01/10/23 19:11 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 36.6     |      |    | mg/L  | 0.1     | 0.5     | 01/17/23 15:19 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 01/10/23 19:11 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | 0.00137  | B    |    | mg/L  | 0.0008  | 0.002   | 01/10/23 19:11 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 01/17/23 15:19 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00012  | B    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:11 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 3.41     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:19 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 01/18/23 23:17 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/09/23 12:42 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00117  |      |    | mg/L  | 0.0002  | 0.0005  | 01/10/23 19:11 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 01/18/23 23:17 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.65     | B    |    | mg/L  | 0.2     | 1       | 01/17/23 15:19 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00030  |      |    | mg/L  | 0.0001  | 0.00025 | 01/10/23 19:11 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.5      |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:19 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:11 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.64     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:19 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:11 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:11 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 01/18/23 23:17 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.062    |      |    | mg/L  | 0.02    | 0.05    | 01/17/23 15:19 | wtc     |



### Ouray Silver Mines

Project ID:

Sample ID: GW-99

ACZ Sample ID: **L77971-02**

Date Sampled: 12/15/22 09:58

Date Received: 12/27/22

Sample Matrix: Groundwater

#### Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 38.5   | H    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 38.5   | H    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -2.2   |      |    | %        |       |      | 02/01/23 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 2.3    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 2.2    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L     | 1     | 2    | 01/09/23 12:09 | bls     |
| Conductivity @25C                         | SM2510B                                           | 1        | 237    |      | *  | umhos/cm | 1     | 10   | 01/03/23 17:59 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation             | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 01/31/23 13:03 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.19   | B    | *  | mg/L     | 0.15  | 0.35 | 01/12/23 17:43 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 105    |      |    | mg/L     | 0.2   | 5    | 02/01/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.096  | B    | *  | mg/L     | 0.02  | 0.1  | 01/07/23 2:58  | pjb     |
| pH (lab)                                  | SM4500H+ B                                        |          |        |      |    |          |       |      |                |         |
| pH                                        |                                                   | 1        | 6.6    | H    | *  | units    | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| pH measured at                            |                                                   | 1        | 22.6   |      | *  | C        | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)              | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 01/12/23 10:01 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 142    | H    | *  | mg/L     | 20    | 40   | 01/03/23 16:23 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 01/09/23 16:25 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 74.3   |      | *  | mg/L     | 5     | 25   | 01/11/23 14:25 | gkk     |
| TDS (calculated)                          | Calculation                                       |          | 147    |      |    | mg/L     |       |      | 02/01/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.97   |      |    |          |       |      | 02/01/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-0

ACZ Sample ID: **L77971-03**

Date Sampled: 12/15/22 13:26

Date Received: 12/27/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 01/28/23 11:02 | dfb/bls |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/03/23 14:24 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 01/17/23 15:22 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | <0.0004  | U    |    | mg/L  | 0.0004  | 0.002   | 01/10/23 19:17 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/11/23 14:45 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | <0.009   | U    |    | mg/L  | 0.009   | 0.035   | 01/17/23 15:22 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 01/10/23 19:17 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | 0.039    | B    |    | mg/L  | 0.03    | 0.1     | 01/17/23 15:22 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 01/10/23 19:17 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 0.44     | B    |    | mg/L  | 0.1     | 0.5     | 01/17/23 15:22 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 01/10/23 19:17 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | 0.00249  |      |    | mg/L  | 0.0008  | 0.002   | 01/10/23 19:17 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 01/17/23 15:22 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00015  | B    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:17 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 0.26     | B    |    | mg/L  | 0.2     | 1       | 01/17/23 15:22 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 01/18/23 23:20 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/09/23 12:43 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.0005  | 01/10/23 19:17 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 01/18/23 23:20 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.31     | B    |    | mg/L  | 0.2     | 1       | 01/17/23 15:22 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.00025 | 01/10/23 19:17 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 2.2      |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:22 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:17 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 0.48     | B    |    | mg/L  | 0.2     | 1       | 01/17/23 15:22 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:17 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:17 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 01/18/23 23:20 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05    | 01/17/23 15:22 | wtc     |

### Ouray Silver Mines

Project ID:

Sample ID: GW-0

ACZ Sample ID: **L77971-03**

Date Sampled: 12/15/22 13:26

Date Received: 12/27/22

Sample Matrix: Groundwater

### Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 2.8    | BH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 2.8    | BH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | n/a    |      |    | %        |       |      | 02/01/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | <      | U    |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | <      | U    |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <1     | U    | *  | mg/L     | 1     | 2    | 01/09/23 12:09 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 8      | B    | *  | umhos/cm | 1     | 10   | 01/03/23 18:08 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 01/31/23 13:04 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    | *  | mg/L     | 0.15  | 0.35 | 01/12/23 17:47 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 2.2    | B    |    | mg/L     | 0.2   | 5    | 02/01/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | <0.02  | U    | *  | mg/L     | 0.02  | 0.1  | 01/07/23 2:59  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.0    | H    | *  | units    | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.7   |      | *  | C        | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | 0.024  | B    | *  | mg/L     | 0.01  | 0.05 | 01/12/23 10:02 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | <20    | UH   | *  | mg/L     | 20    | 40   | 01/03/23 16:26 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 01/09/23 16:27 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 1        | <1     | U    | *  | mg/L     | 1     | 5    | 01/11/23 14:04 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 5.99   |      |    | mg/L     |       |      | 02/01/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | n/a    |      |    |          |       |      | 02/01/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2A

ACZ Sample ID: **L77971-04**

Date Sampled: 12/15/22 13:51

Date Received: 12/27/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/31/22 17:37 | dfb     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/03/23 14:35 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 01/17/23 15:25 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00091  | B    |    | mg/L  | 0.0004  | 0.002   | 01/10/23 19:19 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00024  | B    |    | mg/L  | 0.0002  | 0.001   | 01/11/23 14:46 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0498   |      |    | mg/L  | 0.009   | 0.035   | 01/17/23 15:25 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 01/10/23 19:19 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 01/17/23 15:25 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000560 |      |    | mg/L  | 0.00005 | 0.00025 | 01/10/23 19:19 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 29.4     |      |    | mg/L  | 0.1     | 0.5     | 01/17/23 15:25 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 01/10/23 19:19 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 01/10/23 19:19 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 01/17/23 15:25 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00011  | B    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:19 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.41     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:25 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 01/18/23 23:24 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/09/23 12:44 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00112  |      |    | mg/L  | 0.0002  | 0.0005  | 01/10/23 19:19 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 01/18/23 23:24 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.73     | B    |    | mg/L  | 0.2     | 1       | 01/17/23 15:25 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00028  |      |    | mg/L  | 0.0001  | 0.00025 | 01/10/23 19:19 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.0      |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:25 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:19 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.18     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:25 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:19 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:19 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 01/18/23 23:24 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.449    |      |    | mg/L  | 0.02    | 0.05    | 01/17/23 15:25 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2A

ACZ Sample ID: **L77971-04**

Date Sampled: 12/15/22 13:51

Date Received: 12/27/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 34.3   | H    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 34.3   | H    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -2.7   |      |    | %        |       |      | 02/01/23 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.9    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.8    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 1.18   | B    | *  | mg/L     | 1     | 2    | 01/12/23 12:56 | bls     |
| Conductivity @25C                         | SM2510B                                           | 1        | 196    |      | *  | umhos/cm | 1     | 10   | 01/03/23 18:16 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation             | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 01/03/23 16:02 | mrd     |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.22   | B    | *  | mg/L     | 0.15  | 0.35 | 01/12/23 17:52 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 83     |      |    | mg/L     | 0.2   | 5    | 02/01/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.159  |      | *  | mg/L     | 0.02  | 0.1  | 01/07/23 3:00  | pjb     |
| pH (lab)                                  | SM4500H+ B                                        |          |        |      |    |          |       |      |                |         |
| pH                                        |                                                   | 1        | 6.4    | H    | *  | units    | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| pH measured at                            |                                                   | 1        | 22.8   |      | *  | C        | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)              | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 01/12/23 10:05 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 114    | H    | *  | mg/L     | 20    | 40   | 01/03/23 16:28 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 01/09/23 16:29 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 55.4   |      | *  | mg/L     | 5     | 25   | 01/11/23 14:25 | gkk     |
| TDS (calculated)                          | Calculation                                       |          | 119    |      |    | mg/L     |       |      | 02/01/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.96   |      |    |          |       |      | 02/01/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-2B

ACZ Sample ID: **L77971-05**

Date Sampled: 12/15/22 14:08

Date Received: 12/27/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/31/22 18:00 | dfb     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/03/23 14:40 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 01/17/23 15:34 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00077  | B    |    | mg/L  | 0.0004  | 0.002   | 01/10/23 19:20 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00022  | B    |    | mg/L  | 0.0002  | 0.001   | 01/11/23 14:48 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0571   |      |    | mg/L  | 0.009   | 0.035   | 01/17/23 15:34 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 01/10/23 19:20 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 01/17/23 15:34 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000218 | B    |    | mg/L  | 0.00005 | 0.00025 | 01/10/23 19:20 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 28.9     |      |    | mg/L  | 0.1     | 0.5     | 01/17/23 15:34 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 01/10/23 19:20 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 01/10/23 19:20 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 01/17/23 15:34 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:20 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.52     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:34 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 01/18/23 23:27 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/09/23 12:45 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00091  |      |    | mg/L  | 0.0002  | 0.0005  | 01/10/23 19:20 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 01/18/23 23:27 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.73     | B    |    | mg/L  | 0.2     | 1       | 01/17/23 15:34 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00029  |      |    | mg/L  | 0.0001  | 0.00025 | 01/10/23 19:20 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.4      |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:34 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:20 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.18     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:34 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:20 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:20 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 01/18/23 23:27 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.277    |      |    | mg/L  | 0.02    | 0.05    | 01/17/23 15:34 | wtc     |

### Ouray Silver Mines

Project ID:

Sample ID: GW-2B

ACZ Sample ID: **L77971-05**

Date Sampled: 12/15/22 14:08

Date Received: 12/27/22

Sample Matrix: Groundwater

### Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 35.1   | H    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | UH   | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 35.1   | H    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -2.7   |      |    | %        |       |      | 02/01/23 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.9    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.8    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 1.09   | B    | *  | mg/L     | 1     | 2    | 01/12/23 12:57 | bls     |
| Conductivity @25C                         | SM2510B                                           | 1        | 194    |      | *  | umhos/cm | 1     | 10   | 01/03/23 18:24 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation             | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 01/03/23 16:02 | mrd     |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.22   | B    | *  | mg/L     | 0.15  | 0.35 | 01/12/23 17:56 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 83     |      |    | mg/L     | 0.2   | 5    | 02/01/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.171  |      | *  | mg/L     | 0.02  | 0.1  | 01/07/23 3:03  | pjb     |
| pH (lab)                                  | SM4500H+ B                                        |          |        |      |    |          |       |      |                |         |
| pH                                        |                                                   | 1        | 6.5    | H    | *  | units    | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| pH measured at                            |                                                   | 1        | 22.9   |      | *  | C        | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)              | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 01/12/23 10:06 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 116    | H    | *  | mg/L     | 20    | 40   | 01/03/23 16:31 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 01/09/23 16:30 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 55.7   |      | *  | mg/L     | 5     | 25   | 01/11/23 14:25 | gkk     |
| TDS (calculated)                          | Calculation                                       |          | 120    |      |    | mg/L     |       |      | 02/01/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.97   |      |    |          |       |      | 02/01/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3B

ACZ Sample ID: **L77971-06**

Date Sampled: 12/20/22 13:56

Date Received: 12/27/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/31/22 18:24 | dfb     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/03/23 14:50 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 01/17/23 15:37 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00083  | B    |    | mg/L  | 0.0004  | 0.002   | 01/10/23 19:26 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00027  | B    |    | mg/L  | 0.0002  | 0.001   | 01/11/23 14:54 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0560   |      |    | mg/L  | 0.009   | 0.035   | 01/17/23 15:37 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 01/10/23 19:26 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 01/17/23 15:37 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000120 | B    |    | mg/L  | 0.00005 | 0.00025 | 01/10/23 19:26 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 35.1     |      |    | mg/L  | 0.1     | 0.5     | 01/17/23 15:37 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 01/10/23 19:26 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 01/10/23 19:26 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 01/17/23 15:37 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00026  | B    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:26 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.65     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:37 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 01/18/23 23:30 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/09/23 12:46 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00081  |      |    | mg/L  | 0.0002  | 0.0005  | 01/10/23 19:26 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 01/18/23 23:30 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.71     | B    |    | mg/L  | 0.2     | 1       | 01/17/23 15:37 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00033  |      |    | mg/L  | 0.0001  | 0.00025 | 01/10/23 19:26 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 5.5      |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:37 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:26 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 2.58     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:37 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:26 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:26 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 01/18/23 23:30 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.107    |      |    | mg/L  | 0.02    | 0.05    | 01/17/23 15:37 | wtc     |



### Ouray Silver Mines

Project ID:

Sample ID: GW-3B

ACZ Sample ID: **L77971-06**

Date Sampled: 12/20/22 13:56

Date Received: 12/27/22

Sample Matrix: Groundwater

#### Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 34.4   |      | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 34.4   |      | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -2.3   |      |    | %        |       |      | 02/01/23 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 2.2    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 2.1    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L     | 1     | 2    | 01/12/23 12:58 | bls     |
| Conductivity @25C                         | SM2510B                                           | 1        | 229    |      | *  | umhos/cm | 1     | 10   | 01/03/23 18:32 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation             | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 01/03/23 16:03 | mrd     |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.19   | B    | *  | mg/L     | 0.15  | 0.35 | 01/12/23 18:01 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 99     |      |    | mg/L     | 0.2   | 5    | 02/01/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.257  |      | *  | mg/L     | 0.02  | 0.1  | 01/07/23 3:05  | pjb     |
| pH (lab)                                  | SM4500H+ B                                        |          |        |      |    |          |       |      |                |         |
| pH                                        |                                                   | 1        | 6.5    | H    | *  | units    | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| pH measured at                            |                                                   | 1        | 22.9   |      | *  | C        | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)              | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 01/12/23 10:08 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 136    | H    | *  | mg/L     | 20    | 40   | 01/03/23 16:33 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 01/09/23 16:32 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 73.2   |      | *  | mg/L     | 5     | 25   | 01/11/23 14:25 | gkk     |
| TDS (calculated)                          | Calculation                                       |          | 143    |      |    | mg/L     |       |      | 02/01/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.95   |      |    |          |       |      | 02/01/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: GW-3R

ACZ Sample ID: **L77971-07**

Date Sampled: 12/20/22 14:51

Date Received: 12/27/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 01/28/23 11:15 | dfb/bls |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/03/23 14:55 | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 01/17/23 15:40 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00095  | B    |    | mg/L  | 0.0004  | 0.002   | 01/10/23 19:28 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00052  | B    |    | mg/L  | 0.0002  | 0.001   | 01/11/23 14:56 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0398   |      |    | mg/L  | 0.009   | 0.035   | 01/17/23 15:40 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 01/10/23 19:28 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 01/17/23 15:40 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000314 |      |    | mg/L  | 0.00005 | 0.00025 | 01/10/23 19:28 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 38.1     |      |    | mg/L  | 0.1     | 0.5     | 01/17/23 15:40 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | 0.00494  |      |    | mg/L  | 0.0005  | 0.002   | 01/10/23 19:28 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | 0.00123  | B    |    | mg/L  | 0.0008  | 0.002   | 01/10/23 19:28 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 01/17/23 15:40 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00015  | B    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:28 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.43     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:40 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 01/18/23 23:46 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/09/23 12:46 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00083  |      |    | mg/L  | 0.0002  | 0.0005  | 01/10/23 19:28 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 01/18/23 23:46 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.77     | B    |    | mg/L  | 0.2     | 1       | 01/17/23 15:40 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00021  | B    |    | mg/L  | 0.0001  | 0.00025 | 01/10/23 19:28 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 4.9      |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:40 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:28 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 3.57     |      |    | mg/L  | 0.2     | 1       | 01/17/23 15:40 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:28 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/10/23 19:28 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 01/18/23 23:46 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.198    |      |    | mg/L  | 0.02    | 0.05    | 01/17/23 15:40 | wtc     |

### Ouray Silver Mines

Project ID:

Sample ID: GW-3R

ACZ Sample ID: **L77971-07**

Date Sampled: 12/20/22 14:51

Date Received: 12/27/22

Sample Matrix: Groundwater

#### Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 32.7   |      | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 32.7   |      | *  | mg/L     | 2     | 20   | 01/03/23 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -2.1   |      |    | %        |       |      | 02/01/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.4    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.3    |      |    | meq/L    |       |      | 02/01/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <1     | U    | *  | mg/L     | 1     | 2    | 01/12/23 12:59 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 252    |      | *  | umhos/cm | 1     | 10   | 01/03/23 18:41 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 01/31/23 13:05 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    | *  | mg/L     | 0.15  | 0.35 | 01/12/23 18:04 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 105    |      |    | mg/L     | 0.2   | 5    | 02/01/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.473  |      | *  | mg/L     | 0.02  | 0.1  | 01/07/23 3:06  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.5    | H    | *  | units    | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| pH measured at                            |                                       | 1        | 23.0   |      | *  | C        | 0.1   | 0.1  | 01/03/23 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | 0.011  | B    | *  | mg/L     | 0.01  | 0.05 | 01/12/23 10:09 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 152    | H    | *  | mg/L     | 20    | 40   | 01/03/23 16:36 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | 7.0    | BH   | *  | mg/L     | 5     | 20   | 01/09/23 16:34 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 83.9   |      | *  | mg/L     | 5     | 25   | 01/11/23 14:25 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 155    |      |    | mg/L     |       |      | 02/01/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 0.98   |      |    |          |       |      | 02/01/23 0:00  | calc    |


**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**Ouray Silver Mines**

ACZ Project ID: **L77971**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557680</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG557680PBW     | PBW  | 01/03/23 15:17 |            |          |        | 4.8   | mg/L  |      | -20   | 20    |     |       |      |
| WG557680LCSW3   | LCSW | 01/03/23 15:38 | WC221219-8 | 820.0001 |        | 812   | mg/L  | 99   | 90    | 110   |     |       |      |
| L77971-07DUP    | DUP  | 01/03/23 18:49 |            |          | 32.7   | 32.4  | mg/L  |      |       |       | 1   | 20    |      |
| WG557680LCSW6   | LCSW | 01/03/23 19:10 | WC230103-1 | 820.0001 |        | 818.5 | mg/L  | 100  | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 2      |        | 2.085 | mg/L  | 104  | 95    | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | 1.0008 |        | 1.082 | mg/L  | 108  | 85    | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | 1.0008 | U      | 1.056 | mg/L  | 106  | 85    | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | 1.0008 | U      | 1.098 | mg/L  | 110  | 85    | 115   | 4   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .0201 |        | .01975 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .01   |        | .01099 | mg/L  | 110  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .01   | .00077 | .01124 | mg/L  | 105  | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .01   | .00077 | .01145 | mg/L  | 107  | 70       | 130     | 2   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .05   |        | .0506  | mg/L  | 101  | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |       |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .0501 |        | .05144 | mg/L  | 103  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .0501 | U      | .04879 | mg/L  | 97   | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .0501 | U      | .04794 | mg/L  | 96   | 70       | 130     | 2   | 20    |      |

**WG558241**

|              |     |                |            |       |        |        |      |     |          |         |   |    |  |
|--------------|-----|----------------|------------|-------|--------|--------|------|-----|----------|---------|---|----|--|
| WG558241ICV  | ICV | 01/11/23 14:01 | MS221228-3 | .05   |        | .05159 | mg/L | 103 | 90       | 110     |   |    |  |
| WG558241ICB  | ICB | 01/11/23 14:03 |            |       |        | U      | mg/L |     | -0.00044 | 0.00044 |   |    |  |
| WG558241LFB  | LFB | 01/11/23 14:08 | MS230110-5 | .0501 |        | .05385 | mg/L | 107 | 85       | 115     |   |    |  |
| L77971-05AS  | AS  | 01/11/23 14:50 | MS230110-5 | .0501 | .00022 | .05332 | mg/L | 106 | 70       | 130     |   |    |  |
| L77971-05ASD | ASD | 01/11/23 14:52 | MS230110-5 | .0501 | .00022 | .05455 | mg/L | 108 | 70       | 130     | 2 | 20 |  |

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |      |        |        |       |      |        |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 2    |        | 2.0448 | mg/L  | 102  | 95     | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |      |        | U      | mg/L  |      | -0.027 | 0.027 |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | .502 |        | .5003  | mg/L  | 100  | 85     | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | .502 | .0398  | .5966  | mg/L  | 111  | 85     | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | .502 | .0398  | .4907  | mg/L  | 90   | 85     | 115   | 19  | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L77971**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG558127</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .05    |        | .05017  | mg/L  | 100  | 90        | 110      |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |        |        | .000102 | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .05005 |        | .051298 | mg/L  | 102  | 85        | 115      |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .05005 | U      | .052688 | mg/L  | 105  | 70        | 130      |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .05005 | U      | .054548 | mg/L  | 109  | 70        | 130      | 3   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 2     |        | 2.093 | mg/L  | 105  | 95    | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | .5005 |        | .515  | mg/L  | 103  | 85    | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | .5005 | U      | .574  | mg/L  | 115  | 85    | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | .5005 | U      | .482  | mg/L  | 96   | 85    | 115   | 17  | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .05    |         | .050558 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .05005 |         | .051648 | mg/L  | 103  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .05005 | .000218 | .049651 | mg/L  | 99   | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .05005 | .000218 | .051057 | mg/L  | 102  | 70       | 130     | 3   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 100      |        | 99.64 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |          |        | .14   | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | 67.99353 |        | 66.74 | mg/L  | 98   | 85    | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | 67.99353 | 38.1   | 104.6 | mg/L  | 98   | 85    | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | 67.99353 | 38.1   | 107.8 | mg/L  | 103  | 85    | 115   | 3   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L77971**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500Cl-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558028</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG558028ICB     | ICB  | 01/09/23 9:13  |             |        |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG558028ICV     | ICV  | 01/09/23 9:13  | WI220502-12 | 54.945 |        | 57.17 | mg/L  | 104  | 90    | 110   |     |       |      |
| WG558028LFB     | LFB  | 01/09/23 12:06 | WI221025-9  | 30.03  |        | 30.22 | mg/L  | 101  | 90    | 110   |     |       |      |
| L77800-06DUP    | DUP  | 01/09/23 12:08 |             |        | 5.64   | 5.8   | mg/L  |      |       |       | 3   | 20    | RA   |
| L77800-07AS     | AS   | 01/09/23 12:08 | WI221025-9  | 30.03  | 13.6   | 42.98 | mg/L  | 98   | 90    | 110   |     |       |      |
| <b>WG558327</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG558327ICV     | ICV  | 01/12/23 11:47 | WI220502-12 | 54.945 |        | 55.27 | mg/L  | 101  | 90    | 110   |     |       |      |
| WG558327ICB     | ICB  | 01/12/23 11:47 |             |        |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG558327LFB1    | LFB  | 01/12/23 11:48 | WI221025-9  | 30.03  |        | 28.71 | mg/L  | 96   | 90    | 110   |     |       |      |
| WG558327LFB2    | LFB  | 01/12/23 12:52 | WI221025-9  | 30.03  |        | 29.5  | mg/L  | 98   | 90    | 110   |     |       |      |
| L77971-04AS     | AS   | 01/12/23 12:57 | WI221025-9  | 30.03  | 1.18   | 29.97 | mg/L  | 96   | 90    | 110   |     |       |      |
| L77971-05DUP    | DUP  | 01/12/23 12:58 |             |        | 1.09   | U     | mg/L  |      |       |       | 200 | 20    | RA   |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG558127</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .05   |        | .05117 | mg/L  | 102  | 90      | 110    |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .0501 |        | .05161 | mg/L  | 103  | 85      | 115    |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .0501 | U      | .04821 | mg/L  | 96   | 70      | 130    |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .0501 | U      | .04769 | mg/L  | 95   | 70      | 130    | 1   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG557680</b> |      |                |           |      |        |       |          |      |       |       |     |       |      |
| WG557680LCSW2   | LCSW | 01/03/23 15:23 | PCN623869 | 1410 |        | 1400  | umhos/cm | 99   | 90    | 110   |     |       |      |
| L77971-07DUP    | DUP  | 01/03/23 18:49 |           |      | 252    | 251   | umhos/cm |      |       |       | 0   | 20    |      |
| WG557680LCSW5   | LCSW | 01/03/23 18:55 | PCN623869 | 1410 |        | 1402  | umhos/cm | 99   | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .05 |        | .05381 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .05 |        | .05216 | mg/L  | 104  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .05 | U      | .04771 | mg/L  | 95   | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .05 | U      | .04732 | mg/L  | 95   | 70       | 130     | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L77971**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual  |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|-------|
| <b>WG557686</b> |      |                |            |       |        |       |       |      |        |       |     |       |       |
| WG557686ICV     | ICV  | 01/03/23 15:40 | WI221229-3 | .3003 |        | .2778 | mg/L  | 93   | 90     | 110   |     |       |       |
| WG557686ICB     | ICB  | 01/03/23 15:40 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |       |
| WG557595LRB     | LRB  | 01/03/23 15:41 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |       |
| WG557595LFB     | LFB  | 01/03/23 15:42 | WI221231-2 | .2    |        | .1963 | mg/L  | 98   | 90     | 110   |     |       |       |
| L77971-06DUP    | DUP  | 01/03/23 16:04 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | M2 RA |
| L77971-07LFM    | LFM  | 01/03/23 16:06 | WI221231-2 | .2    | .0238  | .1849 | mg/L  | 81   | 90     | 110   |     |       | M2    |
| <b>WG559504</b> |      |                |            |       |        |       |       |      |        |       |     |       |       |
| WG559504ICV     | ICV  | 01/31/23 11:56 | WI230123-4 | .3003 |        | .2902 | mg/L  | 97   | 90     | 110   |     |       |       |
| WG559504ICB     | ICB  | 01/31/23 11:57 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |       |
| <b>WG559508</b> |      |                |            |       |        |       |       |      |        |       |     |       |       |
| WG559398LRB     | LRB  | 01/31/23 13:01 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |       |
| WG559398LFB     | LFB  | 01/31/23 13:02 | WI230116-2 | .2    |        | .1813 | mg/L  | 91   | 90     | 110   |     |       |       |
| L78367-06DUP    | DUP  | 01/31/23 13:34 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA    |
| L78368-01LFM    | LFM  | 01/31/23 13:36 | WI230116-2 | .2    | .0118  | .205  | mg/L  | 97   | 90     | 110   |     |       |       |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558345</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG558345ICV     | ICV  | 01/12/23 12:45 | WC230106-1 | 2.008 |        | 1.87  | mg/L  | 93   | 90    | 110   |     |       |      |
| WG558345ICB     | ICB  | 01/12/23 12:53 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG558345LFB1    | LFB  | 01/12/23 13:01 | WC221227-7 | 5.02  |        | 4.57  | mg/L  | 91   | 90    | 110   |     |       |      |
| WG558345LFB2    | LFB  | 01/12/23 17:07 | WC221227-7 | 5.02  |        | 4.75  | mg/L  | 95   | 90    | 110   |     |       |      |
| L77892-01AS     | AS   | 01/12/23 17:15 | WC221227-7 | 5.02  | .58    | 4.66  | mg/L  | 81   | 90    | 110   |     |       | M2   |
| L77892-01ASD    | ASD  | 01/12/23 17:19 | WC221227-7 | 5.02  | .58    | 4.77  | mg/L  | 83   | 90    | 110   | 2   | 20    | M2   |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 2     |        | 1.954 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |       |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | 1.004 |        | 1.014 | mg/L  | 101  | 85    | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | 1.004 | U      | 1.069 | mg/L  | 106  | 85    | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | 1.004 | U      | .891  | mg/L  | 89   | 85    | 115   | 18  | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .05   |        | .05061 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .0501 |        | .0518  | mg/L  | 103  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .0501 | U      | .04982 | mg/L  | 99   | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .0501 | U      | .05114 | mg/L  | 102  | 70       | 130     | 3   | 20    |      |



**Ouray Silver Mines**

ACZ Project ID: **L77971**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 100      |        | 98.83 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |          |        | .32   | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | 49.99676 |        | 48.32 | mg/L  | 97   | 85    | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | 49.99676 | 2.43   | 51.53 | mg/L  | 98   | 85    | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | 49.99676 | 2.43   | 53.24 | mg/L  | 102  | 85    | 115   | 3   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558774</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG558774ICV     | ICV  | 01/18/23 22:10 | II230106-2 | 2     |        | 1.985 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG558774ICB     | ICB  | 01/18/23 22:16 |            |       |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG558774LFB     | LFB  | 01/18/23 22:29 | II230103-5 | .499  |        | .511  | mg/L  | 102  | 85    | 115   |     |       |      |
| L77930-01AS     | AS   | 01/18/23 22:36 | II230103-5 | 2.495 | .088   | 2.618 | mg/L  | 101  | 85    | 115   |     |       |      |
| L77930-01ASD    | ASD  | 01/18/23 22:39 | II230103-5 | 2.495 | .088   | 2.722 | mg/L  | 106  | 85    | 115   | 4   | 20    |      |
| L77971-06AS     | AS   | 01/18/23 23:33 | II230103-5 | .499  | U      | .524  | mg/L  | 105  | 85    | 115   |     |       |      |
| L77971-06ASD    | ASD  | 01/18/23 23:37 | II230103-5 | .499  | U      | .513  | mg/L  | 103  | 85    | 115   | 2   | 20    |      |

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558009</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG558009ICV     | ICV  | 01/09/23 12:16 | HG230103-3 | .005005 |        | .0051  | mg/L  | 102  | 95       | 105     |     |       |      |
| WG558009ICB     | ICB  | 01/09/23 12:17 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG558009LRB     | LRB  | 01/09/23 12:19 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| L77971-01LFM    | LFM  | 01/09/23 12:38 | HG230103-6 | .002002 | U      | .00185 | mg/L  | 92   | 85       | 115     |     |       |      |
| L77971-01LFMD   | LFMD | 01/09/23 12:41 | HG230103-6 | .002002 | U      | .0019  | mg/L  | 95   | 85       | 115     | 3   | 20    |      |
| WG558009LFB     | LFB  | 01/09/23 13:43 | HG230103-6 | .002002 |        | .00179 | mg/L  | 89   | 85       | 115     |     |       |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .02    |        | .02035 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .05005 |        | .0519  | mg/L  | 104  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .05005 | .00091 | .05071 | mg/L  | 100  | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .05005 | .00091 | .05179 | mg/L  | 102  | 70       | 130     | 2   | 20    |      |

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG558774</b> |      |                |            |      |        |        |       |      |        |       |     |       |      |
| WG558774ICV     | ICV  | 01/18/23 22:10 | II230106-2 | 2    |        | 1.9565 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG558774ICB     | ICB  | 01/18/23 22:16 |            |      |        | U      | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG558774LFB     | LFB  | 01/18/23 22:29 | II230103-5 | .502 |        | .5036  | mg/L  | 100  | 85     | 115   |     |       |      |
| L77930-01AS     | AS   | 01/18/23 22:36 | II230103-5 | 2.51 | U      | 2.5645 | mg/L  | 102  | 85     | 115   |     |       |      |
| L77930-01ASD    | ASD  | 01/18/23 22:39 | II230103-5 | 2.51 | U      | 2.6545 | mg/L  | 106  | 85     | 115   | 3   | 20    |      |
| L77971-06AS     | AS   | 01/18/23 23:33 | II230103-5 | .502 | U      | .5089  | mg/L  | 101  | 85     | 115   |     |       |      |
| L77971-06ASD    | ASD  | 01/18/23 23:37 | II230103-5 | .502 | U      | .5011  | mg/L  | 100  | 85     | 115   | 2   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L77971**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557981</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557981ICV     | ICV  | 01/06/23 23:38 | WI221206-7 | 2.416 |        | 2.36  | mg/L  | 98   | 90    | 110   |     |       |      |
| WG557981ICB     | ICB  | 01/06/23 23:39 |            |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG557986</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557986LFB     | LFB  | 01/07/23 2:39  | WI220826-7 | 2     |        | 1.956 | mg/L  | 98   | 90    | 110   |     |       |      |
| L77809-01AS     | AS   | 01/07/23 2:42  | WI220826-7 | 2     | .059   | 2.148 | mg/L  | 104  | 90    | 110   |     |       |      |
| L77809-02DUP    | DUP  | 01/07/23 2:44  |            |       | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L77971-04AS     | AS   | 01/07/23 3:01  | WI220826-7 | 2     | .159   | 2.217 | mg/L  | 103  | 90    | 110   |     |       |      |
| L77971-05DUP    | DUP  | 01/07/23 3:04  |            |       | .171   | .172  | mg/L  |      |       |       | 1   | 20    | RA   |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557680</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG557680LCSW1   | LCSW | 01/03/23 15:21 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L77971-07DUP    | DUP  | 01/03/23 18:49 |          |    | 6.5    | 6.5   | units |      |       |       | 0   | 20    |      |
| WG557680LCSW4   | LCSW | 01/03/23 18:53 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558313</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG558313ICV     | ICV  | 01/12/23 9:26  | WI221216-17 | .65228 |        | .6    | mg/L  | 92   | 90    | 110   |     |       |      |
| WG558313ICB     | ICB  | 01/12/23 9:28  |             |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| <b>WG558315</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG557671LRB     | LRB  | 01/12/23 9:47  |             |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG557671LFB     | LFB  | 01/12/23 9:48  | WI230111-3  | .5     |        | .51   | mg/L  | 102  | 90    | 110   |     |       |      |
| L77971-01LFM    | LFM  | 01/12/23 10:00 | WI230111-3  | .5     | U      | .519  | mg/L  | 104  | 90    | 110   |     |       |      |
| L77971-03DUP    | DUP  | 01/12/23 10:04 |             |        | .024   | .025  | mg/L  |      |       |       | 4   | 20    | RA   |
| L77971-05LFM    | LFM  | 01/12/23 10:07 | WI230111-3  | .5     | U      | .502  | mg/L  | 100  | 90    | 110   |     |       |      |
| L77971-07DUP    | DUP  | 01/12/23 10:10 |             |        | .011   | .013  | mg/L  |      |       |       | 17  | 20    | RA   |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 20       |        | 19.84 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |          |        | .22   | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | 99.95798 |        | 96.83 | mg/L  | 97   | 85    | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | 99.95798 | .77    | 101.1 | mg/L  | 100  | 85    | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | 99.95798 | .77    | 104.6 | mg/L  | 104  | 85    | 115   | 3   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557689</b> |      |                |           |      |        |       |       |      |       |       |     |       |      |
| WG557689PBW     | PBW  | 01/03/23 15:39 |           |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG557689LCSW    | LCSW | 01/03/23 15:41 | PCN623966 | 1000 |        | 974   | mg/L  | 97   | 80    | 120   |     |       |      |
| L77971-07DUP    | DUP  | 01/03/23 16:39 |           |      | 152    | 154   | mg/L  |      |       |       | 1   | 10    | RA   |

**Ouray Silver Mines**

ACZ Project ID: **L77971**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558082</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG558082PBW     | PBW  | 01/09/23 16:18 |           |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG558082LCSW    | LCSW | 01/09/23 16:19 | PCN623965 | 100 |        | 115   | mg/L  | 115  | 80    | 120   |     |       |      |
| L77988-04DUP    | DUP  | 01/09/23 16:40 |           |     | U      | 5     | mg/L  |      |       |       | 200 | 10    | RA   |

**Selenium, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .05    |        | .04814 | mg/L  | 96   | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .05005 |        | .05183 | mg/L  | 104  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .05005 | .00029 | .0517  | mg/L  | 103  | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .05005 | .00029 | .05119 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**Silica, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 42.8   |        | 42.78 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | 21.428 |        | 21.43 | mg/L  | 100  | 85    | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | 21.428 | 4.9    | 28.92 | mg/L  | 112  | 85    | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | 21.428 | 4.9    | 24.77 | mg/L  | 93   | 85    | 115   | 15  | 20    |      |

**Silver, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .02    |        | .02121 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .01001 |        | .01025 | mg/L  | 102  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .01001 | U      | .00959 | mg/L  | 96   | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .01001 | U      | .00978 | mg/L  | 98   | 70       | 130     | 2   | 20    |      |

**Sodium, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 100      |        | 98.98 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | 100.0023 |        | 95.35 | mg/L  | 95   | 85    | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | 100.0023 | 3.57   | 102.9 | mg/L  | 99   | 85    | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | 100.0023 | 3.57   | 107   | mg/L  | 103  | 85    | 115   | 4   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L77971**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558207</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG558207ICB     | ICB  | 01/11/23 10:37 |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG558207ICV     | ICV  | 01/11/23 10:37 | WI230104-2 | 19.54 |        | 19.7  | mg/L  | 101  | 90    | 110   |     |       |      |
| WG558207LFB     | LFB  | 01/11/23 14:00 | WI220830-3 | 10    |        | 10.3  | mg/L  | 103  | 90    | 110   |     |       |      |
| L77810-07DUP    | DUP  | 01/11/23 14:23 |            |       | 162    | 163.1 | mg/L  |      |       |       | 1   | 20    |      |
| L77847-01AS     | AS   | 01/11/23 14:41 | SO4TURB50X | 10    | 940    | 969.2 | mg/L  | 292  | 90    | 110   |     |       | M3   |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .05 |        | .05157 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .05 |        | .05244 | mg/L  | 105  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .05 | U      | .05057 | mg/L  | 101  | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .05 | U      | .05208 | mg/L  | 104  | 70       | 130     | 3   | 20    |      |

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG558127</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG558127ICV     | ICV  | 01/10/23 18:33 | MS221228-3 | .05 |        | .05083 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG558127ICB     | ICB  | 01/10/23 18:35 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG558127LFB     | LFB  | 01/10/23 18:37 | MS221228-8 | .05 |        | .05192 | mg/L  | 104  | 85       | 115     |     |       |      |
| L77971-05AS     | AS   | 01/10/23 19:22 | MS221228-8 | .05 | U      | .05043 | mg/L  | 101  | 70       | 130     |     |       |      |
| L77971-05ASD    | ASD  | 01/10/23 19:24 | MS221228-8 | .05 | U      | .05152 | mg/L  | 103  | 70       | 130     | 2   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG558774</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG558774ICV     | ICV  | 01/18/23 22:10 | II230106-2 | 2      |        | 2.056 | mg/L  | 103  | 95     | 105   |     |       |      |
| WG558774ICB     | ICB  | 01/18/23 22:16 |            |        |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG558774LFB     | LFB  | 01/18/23 22:29 | II230103-5 | .5005  |        | .5133 | mg/L  | 103  | 85     | 115   |     |       |      |
| L77930-01AS     | AS   | 01/18/23 22:36 | II230103-5 | 2.5025 | U      | 2.877 | mg/L  | 115  | 85     | 115   |     |       |      |
| L77930-01ASD    | ASD  | 01/18/23 22:39 | II230103-5 | 2.5025 | U      | 2.559 | mg/L  | 102  | 85     | 115   | 12  | 20    |      |
| L77971-06AS     | AS   | 01/18/23 23:33 | II230103-5 | .5005  | U      | .5292 | mg/L  | 106  | 85     | 115   |     |       |      |
| L77971-06ASD    | ASD  | 01/18/23 23:37 | II230103-5 | .5005  | U      | .516  | mg/L  | 103  | 85     | 115   | 3   | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558643</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG558643ICV     | ICV  | 01/17/23 14:04 | II230106-2 | 2      |        | 1.948 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG558643ICB     | ICB  | 01/17/23 14:10 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG558643LFB     | LFB  | 01/17/23 14:22 | II230103-5 | .50045 |        | .498  | mg/L  | 100  | 85    | 115   |     |       |      |
| L77971-07AS     | AS   | 01/17/23 15:43 | II230103-5 | .50045 | .198   | .69   | mg/L  | 98   | 85    | 115   |     |       |      |
| L77971-07ASD    | ASD  | 01/17/23 15:46 | II230103-5 | .50045 | .198   | .716  | mg/L  | 104  | 85    | 115   | 4   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L77971**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                            | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77971-01 | WG557680 | Bicarbonate as CaCO <sub>3</sub>    | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | Carbonate as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558028 | Chloride                            | SM4500CI-E                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500CI-E                                        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | Conductivity @25C                   | SM2510B                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557686 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation             | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG558345 | Fluoride                            | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557680 | Hydroxide as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557986 | Nitrate/Nitrite as N                | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | pH                                  | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | pH measured at                      | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558315 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)              | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557689 | Residue, Filterable (TDS) @180C     | SM2540C                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540C                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2540C                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG558082 | Residue, Non-Filterable (TSS) @105C | SM2540D                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540D                                           | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |          |                                     | SM2540D                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2540D                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                                           | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG558207 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC                   | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557680 | Total Alkalinity                    | SM2320B - Titration                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |

**Ouray Silver Mines**ACZ Project ID: **L77971**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                            | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77971-02 | WG557680 | Bicarbonate as CaCO <sub>3</sub>    | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | Carbonate as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558028 | Chloride                            | SM4500CI-E                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500CI-E                                        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | Conductivity @25C                   | SM2510B                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG559508 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation             | C5   | Confirmatory analysis was past holding time. Original result not confirmed.                                                                                                                           |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG558345 | Fluoride                            | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557680 | Hydroxide as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557986 | Nitrate/Nitrite as N                | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | pH                                  | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | pH measured at                      | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558315 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)              | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557689 | Residue, Filterable (TDS) @180C     | SM2540C                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540C                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2540C                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG558082 | Residue, Non-Filterable (TSS) @105C | SM2540D                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540D                                           | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |          |                                     | SM2540D                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2540D                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                                           | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG558207 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC                   | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557680 | Total Alkalinity                    | SM2320B - Titration                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |

**Ouray Silver Mines**ACZ Project ID: **L77971**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                            | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77971-03 | WG557680 | Bicarbonate as CaCO <sub>3</sub>    | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | Carbonate as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558028 | Chloride                            | SM4500CI-E                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500CI-E                                        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | Conductivity @25C                   | SM2510B                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG559508 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation             | C5   | Confirmatory analysis was past holding time. Original result not confirmed.                                                                                                                           |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG558345 | Fluoride                            | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557680 | Hydroxide as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557986 | Nitrate/Nitrite as N                | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | pH                                  | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | pH measured at                      | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558315 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)              | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557689 | Residue, Filterable (TDS) @180C     | SM2540C                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540C                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2540C                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG558082 | Residue, Non-Filterable (TSS) @105C | SM2540C                                           | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           |          |                                     | SM2540D                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540D                                           | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |          |                                     | SM2540D                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558207 | Sulfate                             | SM2540D                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG557680 | Total Alkalinity                    | D516-02/-07/-11 - TURBIDIMETRIC                   | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2320B - Titration                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |



**Ouray Silver Mines**ACZ Project ID: **L77971**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                            | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77971-04 | WG557680 | Bicarbonate as CaCO <sub>3</sub>    | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | Carbonate as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558327 | Chloride                            | SM4500CI-E                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500CI-E                                        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | Conductivity @25C                   | SM2510B                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557686 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation             | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG558345 | Fluoride                            | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557680 | Hydroxide as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557986 | Nitrate/Nitrite as N                | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | pH                                  | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | pH measured at                      | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558315 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)              | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557689 | Residue, Filterable (TDS) @180C     | SM2540C                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540C                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2540C                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG558082 | Residue, Non-Filterable (TSS) @105C | SM2540D                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540D                                           | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |          |                                     | SM2540D                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2540D                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                                           | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG558207 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC                   | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557680 | Total Alkalinity                    | SM2320B - Titration                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |



**Ouray Silver Mines**

ACZ Project ID: **L77971**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                            | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77971-05 | WG557680 | Bicarbonate as CaCO <sub>3</sub>    | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | Carbonate as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558327 | Chloride                            | SM4500CI-E                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500CI-E                                        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | Conductivity @25C                   | SM2510B                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557686 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation             | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG558345 | Fluoride                            | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557680 | Hydroxide as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557986 | Nitrate/Nitrite as N                | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557680 | pH                                  | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          | pH measured at                      | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG558315 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)              | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG557689 | Residue, Filterable (TDS) @180C     | SM2540C                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540C                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2540C                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG558082 | Residue, Non-Filterable (TSS) @105C | SM2540D                                           | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|           |          |                                     | SM2540D                                           | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |          |                                     | SM2540D                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           |          |                                     | SM2540D                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                                           | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG558207 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC                   | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |
|           | WG557680 | Total Alkalinity                    | SM2320B - Titration                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                              |
|           |          |                                     | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                    |

**Ouray Silver Mines**ACZ Project ID: **L77971**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                            | QUAL | DESCRIPTION                                                                                                                                                                                                         |
|-----------|----------|-------------------------------------|---------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77971-06 | WG557680 | Bicarbonate as CaCO <sub>3</sub>    | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          | Carbonate as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG558327 | Chloride                            | SM4500CI-E                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | SM4500CI-E                                        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG557680 | Conductivity @25C                   | SM2510B                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG557686 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                                           |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG558345 | Fluoride                            | SM4500F-C                                         | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                                           |
|           |          |                                     | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG557680 | Hydroxide as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG557986 | Nitrate/Nitrite as N                | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG557680 | pH<br>pH measured at                | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG558315 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)              | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG557689 | Residue, Filterable (TDS) @180C     | SM2540C                                           | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                                            |
|           |          |                                     | SM2540C                                           | HE   | Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions). |
|           |          |                                     | SM2540C                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | SM2540C                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG558082 | Residue, Non-Filterable (TSS) @105C | SM2540D                                           | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                                         |
|           |          |                                     | SM2540D                                           | HE   | Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions). |
|           |          |                                     | SM2540D                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | SM2540D                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG558207 | Sulfate                             | SM2540D                                           | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                                    |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.               |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG557680 | Total Alkalinity                    | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |

**Ouray Silver Mines**

ACZ Project ID: **L77971**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                            | QUAL | DESCRIPTION                                                                                                                                                                                                         |
|-----------|----------|-------------------------------------|---------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77971-07 | WG557680 | Bicarbonate as CaCO <sub>3</sub>    | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          | Carbonate as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG558327 | Chloride                            | SM4500CI-E                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | SM4500CI-E                                        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG557680 | Conductivity @25C                   | SM2510B                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG559508 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation             | C5   | Confirmatory analysis was past holding time. Original result not confirmed.                                                                                                                                         |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           |          |                                     | M335.4 - Colorimetric w/ distillation             | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG558345 | Fluoride                            | SM4500F-C                                         | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                                           |
|           |          |                                     | SM4500F-C                                         | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG557680 | Hydroxide as CaCO <sub>3</sub>      | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG557986 | Nitrate/Nitrite as N                | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG557680 | pH<br>pH measured at                | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | SM4500H+ B                                        | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG558315 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)              | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG557689 | Residue, Filterable (TDS) @180C     | SM2540C                                           | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                                                            |
|           |          |                                     | SM2540C                                           | HE   | Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions). |
|           |          |                                     | SM2540C                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | SM2540C                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG558082 | Residue, Non-Filterable (TSS) @105C | SM2540D                                           | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                                         |
|           |          |                                     | SM2540D                                           | HE   | Analysis performed past holding time. Method holding time is less than or equal to 7 days and sample was received with less than half of the holding time remaining (refer to item C5 of ACZ's Terms & Conditions). |
|           |          |                                     | SM2540D                                           | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           |          |                                     | SM2540D                                           | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                               |
|           | WG558207 | Sulfate                             | SM2540D                                           | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                                    |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.               |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC                   | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |
|           | WG557680 | Total Alkalinity                    | SM2320B - Titration                               | Q6   | Sample was received above recommended temperature.                                                                                                                                                                  |

**Ouray Silver Mines**

ACZ Project ID: **L77971**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L77971

Date Received: 12/27/2022 13:42

Received By:

Date Printed: 1/3/2023

### Receipt Verification

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

### Samples/Containers

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Some parameters were received past hold time.

Some parameters were received past hold time.

NA indicates Not Applicable

### Chain of Custody Related Remarks

### Client Contact Remarks

### Shipping Containers

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| UNKNOWN   |           | <=6.0                 |             |                         |
| 6943      | 11.4      | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Ouray Silver Mines

ACZ Project ID: L77971

Date Received: 12/27/2022 13:42

Received By:

Date Printed: 1/3/2023

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



**Laboratories, Inc.**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

# CHAIN of CUSTODY

## Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: tjesse@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 720-460-7557

## Copy of Report to:

Name:  
Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com  
Telephone: 970-325-9830

## Invoice to:

Name: Don Cordsen  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Ouray, CO 81427  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mst

\*Sampler's Signature: *Todd Jesse*

I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

## PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

| Quote # | PO# | Reporting state for compliance testing: | Check box if samples include NRC licensed material? | SAMPLE IDENTIFICATION | DATE:TIME        | Matrix | # of Containers | GW                                  |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|---------|-----|-----------------------------------------|-----------------------------------------------------|-----------------------|------------------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| GW      |     |                                         | <input type="checkbox"/>                            | GW-1B                 | 12/15/22 : 09:58 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         |     |                                         |                                                     | GW-99                 | 12/15/22 : 09:58 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         |     |                                         |                                                     | GW-0                  | 12/15/22 : 13:26 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         |     |                                         |                                                     | GW-2A                 | 12/15/22 : 13:51 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         |     |                                         |                                                     | GW-2B                 | 12/15/22 : 14:08 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         |     |                                         |                                                     | GW-3B                 | 12/20/22 : 13:56 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         |     |                                         |                                                     | GW-3R                 | 12/20/22 : 14:51 | GW     | 5               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         |     |                                         |                                                     |                       |                  |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         |     |                                         |                                                     |                       |                  |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|         |     |                                         |                                                     |                       |                  |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

## REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

*Todd Jesse* 12/21/22 : 12:01 *TJ* 12/30/22  
1342

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

L77971 Chain of Custody

June 23, 2022

## Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

## Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

## Project ID:

ACZ Project ID: L73514

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 27, 2022. This project has been assigned to ACZ's project number, L73514. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L73514. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 23, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.





**Ouray Silver Mines**

Project ID:

Sample ID: HG TRIP BLANK

ACZ Sample ID: **L73514-01**

Date Sampled: 05/26/22 12:00

Date Received: 05/27/22

Sample Matrix: Surface Water

## Metals Analysis

| Parameter      | EPA Method                  | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|----------------|-----------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Mercury, total | M1631E, Atomic Fluorescence | 1        | <0.3   | U    |    | ng/L  | 0.3 | 1   | 06/06/22 10:37 | mlh     |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-21

ACZ Sample ID: **L73514-02**

Date Sampled: 05/26/22 08:10

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 13:48 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/06/22 17:33 | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0185   |      |    | mg/L  | 0.005   | 0.015   | 06/08/22 10:45 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.211    |      | *  | mg/L  | 0.005   | 0.015   | 06/09/22 17:40 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00085  | B    |    | mg/L  | 0.0002  | 0.001   | 06/08/22 10:45 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00142  |      |    | mg/L  | 0.0002  | 0.001   | 06/09/22 17:40 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000349 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 10:45 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000392 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 14:54 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 21.0     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 20:43 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00080  | B    |    | mg/L  | 0.0008  | 0.002   | 06/08/22 10:45 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | 0.0095   | B    | *  | mg/L  | 0.007   | 0.02    | 06/08/22 10:45 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.151    |      | *  | mg/L  | 0.007   | 0.02    | 06/09/22 17:40 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00035  | B    |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 10:45 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00411  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 14:54 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.63     |      |    | mg/L  | 0.2     | 1       | 06/13/22 20:43 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.059    |      |    | mg/L  | 0.01    | 0.05    | 06/13/22 20:43 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 1.23     |      |    | ng/L  | 0.3     | 1       | 06/06/22 10:42 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.36     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 20:43 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:32 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.55     |      |    | mg/L  | 0.2     | 1       | 06/13/22 20:43 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.111    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 20:43 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-21

ACZ Sample ID: **L73514-02**

Date Sampled: 05/26/22 08:10

Date Received: 05/27/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 29.8   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 29.8   |      | *  | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.7    | B    | *  | mg/L  | 1    | 5    | 06/08/22 3:17  | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -3.7   |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.4    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.3    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 0.60   | B    | *  | mg/L  | 0.5  | 2    | 06/04/22 10:50 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.39   |      | *  | mg/L  | 0.15 | 0.35 | 06/06/22 19:52 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 59     |      |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.263  |      | *  | mg/L  | 0.02 | 0.1  | 06/04/22 3:46  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 92     |      | *  | mg/L  | 20   | 40   | 06/01/22 15:50 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 06/03/22 17:45 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 34.4   |      |    | mg/L  | 1    | 5    | 06/01/22 14:35 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 78.3   |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.17   |      |    |       |      |      | 06/23/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-16

ACZ Sample ID: **L73514-03**

Date Sampled: 05/26/22 11:14

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 13:59 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/06/22 18:18 | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0146   | B    |    | mg/L  | 0.005   | 0.015   | 06/08/22 10:46 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0489   |      | *  | mg/L  | 0.005   | 0.015   | 06/09/22 17:42 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00077  | B    |    | mg/L  | 0.0002  | 0.001   | 06/08/22 10:46 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00109  |      |    | mg/L  | 0.0002  | 0.001   | 06/09/22 17:42 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000322 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 10:46 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000320 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 14:56 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 18.4     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 20:46 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00107  | B    |    | mg/L  | 0.0008  | 0.002   | 06/08/22 10:46 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 06/08/22 10:46 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.0309   |      | *  | mg/L  | 0.007   | 0.02    | 06/09/22 17:42 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00046  | B    |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 10:46 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00207  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 14:56 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.71     |      |    | mg/L  | 0.2     | 1       | 06/13/22 20:46 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.060    |      |    | mg/L  | 0.01    | 0.05    | 06/13/22 20:46 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.68     | B    |    | ng/L  | 0.3     | 1       | 06/09/22 9:14  | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.36     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 20:46 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:33 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.26     |      |    | mg/L  | 0.2     | 1       | 06/13/22 20:46 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.081    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 20:46 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-16

ACZ Sample ID: **L73514-03**

Date Sampled: 05/26/22 11:14

Date Received: 05/27/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 26.8   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 26.8   |      | *  | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.4    | B    | *  | mg/L  | 1    | 5    | 06/16/22 18:37 | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -4.3   |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.2    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.1    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 0.59   | B    | *  | mg/L  | 0.5  | 2    | 06/04/22 10:51 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.25   | B    | *  | mg/L  | 0.15 | 0.35 | 06/06/22 19:56 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 53.0   |      |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.166  |      | *  | mg/L  | 0.02 | 0.1  | 06/04/22 3:49  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 84     |      | *  | mg/L  | 20   | 40   | 06/01/22 15:53 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 06/03/22 17:48 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 32.1   |      |    | mg/L  | 1    | 5    | 06/01/22 14:35 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 71.2   |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.18   |      |    |       |      |      | 06/23/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-99

ACZ Sample ID: **L73514-04**

Date Sampled: 05/26/22 11:55

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 14:09 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/06/22 19:03 | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0164   |      |    | mg/L  | 0.005   | 0.015   | 06/08/22 10:48 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.147    |      | *  | mg/L  | 0.005   | 0.015   | 06/09/22 17:43 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00079  | B    |    | mg/L  | 0.0002  | 0.001   | 06/08/22 10:48 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00160  |      |    | mg/L  | 0.0002  | 0.001   | 06/09/22 17:43 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000308 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 10:48 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000306 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 14:58 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 17.4     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 20:56 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00115  | B    |    | mg/L  | 0.0008  | 0.002   | 06/08/22 10:48 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 06/08/22 10:48 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.125    |      | *  | mg/L  | 0.007   | 0.02    | 06/09/22 17:43 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00050  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 10:48 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00525  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 14:58 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.63     |      |    | mg/L  | 0.2     | 1       | 06/13/22 20:56 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.063    |      |    | mg/L  | 0.01    | 0.05    | 06/13/22 20:56 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.88     | B    |    | ng/L  | 0.3     | 1       | 06/09/22 9:19  | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.36     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 20:56 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:35 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.24     |      |    | mg/L  | 0.2     | 1       | 06/13/22 20:56 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.068    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 20:56 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-99

ACZ Sample ID: **L73514-04**

Date Sampled: 05/26/22 11:55

Date Received: 05/27/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 28.1   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 28.1   |      | *  | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.4    | B    | *  | mg/L  | 1    | 5    | 06/16/22 18:49 | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -4.3   |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.2    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.1    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <0.5   | U    | *  | mg/L  | 0.5  | 2    | 06/04/22 10:53 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.19   | B    | *  | mg/L  | 0.15 | 0.35 | 06/06/22 19:59 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 50     |      |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.097  | B    | *  | mg/L  | 0.02 | 0.1  | 06/04/22 3:51  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 82     |      | *  | mg/L  | 20   | 40   | 06/01/22 15:55 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 06/03/22 17:50 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 29.0   |      |    | mg/L  | 1    | 5    | 06/01/22 14:37 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 67.1   |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.22   |      |    |       |      |      | 06/23/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-15

ACZ Sample ID: **L73514-05**

Date Sampled: 05/26/22 11:54

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 14:20 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/06/22 19:48 | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0164   |      |    | mg/L  | 0.005   | 0.015   | 06/08/22 10:57 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.218    |      | *  | mg/L  | 0.005   | 0.015   | 06/09/22 17:45 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00081  | B    |    | mg/L  | 0.0002  | 0.001   | 06/08/22 10:57 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00212  |      |    | mg/L  | 0.0002  | 0.001   | 06/09/22 17:45 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000319 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 10:57 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000324 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 15:00 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 17.2     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 20:59 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00115  | B    |    | mg/L  | 0.0008  | 0.002   | 06/08/22 10:57 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | 0.0073   | B    | *  | mg/L  | 0.007   | 0.02    | 06/08/22 10:57 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.187    |      | *  | mg/L  | 0.007   | 0.02    | 06/09/22 17:45 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00052  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 10:57 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00733  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 15:00 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.62     |      |    | mg/L  | 0.2     | 1       | 06/13/22 20:59 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.062    |      |    | mg/L  | 0.01    | 0.05    | 06/13/22 20:59 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.81     | B    |    | ng/L  | 0.3     | 1       | 06/09/22 9:24  | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.35     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 20:59 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:37 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.22     |      |    | mg/L  | 0.2     | 1       | 06/13/22 20:59 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.067    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 20:59 | aeH     |



**Ouray Silver Mines**

Project ID:

Sample ID: SW-15

ACZ Sample ID: **L73514-05**

Date Sampled: 05/26/22 11:54

Date Received: 05/27/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 28.4   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 28.4   |      | *  | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.3    | B    | *  | mg/L  | 1    | 5    | 06/16/22 19:11 | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -4.3   |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.2    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.1    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <0.5   | U    | *  | mg/L  | 0.5  | 2    | 06/04/22 10:53 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.16   | B    | *  | mg/L  | 0.15 | 0.35 | 06/06/22 20:04 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 50     |      |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.095  | B    | *  | mg/L  | 0.02 | 0.1  | 06/04/22 3:52  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 76     |      | *  | mg/L  | 20   | 40   | 06/01/22 15:58 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 06/03/22 17:53 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 29.1   |      |    | mg/L  | 1    | 5    | 06/01/22 14:37 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 67.1   |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.13   |      |    |       |      |      | 06/23/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-17

ACZ Sample ID: **L73514-06**

Date Sampled: 05/26/22 13:25

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 14:30 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/06/22 22:03 | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0137   | B    |    | mg/L  | 0.005   | 0.015   | 06/08/22 10:59 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0981   |      | *  | mg/L  | 0.005   | 0.015   | 06/09/22 17:51 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00040  | B    |    | mg/L  | 0.0002  | 0.001   | 06/08/22 10:59 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00104  |      |    | mg/L  | 0.0002  | 0.001   | 06/09/22 17:51 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000051 | B    |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 10:59 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000053 | B    |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 15:02 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 15.3     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 21:02 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/08/22 10:59 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 06/08/22 10:59 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.103    |      | *  | mg/L  | 0.007   | 0.02    | 06/09/22 17:51 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 10:59 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00121  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 15:02 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.49     |      |    | mg/L  | 0.2     | 1       | 06/13/22 21:02 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/13/22 21:02 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.91     | B    |    | ng/L  | 0.3     | 1       | 06/09/22 9:38  | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.28     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 21:02 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:39 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 0.79     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 21:02 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05    | 06/13/22 21:02 | aeH     |

### Ouray Silver Mines

Project ID:

Sample ID: SW-17

ACZ Sample ID: **L73514-06**

Date Sampled: 05/26/22 13:25

Date Received: 05/27/22

Sample Matrix: Surface Water

#### Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 27.3   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 27.3   |      | *  | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.4    | B    | *  | mg/L  | 1    | 5    | 06/16/22 19:39 | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -8.3   |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.1    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 0.931  |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <0.5   | U    | *  | mg/L  | 0.5  | 2    | 06/04/22 10:54 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    | *  | mg/L  | 0.15 | 0.35 | 06/06/22 20:07 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 44     |      |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.123  |      | *  | mg/L  | 0.02 | 0.1  | 06/04/22 3:54  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 66     |      | *  | mg/L  | 20   | 40   | 06/01/22 16:00 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | 7.0    | BH   | *  | mg/L  | 5    | 20   | 06/03/22 17:56 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 25.9   |      |    | mg/L  | 1    | 5    | 06/01/22 14:37 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 60.4   |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.09   |      |    |       |      |      | 06/23/22 0:00  | calc    |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L73514**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO<sub>3</sub>**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543891</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG543891PBW1    | PBW  | 06/08/22 14:06 |            |          |        | 10.4  | mg/L  |      | -20   | 20    |     |       |      |
| WG543891LCSW2   | LCSW | 06/08/22 14:24 | WC220601-2 | 820.0001 |        | 787.6 | mg/L  | 96   | 90    | 110   |     |       |      |
| WG543891LCSW4   | LCSW | 06/08/22 17:13 | WC220601-2 | 820.0001 |        | 797.7 | mg/L  | 97   | 90    | 110   |     |       |      |
| WG543891PBW2    | PBW  | 06/08/22 17:19 |            |          |        | 5.7   | mg/L  |      | -20   | 20    |     |       |      |
| L73622-03DUP    | DUP  | 06/08/22 18:31 |            |          | 2.4    | U     | mg/L  |      |       |       | 200 | 20    | RA   |
| WG543891LCSW6   | LCSW | 06/08/22 18:48 | WC220601-2 | 820.0001 |        | 797.4 | mg/L  | 97   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG543804</b> |      |                |             |         |        |       |       |      |        |       |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .1      |        | .1012 | mg/L  | 101  | 90     | 110   |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .050065 |        | .053  | mg/L  | 106  | 85     | 115   |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .050065 | .0164  | .0705 | mg/L  | 108  | 70     | 130   |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .050065 | .0164  | .0702 | mg/L  | 107  | 70     | 130   | 0   | 20    |      |

**Aluminum, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG544031</b> |      |                |             |         |        |       |       |      |        |       |     |       |      |
| WG544031ICV     | ICV  | 06/09/22 17:32 | MS220502-1  | .1      |        | .1035 | mg/L  | 104  | 90     | 110   |     |       |      |
| WG544031ICB     | ICB  | 06/09/22 17:34 |             |         |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG543702LRB     | LRB  | 06/09/22 17:36 |             |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG543702LFB     | LFB  | 06/09/22 17:38 | MS220601-10 | .050065 |        | .0485 | mg/L  | 97   | 85     | 115   |     |       |      |
| L73514-05LFM    | LFM  | 06/09/22 17:47 | MS220601-10 | .050065 | .218   | .2365 | mg/L  | 37   | 70     | 130   |     |       | M3   |
| L73514-05LFMD   | LFMD | 06/09/22 17:49 | MS220601-10 | .050065 | .218   | .2281 | mg/L  | 20   | 70     | 130   | 4   | 20    | M3   |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543804</b> |      |                |             |        |        |        |       |      |          |         |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .05    |        | .05111 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .05005 |        | .05364 | mg/L  | 107  | 85       | 115     |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .05005 | .00079 | .05677 | mg/L  | 112  | 70       | 130     |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .05005 | .00079 | .05618 | mg/L  | 111  | 70       | 130     | 1   | 20    |      |

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544031</b> |      |                |             |        |        |        |       |      |          |         |     |       |      |
| WG544031ICV     | ICV  | 06/09/22 17:32 | MS220502-1  | .05    |        | .0491  | mg/L  | 98   | 90       | 110     |     |       |      |
| WG544031ICB     | ICB  | 06/09/22 17:34 |             |        |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG543702LRB     | LRB  | 06/09/22 17:36 |             |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543702LFB     | LFB  | 06/09/22 17:38 | MS220601-10 | .05005 |        | .04685 | mg/L  | 94   | 85       | 115     |     |       |      |
| L73514-05LFM    | LFM  | 06/09/22 17:47 | MS220601-10 | .05005 | .00212 | .05154 | mg/L  | 99   | 70       | 130     |     |       |      |
| L73514-05LFMD   | LFMD | 06/09/22 17:49 | MS220601-10 | .05005 | .00212 | .04625 | mg/L  | 88   | 70       | 130     | 11  | 20    |      |

**OURAYS**

ACZ Project ID: **L73514**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG543804</b> |      |                |             |        |         |         |       |      |          |         |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .05    |         | .05171  | mg/L  | 103  | 90       | 110     |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .05005 |         | .052482 | mg/L  | 105  | 85       | 115     |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .05005 | .000308 | .054385 | mg/L  | 108  | 70       | 130     |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .05005 | .000308 | .054133 | mg/L  | 108  | 70       | 130     | 0   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG543876</b> |      |                |             |        |        |         |       |      |          |         |     |       |      |
| WG543876ICV     | ICV  | 06/08/22 14:16 | MS220502-1  | .05    |        | .052009 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG543876ICB     | ICB  | 06/08/22 14:18 |             |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG543722LRB     | LRB  | 06/08/22 14:21 |             |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG543722LFB     | LFB  | 06/08/22 14:23 | MS220601-10 | .05005 |        | .048328 | mg/L  | 97   | 85       | 115     |     |       |      |
| L73515-02LFM    | LFM  | 06/08/22 15:13 | MS220601-10 | .05005 | .00118 | .05111  | mg/L  | 100  | 70       | 130     |     |       |      |
| L73515-02LFMD   | LFMD | 06/08/22 15:15 | MS220601-10 | .05005 | .00118 | .048857 | mg/L  | 95   | 70       | 130     | 5   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |         |        |        |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 100     |        | 100.06 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |         |        | U      | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | 67.9908 |        | 70.35  | mg/L  | 103  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | 67.9908 | 18.4   | 87.53  | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | 67.9908 | 18.4   | 88.37  | mg/L  | 103  | 85    | 115   | 1   | 20    |      |

**Carbon, dissolved organic (DOC)**

SM5310B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543696</b> |      |                |            |    |        |       |       |      |       |       |     |       |      |
| WG543696LFB     | LFB  | 06/07/22 23:33 | WI220510-9 | 50 |        | 50    | mg/L  | 100  | 90    | 110   |     |       |      |
| L73483-02DUP    | DUP  | 06/08/22 2:15  |            |    | 3.4    | 3.3   | mg/L  |      |       |       | 3   | 20    | RA   |
| L73511-01AS     | AS   | 06/08/22 2:36  | WI220510-9 | 50 | 1.8    | 56    | mg/L  | 108  | 90    | 110   |     |       |      |
| <b>WG544214</b> |      |                |            |    |        |       |       |      |       |       |     |       |      |
| WG544214LFB     | LFB  | 06/16/22 16:00 | WI220510-9 | 50 |        | 51.2  | mg/L  | 102  | 90    | 110   |     |       |      |
| L73483-03DUP    | DUP  | 06/16/22 16:21 |            |    | 2.7    | 2.7   | mg/L  |      |       |       | 0   | 20    | RA   |
| L73483-04AS     | AS   | 06/16/22 16:45 | WI220510-9 | 50 | 2.8    | 53.3  | mg/L  | 101  | 90    | 110   |     |       |      |
| L73514-04DUP    | DUP  | 06/16/22 19:00 |            |    | 1.4    | 1.4   | mg/L  |      |       |       | 0   | 20    | RA   |
| L73514-05AS     | AS   | 06/16/22 19:29 | WI220510-9 | 50 | 1.3    | 52.7  | mg/L  | 103  | 90    | 110   |     |       |      |

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543600</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543600ICV     | ICV  | 06/04/22 10:49 | WI220502-12 | 54.945 |        | 56.2  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG543600ICB     | ICB  | 06/04/22 10:49 |             |        |        | U     | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG543600LFB1    | LFB  | 06/04/22 10:50 | WI220328-1  | 29.97  |        | 30.97 | mg/L  | 103  | 90    | 110   |     |       |      |
| L73514-02AS     | AS   | 06/04/22 10:51 | WI220328-1  | 29.97  | .6     | 31.07 | mg/L  | 102  | 90    | 110   |     |       |      |
| L73514-03DUP    | DUP  | 06/04/22 10:52 |             |        | .59    | U     | mg/L  |      |       |       | 200 | 20    | RA   |
| WG543600LFB2    | LFB  | 06/04/22 11:05 | WI220328-1  | 29.97  |        | 31.2  | mg/L  | 104  | 90    | 110   |     |       |      |

**OURAYSM**

ACZ Project ID: **L73514**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543804</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .05 |        | .05356 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .05 |        | .05227 | mg/L  | 105  | 85       | 115     |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .05 | .00115 | .05413 | mg/L  | 106  | 70       | 130     |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .05 | .00115 | .05405 | mg/L  | 106  | 70       | 130     | 0   | 20    |      |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543642</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543642ICV     | ICV  | 06/06/22 10:23 | WC220602-7 | 2.008 |        | 2.06  | mg/L  | 103  | 90    | 110   |     |       |      |
| WG543642ICB     | ICB  | 06/06/22 10:28 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| <b>WG543670</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543670ICV     | ICV  | 06/06/22 16:24 | WC220602-7 | 2.008 |        | 2.14  | mg/L  | 107  | 90    | 110   |     |       |      |
| WG543670ICB     | ICB  | 06/06/22 16:31 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG543670LFB1    | LFB  | 06/06/22 16:39 | WC220104-2 | 5.02  |        | 5     | mg/L  | 100  | 90    | 110   |     |       |      |
| WG543670LFB3    | LFB  | 06/06/22 19:04 | WC220606-1 | 5.02  |        | 4.69  | mg/L  | 93   | 90    | 110   |     |       |      |
| L73483-08AS     | AS   | 06/06/22 19:17 | WC220606-1 | 5.02  | 1.37   | 5.36  | mg/L  | 79   | 90    | 110   |     |       | M2   |
| L73483-08ASD    | ASD  | 06/06/22 19:24 | WC220606-1 | 5.02  | 1.37   | 5.46  | mg/L  | 81   | 90    | 110   | 2   | 20    | M2   |

**Iron, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG543804</b> |      |                |             |        |        |       |       |      |         |        |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .0995  |        | .1021 | mg/L  | 103  | 90      | 110    |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .04975 |        | .053  | mg/L  | 107  | 85      | 115    |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .04975 | U      | .058  | mg/L  | 117  | 70      | 130    |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .04975 | U      | .058  | mg/L  | 117  | 70      | 130    | 0   | 20    |      |

**Iron, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG544031</b> |      |                |             |        |        |       |       |      |         |        |     |       |      |
| WG544031ICV     | ICV  | 06/09/22 17:32 | MS220502-1  | .0995  |        | .103  | mg/L  | 104  | 90      | 110    |     |       |      |
| WG544031ICB     | ICB  | 06/09/22 17:34 |             |        |        | U     | mg/L  |      | -0.021  | 0.021  |     |       |      |
| WG543702LRB     | LRB  | 06/09/22 17:36 |             |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG543702LFB     | LFB  | 06/09/22 17:38 | MS220601-10 | .04975 |        | .0439 | mg/L  | 88   | 85      | 115    |     |       |      |
| L73514-05LFM    | LFM  | 06/09/22 17:47 | MS220601-10 | .04975 | .187   | .2456 | mg/L  | 118  | 70      | 130    |     |       |      |
| L73514-05LFMD   | LFMD | 06/09/22 17:49 | MS220601-10 | .04975 | .187   | .2133 | mg/L  | 53   | 70      | 130    | 14  | 20    | MA   |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543804</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .05   |        | .05202 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .0501 |        | .05311 | mg/L  | 106  | 85       | 115     |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .0501 | .0005  | .05475 | mg/L  | 108  | 70       | 130     |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .0501 | .0005  | .05452 | mg/L  | 108  | 70       | 130     | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73514**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543876</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG543876ICV     | ICV  | 06/08/22 14:16 | MS220502-1  | .05   |        | .05411 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG543876ICB     | ICB  | 06/08/22 14:18 |             |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG543722LRB     | LRB  | 06/08/22 14:21 |             |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543722LFB     | LFB  | 06/08/22 14:23 | MS220601-10 | .0501 |        | .04896 | mg/L  | 98   | 85       | 115     |     |       |      |
| L73515-02LFM    | LFM  | 06/08/22 15:13 | MS220601-10 | .0501 | .00323 | .0541  | mg/L  | 102  | 70       | 130     |     |       |      |
| L73515-02LFMD   | LFMD | 06/08/22 15:15 | MS220601-10 | .0501 | .00323 | .05184 | mg/L  | 97   | 70       | 130     | 4   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 100      |        | 96.46 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | 49.99922 |        | 49.55 | mg/L  | 99   | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | 49.99922 | 1.71   | 51.12 | mg/L  | 99   | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | 49.99922 | 1.71   | 51.73 | mg/L  | 100  | 85    | 115   | 1   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 2    |        | 1.976 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | .499 |        | .509  | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | .499 | .06    | .563  | mg/L  | 101  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | .499 | .06    | .568  | mg/L  | 102  | 85    | 115   | 1   | 20    |      |



**OURAYSM**

ACZ Project ID: **L73514**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG541979</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG541979ICV1    | ICV  | 05/11/22 11:12 | HG220325-4 | 10 |        | 10    | ng/L  | 100  | 79     | 121   |     |       |      |
| WG541979ICB1    | ICB  | 05/11/22 11:17 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG543624</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG543624CCV1    | CCV  | 06/06/22 9:08  | HG220325-4 | 10 |        | 8.94  | ng/L  | 89   | 76.5   | 123.4 |     |       |      |
| WG543624CCB1    | CCB  | 06/06/22 9:13  |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543624PQV2    | PQV  | 06/06/22 10:08 | HG220325-6 | 1  |        | 1.19  | ng/L  | 119  | 70     | 130   |     |       |      |
| WG543624LFB     | LFB  | 06/06/22 10:13 | HG220325-5 | 2  |        | 1.96  | ng/L  | 98   | 71     | 125   |     |       |      |
| WG543624CCV2    | CCV  | 06/06/22 10:47 | HG220325-4 | 10 |        | 11.8  | ng/L  | 118  | 76.5   | 123.4 |     |       |      |
| WG543624CCB2    | CCB  | 06/06/22 10:51 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| L73514-02MS     | MS   | 06/06/22 10:56 | HG220325-5 | 2  | 1.23   | 2.98  | ng/L  | 88   | 71     | 125   |     |       |      |
| L73514-02MSD    | MSD  | 06/06/22 11:01 | HG220325-5 | 2  | 1.23   | 2.92  | ng/L  | 85   | 71     | 125   | 2   | 24    |      |
| WG543624CCV3    | CCV  | 06/06/22 11:52 | HG220325-4 | 10 |        | 12.4  | ng/L  | 124  | 76.5   | 123.4 |     |       | VC   |
| WG543624CCV4    | CCV  | 06/06/22 11:57 | HG220325-4 | 10 |        | 12.2  | ng/L  | 122  | 76.5   | 123.4 |     |       |      |
| WG543624CCB3    | CCB  | 06/06/22 12:02 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543624CCV5    | CCV  | 06/06/22 13:33 | HG220325-4 | 10 |        | 10.2  | ng/L  | 102  | 76.5   | 123.4 |     |       |      |
| WG543624CCB4    | CCB  | 06/06/22 13:38 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543624CCV6    | CCV  | 06/06/22 14:03 | HG220325-4 | 10 |        | 9.95  | ng/L  | 100  | 76.5   | 123.4 |     |       |      |
| WG543624CCB5    | CCB  | 06/06/22 14:08 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG543944</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG543944CCV1    | CCV  | 06/09/22 8:52  | HG220325-4 | 10 |        | 9.81  | ng/L  | 98   | 76.5   | 123.4 |     |       |      |
| WG543944CCB1    | CCB  | 06/09/22 8:57  |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543944PQV     | PQV  | 06/09/22 9:01  | HG220325-6 | 1  |        | 1.01  | ng/L  | 101  | 70     | 130   |     |       |      |
| WG543944LFB     | LFB  | 06/09/22 9:06  | HG220325-5 | 2  |        | 1.98  | ng/L  | 99   | 71     | 125   |     |       |      |
| L73514-05MS     | MS   | 06/09/22 9:28  | HG220325-5 | 2  | .81    | 2.82  | ng/L  | 101  | 71     | 125   |     |       |      |
| L73514-05MSD    | MSD  | 06/09/22 9:33  | HG220325-5 | 2  | .81    | 2.79  | ng/L  | 99   | 71     | 125   | 1   | 24    |      |
| WG543944CCV2    | CCV  | 06/09/22 9:52  | HG220325-4 | 10 |        | 8.57  | ng/L  | 86   | 76.5   | 123.4 |     |       |      |
| WG543944CCB2    | CCB  | 06/09/22 9:57  |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543944CCV3    | CCV  | 06/09/22 10:50 | HG220609-5 | 10 |        | 9.01  | ng/L  | 90   | 76.5   | 123.4 |     |       |      |
| WG543944CCB3    | CCB  | 06/09/22 10:54 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543944CCV4    | CCV  | 06/09/22 11:28 | HG220609-5 | 10 |        | 9.21  | ng/L  | 92   | 76.5   | 123.4 |     |       |      |
| WG543944CCB4    | CCB  | 06/09/22 11:33 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543588</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543588ICV     | ICV  | 06/03/22 23:58 | WI220602-3  | 2.4161 |        | 2.365 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG543588ICB     | ICB  | 06/03/22 23:59 |             |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG543595</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543595LFB     | LFB  | 06/04/22 3:25  | WI220401-10 | 2      |        | 1.985 | mg/L  | 99   | 90    | 110   |     |       |      |
| L73514-02AS     | AS   | 06/04/22 3:47  | WI220401-10 | 2      | .263   | 2.399 | mg/L  | 107  | 90    | 110   |     |       |      |
| L73514-03DUP    | DUP  | 06/04/22 3:50  |             |        | .166   | .164  | mg/L  |      |       |       | 1   | 20    | RA   |

**OURAYSM**

ACZ Project ID: **L73514**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 20       |        | 19.95 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | 99.96218 |        | 102.4 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | 99.96218 | .36    | 102.1 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | 99.96218 | .36    | 103.3 | mg/L  | 103  | 85    | 115   | 1   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543374</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG543374PBW     | PBW  | 06/01/22 15:40 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG543374LCSW    | LCSW | 06/01/22 15:42 | PCN63843 | 1000 |        | 1004  | mg/L  | 100  | 80    | 120   |     |       |      |
| L73515-03DUP    | DUP  | 06/01/22 16:11 |          |      | 72     | 76    | mg/L  |      |       |       | 5   | 10    | RA   |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543586</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG543586PBW     | PBW  | 06/03/22 17:30 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG543586LCSW    | LCSW | 06/03/22 17:32 | PCN63842 | 100 |        | 99    | mg/L  | 99   | 80    | 120   |     |       |      |
| L73492-01DUP    | DUP  | 06/03/22 17:37 |          |     | 12     | 12    | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544032</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG544032ICV     | ICV  | 06/09/22 23:06 | MS220502-1  | .02 |        | .02071 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG544032ICB     | ICB  | 06/09/22 23:08 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG544032LFB     | LFB  | 06/09/22 23:10 | MS220601-10 | .01 |        | .01004 | mg/L  | 100  | 85       | 115     |     |       |      |
| L73511-03AS     | AS   | 06/09/22 23:22 | MS220601-10 | .01 | U      | .0086  | mg/L  | 86   | 70       | 130     |     |       |      |
| L73511-03ASD    | ASD  | 06/09/22 23:28 | MS220601-10 | .01 | U      | .00846 | mg/L  | 85   | 70       | 130     | 2   | 20    |      |
| L73530-01AS     | AS   | 06/09/22 23:59 | MS220601-10 | .01 | U      | .00971 | mg/L  | 97   | 70       | 130     |     |       |      |
| L73530-01ASD    | ASD  | 06/10/22 0:01  | MS220601-10 | .01 | U      | .00976 | mg/L  | 98   | 70       | 130     | 1   | 20    |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 100      |        | 99.51 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | 100.0282 |        | 102.4 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | 100.0282 | 1.26   | 103.1 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | 100.0282 | 1.26   | 104.6 | mg/L  | 103  | 85    | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73514**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543327</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543327ICB     | ICB  | 06/01/22 9:26  |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG543327ICV     | ICV  | 06/01/22 9:26  | WI220601-1 | 20.46 |        | 20    | mg/L  | 98   | 90    | 110   |     |       |      |
| WG543327LFB     | LFB  | 06/01/22 14:33 | WI220415-3 | 9.95  |        | 10    | mg/L  | 101  | 90    | 110   |     |       |      |
| L73514-04DUP    | DUP  | 06/01/22 14:37 |            |       | 29     | 28.9  | mg/L  |      |       |       | 0   | 20    |      |
| L73514-05AS     | AS   | 06/01/22 14:37 | WI220415-3 | 9.95  | 29.1   | 38.8  | mg/L  | 97   | 90    | 110   |     |       |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 2      |        | 1.965 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | .50045 |        | .525  | mg/L  | 105  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | .50045 | .081   | .602  | mg/L  | 104  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | .50045 | .081   | .604  | mg/L  | 105  | 85    | 115   | 0   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L73514**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                   | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L73514-02</b> | WG544031 | Aluminum, total recoverable         | M200.8 ICP-MS            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG543696 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543600 | Chloride                            | SM4500CI-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543670 | Fluoride                            | SM4500F-C                | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG544031 | Iron, total recoverable             | M200.8 ICP-MS            | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG543595 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543374 | Residue, Filterable (TDS) @180C     | SM2540C                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543586 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|                  |          |                                     | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG543891 | Total Alkalinity                    | SM2320B - Titration      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
| <b>L73514-03</b> | WG544031 | Aluminum, total recoverable         | M200.8 ICP-MS            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG544214 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543600 | Chloride                            | SM4500CI-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543670 | Fluoride                            | SM4500F-C                | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG544031 | Iron, total recoverable             | M200.8 ICP-MS            | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG543595 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543374 | Residue, Filterable (TDS) @180C     | SM2540C                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543586 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|                  |          |                                     | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG543891 | Total Alkalinity                    | SM2320B - Titration      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |

**Ouray Silver Mines**

ACZ Project ID: **L73514**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                   | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L73514-04</b> | WG544031 | Aluminum, total recoverable         | M200.8 ICP-MS            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG544214 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543600 | Chloride                            | SM4500Cl-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543670 | Fluoride                            | SM4500F-C                | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG544031 | Iron, total recoverable             | M200.8 ICP-MS            | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG543595 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543374 | Residue, Filterable (TDS) @180C     | SM2540C                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543586 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|                  |          |                                     | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG543891 | Total Alkalinity                    | SM2320B - Titration      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
| <b>L73514-05</b> | WG544031 | Aluminum, total recoverable         | M200.8 ICP-MS            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG544214 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543600 | Chloride                            | SM4500Cl-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543670 | Fluoride                            | SM4500F-C                | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG544031 | Iron, total recoverable             | M200.8 ICP-MS            | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG543595 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543374 | Residue, Filterable (TDS) @180C     | SM2540C                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG543586 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|                  |          |                                     | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG543891 | Total Alkalinity                    | SM2320B - Titration      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |

**Ouray Silver Mines**

ACZ Project ID: **L73514**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                   | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|--------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L73514-06 | WG544031 | Aluminum, total recoverable         | M200.8 ICP-MS            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG544214 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543600 | Chloride                            | SM4500Cl-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543670 | Fluoride                            | SM4500F-C                | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG544031 | Iron, total recoverable             | M200.8 ICP-MS            | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|           | WG543595 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543374 | Residue, Filterable (TDS) @180C     | SM2540C                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543586 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |          |                                     | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG543891 | Total Alkalinity                    | SM2320B - Titration      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |

**Ouray Silver Mines**

ACZ Project ID: **L73514**

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

|                         |               |
|-------------------------|---------------|
| Iron, dissolved         | M200.8 ICP-MS |
| Iron, total recoverable | M200.8 ICP-MS |

Ouray Silver Mines

ACZ Project ID: L73514

Date Received: 05/27/2022 10:44

Received By:

Date Printed: 5/31/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

Trip blank received in "transfer from this container" bottle.

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 3005      | 1.6       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.



Ouray Silver Mines

ACZ Project ID: L73514

Date Received: 05/27/2022 10:44

Received By:

Date Printed: 5/31/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc. L73514

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 970-325-9830

Copy of Report to:

Name: Poppy Staub  
Company: Ouray Silver Mines

E-mail: environmental@ouraysilvermines.com  
Telephone: 970-325-9830

Invoice to:

Name: Jen Smith  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mnt

\*Sampler's Signature:

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

| Quote #: surface-water | PO#: | Reporting state for compliance testing: | Check box if samples include NRC licensed material? | SAMPLE IDENTIFICATION | DATE:TIME     | Matrix | # of Containers | surface-water                       | Hg Trip Blank                       |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|------------------------|------|-----------------------------------------|-----------------------------------------------------|-----------------------|---------------|--------|-----------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                        |      |                                         | <input type="checkbox"/>                            |                       |               |        |                 |                                     |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|                        |      |                                         |                                                     | Hg Trip Blank         | 5/26/22 12:00 |        | 1               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                        |      |                                         |                                                     | SW-21                 | 5/26/22 8:10  | SW     | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                        |      |                                         |                                                     | SW-16                 | 5/26/22 11:14 | SW     | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                        |      |                                         |                                                     | SW-99                 | 5/26/22 11:55 | SW     | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                        |      |                                         |                                                     | SW-15                 | 5/26/22 11:54 | SW     | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                        |      |                                         |                                                     | SW-17                 | 5/26/22 13:25 | SW     | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                        |      |                                         |                                                     |                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                        |      |                                         |                                                     |                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                        |      |                                         |                                                     |                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                        |      |                                         |                                                     |                       |               |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

5/26/22 11:43

5/27/22 10:44

June 23, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L73515

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 27, 2022. This project has been assigned to ACZ's project number, L73515. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L73515. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 23, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

*Mark McNeal*

Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: SW-0

ACZ Sample ID: **L73515-01**

Date Sampled: 05/26/22 13:50

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 14:41 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/06/22 22:48 | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | <0.005   | U    |    | mg/L  | 0.005   | 0.015   | 06/08/22 11:01 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | <0.005   | U    | *  | mg/L  | 0.005   | 0.015   | 06/09/22 17:53 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/08/22 11:01 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/09/22 17:53 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 11:01 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 15:04 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 1.10     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 21:06 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00482  |      |    | mg/L  | 0.0008  | 0.002   | 06/08/22 11:01 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 06/08/22 11:01 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 06/09/22 17:53 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.0209   |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 11:01 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.0229   |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 15:04 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 06/13/22 21:06 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/13/22 21:06 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | <0.3     | U    |    | ng/L  | 0.3     | 1       | 06/09/22 9:43  | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 06/13/22 21:06 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:41 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 06/13/22 21:06 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05    | 06/13/22 21:06 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-0

ACZ Sample ID: **L73515-01**

Date Sampled: 05/26/22 13:50

Date Received: 05/27/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | <2     | U    | *  | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 06/16/22 19:55 | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | n/a    |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | <      | U    |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | <      | U    |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <0.5   | U    | *  | mg/L  | 0.5  | 2    | 06/04/22 10:54 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    | *  | mg/L  | 0.15 | 0.35 | 06/06/22 20:11 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 2.8    | B    |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | <0.02  | U    | *  | mg/L  | 0.02 | 0.1  | 06/04/22 3:59  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | <20    | U    | *  | mg/L  | 20   | 40   | 06/01/22 16:03 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 06/03/22 17:58 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 2.6    | B    | *  | mg/L  | 1    | 5    | 06/03/22 13:59 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 3.7    |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | n/a    |      |    |       |      |      | 06/23/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-1

ACZ Sample ID: **L73515-02**

Date Sampled: 05/26/22 09:43

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 14:52 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/06/22 23:33 | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result  | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|---------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0216  |      |    | mg/L  | 0.005   | 0.015   | 06/08/22 11:03 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0714  |      | *  | mg/L  | 0.005   | 0.015   | 06/09/22 17:58 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00112 |      |    | mg/L  | 0.0002  | 0.001   | 06/08/22 11:03 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00228 |      |    | mg/L  | 0.0002  | 0.001   | 06/09/22 17:58 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.00116 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 11:03 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.00118 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 15:11 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 20.2    |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 21:15 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00167 | B    |    | mg/L  | 0.0008  | 0.002   | 06/08/22 11:03 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | 0.0256  |      | *  | mg/L  | 0.007   | 0.02    | 06/08/22 11:03 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.202   |      | *  | mg/L  | 0.007   | 0.02    | 06/09/22 17:58 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00030 | B    |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 11:03 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00323 |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 15:11 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.04    |      |    | mg/L  | 0.2     | 1       | 06/13/22 21:15 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.368   |      |    | mg/L  | 0.01    | 0.05    | 06/13/22 21:15 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 1.55    |      |    | ng/L  | 0.3     | 1       | 06/09/22 9:48  | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.30    | B    |    | mg/L  | 0.2     | 1       | 06/13/22 21:15 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001 | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:42 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.51    |      |    | mg/L  | 0.2     | 1       | 06/13/22 21:15 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.381   |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 21:15 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-1

ACZ Sample ID: **L73515-02**

Date Sampled: 05/26/22 09:43

Date Received: 05/27/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 26.7   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 26.7   |      | *  | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 06/16/22 20:12 | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.2    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.2    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <0.5   | U    | *  | mg/L  | 0.5  | 2    | 06/04/22 10:55 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    | *  | mg/L  | 0.15 | 0.35 | 06/06/22 20:18 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 55     |      |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.286  |      | *  | mg/L  | 0.02 | 0.1  | 06/04/22 4:01  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 88     |      | *  | mg/L  | 20   | 40   | 06/01/22 16:06 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 06/03/22 18:01 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 29.8   |      | *  | mg/L  | 5    | 25   | 06/03/22 14:37 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 69.9   |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.26   |      |    |       |      |      | 06/23/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-2

ACZ Sample ID: **L73515-03**

Date Sampled: 05/26/22 12:47

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 15:23 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 0:18  | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0156   |      |    | mg/L  | 0.005   | 0.015   | 06/08/22 11:04 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0913   |      | *  | mg/L  | 0.005   | 0.015   | 06/09/22 18:00 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00072  | B    |    | mg/L  | 0.0002  | 0.001   | 06/08/22 11:04 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00118  |      |    | mg/L  | 0.0002  | 0.001   | 06/09/22 18:00 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000269 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 11:04 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000268 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 15:17 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 16.4     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 21:18 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00091  | B    |    | mg/L  | 0.0008  | 0.002   | 06/08/22 11:04 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 06/08/22 11:04 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.0780   |      | *  | mg/L  | 0.007   | 0.02    | 06/09/22 18:00 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00049  | B    |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 11:04 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00290  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 15:17 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.60     |      |    | mg/L  | 0.2     | 1       | 06/13/22 21:18 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.056    |      |    | mg/L  | 0.01    | 0.05    | 06/13/22 21:18 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.81     | B    |    | ng/L  | 0.3     | 1       | 06/09/22 10:02 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.31     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 21:18 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:44 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.10     |      |    | mg/L  | 0.2     | 1       | 06/13/22 21:18 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.057    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 21:18 | aeH     |



**Ouray Silver Mines**

Project ID:

Sample ID: SW-2

ACZ Sample ID: **L73515-03**

Date Sampled: 05/26/22 12:47

Date Received: 05/27/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 24.5   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 24.5   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.3    | B    | *  | mg/L  | 1    | 5    | 06/16/22 20:27 | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -4.8   |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.1    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.0    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <0.5   | U    | *  | mg/L  | 0.5  | 2    | 06/04/22 10:56 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.28   | B    | *  | mg/L  | 0.15 | 0.35 | 06/06/22 20:39 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 48     |      |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.108  |      | *  | mg/L  | 0.02 | 0.1  | 06/04/22 4:02  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 72     |      | *  | mg/L  | 20   | 40   | 06/01/22 16:08 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 06/03/22 18:04 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 28.5   |      | *  | mg/L  | 1    | 5    | 06/03/22 14:01 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 63.3   |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.14   |      |    |       |      |      | 06/23/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-3

ACZ Sample ID: **L73515-04**

Date Sampled: 05/26/22 10:27

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 15:34 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 1:04  | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | <0.005   | U    |    | mg/L  | 0.005   | 0.015   | 06/08/22 11:06 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0118   | B    | *  | mg/L  | 0.005   | 0.015   | 06/09/22 18:02 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00070  | B    |    | mg/L  | 0.0002  | 0.001   | 06/08/22 11:06 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00075  | B    |    | mg/L  | 0.0002  | 0.001   | 06/09/22 18:02 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000269 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 11:06 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000287 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 15:19 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 46.0     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 21:22 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/08/22 11:06 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 06/08/22 11:06 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.0137   | B    | *  | mg/L  | 0.007   | 0.02    | 06/09/22 18:02 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00013  | B    |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 11:06 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00203  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 15:19 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.94     |      |    | mg/L  | 0.2     | 1       | 06/13/22 21:22 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 06/13/22 21:22 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.85     | B    |    | ng/L  | 0.3     | 1       | 06/09/22 10:07 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.64     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 21:22 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:50 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 4.41     |      |    | mg/L  | 0.2     | 1       | 06/13/22 21:22 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.197    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 21:22 | aeH     |

### Ouray Silver Mines

Project ID:

Sample ID: SW-3

ACZ Sample ID: **L73515-04**

Date Sampled: 05/26/22 10:27

Date Received: 05/27/22

Sample Matrix: Surface Water

#### Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 37.2   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 37.2   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.3    | B    | *  | mg/L  | 1    | 5    | 06/16/22 21:06 | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 2.8    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 2.8    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 3.25   |      | *  | mg/L  | 0.5  | 2    | 06/04/22 10:57 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.23   | B    | *  | mg/L  | 0.15 | 0.35 | 06/06/22 20:43 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 127    |      |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 1.54   |      | *  | mg/L  | 0.02 | 0.1  | 06/04/22 4:03  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 194    |      |    | mg/L  | 20   | 40   | 06/01/22 16:14 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 06/03/22 18:09 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 91.1   |      | *  | mg/L  | 5    | 25   | 06/03/22 14:37 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 171    |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.13   |      |    |       |      |      | 06/23/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-4

ACZ Sample ID: **L73515-05**

Date Sampled: 05/26/22 09:02

Date Received: 05/27/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 15:45 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 06/07/22 1:49  | scp     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0113   | B    |    | mg/L  | 0.005   | 0.015   | 06/08/22 11:08 | kja     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0985   |      | *  | mg/L  | 0.005   | 0.015   | 06/09/22 18:04 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00075  | B    |    | mg/L  | 0.0002  | 0.001   | 06/08/22 11:08 | kja     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00118  |      |    | mg/L  | 0.0002  | 0.001   | 06/09/22 18:04 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000455 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 11:08 | kja     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000481 |      |    | mg/L  | 0.00005 | 0.00025 | 06/08/22 15:21 | kja     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 22.1     |      |    | mg/L  | 0.1     | 0.5     | 06/13/22 21:25 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00108  | B    |    | mg/L  | 0.0008  | 0.002   | 06/08/22 11:08 | kja     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 06/08/22 11:08 | kja     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.0601   |      | *  | mg/L  | 0.007   | 0.02    | 06/09/22 18:04 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00035  | B    |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 11:08 | kja     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00219  |      |    | mg/L  | 0.0001  | 0.0005  | 06/08/22 15:21 | kja     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.79     |      |    | mg/L  | 0.2     | 1       | 06/13/22 21:25 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.097    |      |    | mg/L  | 0.01    | 0.05    | 06/13/22 21:25 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.68     | B    |    | ng/L  | 0.3     | 1       | 06/08/22 15:48 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.37     | B    |    | mg/L  | 0.2     | 1       | 06/13/22 21:25 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/09/22 23:52 | kja     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.68     |      |    | mg/L  | 0.2     | 1       | 06/13/22 21:25 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.155    |      |    | mg/L  | 0.02    | 0.05    | 06/13/22 21:25 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-4

ACZ Sample ID: **L73515-05**

Date Sampled: 05/26/22 09:02

Date Received: 05/27/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 29.3   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 29.3   |      |    | mg/L  | 2    | 20   | 06/08/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.4    | B    | *  | mg/L  | 1    | 5    | 06/16/22 21:21 | mad     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 06/23/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.4    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.4    |      |    | meq/L |      |      | 06/23/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 0.73   | B    | *  | mg/L  | 0.5  | 2    | 06/04/22 10:57 | mjj1    |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.16   | B    | *  | mg/L  | 0.15 | 0.35 | 06/06/22 20:46 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 63     |      |    | mg/L  | 0.2  | 5    | 06/23/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.279  |      | *  | mg/L  | 0.02 | 0.1  | 06/04/22 4:04  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 88     |      |    | mg/L  | 20   | 40   | 06/01/22 16:16 | jck     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 06/03/22 18:11 | eep     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 38.0   |      | *  | mg/L  | 1    | 5    | 06/03/22 14:01 | bls     |
| TDS (calculated)                          | Calculation                                       |          | 83     |      |    | mg/L  |      |      | 06/23/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.06   |      |    |       |      |      | 06/23/22 0:00  | calc    |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L73515**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG543798</b> |      |                |            |          |        |        |       |      |       |       |     |       |      |
| WG543798PBW1    | PBW  | 06/07/22 20:03 |            |          |        | 7.7    | mg/L  |      | -20   | 20    |     |       |      |
| WG543798PBW2    | PBW  | 06/07/22 22:48 |            |          |        | 4.9    | mg/L  |      | -20   | 20    |     |       |      |
| WG543798PBW3    | PBW  | 06/08/22 1:09  |            |          |        | 6.5    | mg/L  |      | -20   | 20    |     |       |      |
| L73515-02DUP    | DUP  | 06/08/22 3:26  |            |          | 27.4   | 28     | mg/L  |      |       |       | 2   | 20    |      |
| WG543798PBW4    | PBW  | 06/08/22 3:50  |            |          |        | 7.6    | mg/L  |      | -20   | 20    |     |       |      |
| L73580-01DUP    | DUP  | 06/08/22 5:22  |            |          | 1940   | 1957.6 | mg/L  |      |       |       | 1   | 20    |      |
| <b>WG543891</b> |      |                |            |          |        |        |       |      |       |       |     |       |      |
| WG543891PBW1    | PBW  | 06/08/22 14:06 |            |          |        | 10.4   | mg/L  |      | -20   | 20    |     |       |      |
| WG543891LCSW2   | LCSW | 06/08/22 14:24 | WC220601-2 | 820.0001 |        | 787.6  | mg/L  | 96   | 90    | 110   |     |       |      |
| WG543891LCSW4   | LCSW | 06/08/22 17:13 | WC220601-2 | 820.0001 |        | 797.7  | mg/L  | 97   | 90    | 110   |     |       |      |
| WG543891PBW2    | PBW  | 06/08/22 17:19 |            |          |        | 5.7    | mg/L  |      | -20   | 20    |     |       |      |
| L73622-03DUP    | DUP  | 06/08/22 18:31 |            |          | 2.4    | U      | mg/L  |      |       |       | 200 | 20    | RA   |
| WG543891LCSW6   | LCSW | 06/08/22 18:48 | WC220601-2 | 820.0001 |        | 797.4  | mg/L  | 97   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG543804</b> |      |                |             |         |        |       |       |      |        |       |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .1      |        | .1012 | mg/L  | 101  | 90     | 110   |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .050065 |        | .053  | mg/L  | 106  | 85     | 115   |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .050065 | .0164  | .0705 | mg/L  | 108  | 70     | 130   |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .050065 | .0164  | .0702 | mg/L  | 107  | 70     | 130   | 0   | 20    |      |
| L73529-01AS     | AS   | 06/08/22 11:26 | MS220601-10 | .050065 | .0274  | .0793 | mg/L  | 104  | 70     | 130   |     |       |      |
| L73529-01ASD    | ASD  | 06/08/22 11:28 | MS220601-10 | .050065 | .0274  | .0788 | mg/L  | 103  | 70     | 130   | 1   | 20    |      |

**Aluminum, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG544031</b> |      |                |             |         |        |       |       |      |        |       |     |       |      |
| WG544031ICV     | ICV  | 06/09/22 17:32 | MS220502-1  | .1      |        | .1035 | mg/L  | 104  | 90     | 110   |     |       |      |
| WG544031ICB     | ICB  | 06/09/22 17:34 |             |         |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG543702LRB     | LRB  | 06/09/22 17:36 |             |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG543702LFB     | LFB  | 06/09/22 17:38 | MS220601-10 | .050065 |        | .0485 | mg/L  | 97   | 85     | 115   |     |       |      |
| L73514-05LFM    | LFM  | 06/09/22 17:47 | MS220601-10 | .050065 | .218   | .2365 | mg/L  | 37   | 70     | 130   |     |       | M3   |
| L73514-05LFMD   | LFMD | 06/09/22 17:49 | MS220601-10 | .050065 | .218   | .2281 | mg/L  | 20   | 70     | 130   | 4   | 20    | M3   |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543804</b> |      |                |             |        |        |        |       |      |          |         |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .05    |        | .05111 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .05005 |        | .05364 | mg/L  | 107  | 85       | 115     |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .05005 | .00079 | .05677 | mg/L  | 112  | 70       | 130     |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .05005 | .00079 | .05618 | mg/L  | 111  | 70       | 130     | 1   | 20    |      |
| L73529-01AS     | AS   | 06/08/22 11:26 | MS220601-10 | .05005 | U      | .05564 | mg/L  | 111  | 70       | 130     |     |       |      |
| L73529-01ASD    | ASD  | 06/08/22 11:28 | MS220601-10 | .05005 | U      | .05616 | mg/L  | 112  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73515**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544031</b> |      |                |             |        |        |        |       |      |          |         |     |       |      |
| WG544031ICV     | ICV  | 06/09/22 17:32 | MS220502-1  | .05    |        | .0491  | mg/L  | 98   | 90       | 110     |     |       |      |
| WG544031ICB     | ICB  | 06/09/22 17:34 |             |        |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG543702LRB     | LRB  | 06/09/22 17:36 |             |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG543702LFB     | LFB  | 06/09/22 17:38 | MS220601-10 | .05005 |        | .04685 | mg/L  | 94   | 85       | 115     |     |       |      |
| L73514-05LFM    | LFM  | 06/09/22 17:47 | MS220601-10 | .05005 | .00212 | .05154 | mg/L  | 99   | 70       | 130     |     |       |      |
| L73514-05LFMD   | LFMD | 06/09/22 17:49 | MS220601-10 | .05005 | .00212 | .04625 | mg/L  | 88   | 70       | 130     | 11  | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG543804</b> |      |                |             |        |         |         |       |      |          |         |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .05    |         | .05171  | mg/L  | 103  | 90       | 110     |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .05005 |         | .052482 | mg/L  | 105  | 85       | 115     |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .05005 | .000308 | .054385 | mg/L  | 108  | 70       | 130     |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .05005 | .000308 | .054133 | mg/L  | 108  | 70       | 130     | 0   | 20    |      |
| L73529-01AS     | AS   | 06/08/22 11:26 | MS220601-10 | .05005 | U       | .054238 | mg/L  | 108  | 70       | 130     |     |       |      |
| L73529-01ASD    | ASD  | 06/08/22 11:28 | MS220601-10 | .05005 | U       | .053749 | mg/L  | 107  | 70       | 130     | 1   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG543876</b> |      |                |             |        |        |         |       |      |          |         |     |       |      |
| WG543876ICV     | ICV  | 06/08/22 14:16 | MS220502-1  | .05    |        | .052009 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG543876ICB     | ICB  | 06/08/22 14:18 |             |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG543722LRB     | LRB  | 06/08/22 14:21 |             |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG543722LFB     | LFB  | 06/08/22 14:23 | MS220601-10 | .05005 |        | .048328 | mg/L  | 97   | 85       | 115     |     |       |      |
| L73515-02LFM    | LFM  | 06/08/22 15:13 | MS220601-10 | .05005 | .00118 | .05111  | mg/L  | 100  | 70       | 130     |     |       |      |
| L73515-02LFMD   | LFMD | 06/08/22 15:15 | MS220601-10 | .05005 | .00118 | .048857 | mg/L  | 95   | 70       | 130     | 5   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |         |        |        |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 100     |        | 100.06 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |         |        | U      | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | 67.9908 |        | 70.35  | mg/L  | 103  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | 67.9908 | 18.4   | 87.53  | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | 67.9908 | 18.4   | 88.37  | mg/L  | 103  | 85    | 115   | 1   | 20    |      |
| L73521-02AS     | AS   | 06/13/22 21:35 | II220602-7 | 67.9908 | 52.1   | 120.4  | mg/L  | 100  | 85    | 115   |     |       |      |
| L73521-02ASD    | ASD  | 06/13/22 21:38 | II220602-7 | 67.9908 | 52.1   | 127.2  | mg/L  | 110  | 85    | 115   | 5   | 20    |      |

**Carbon, dissolved organic (DOC)**

SM5310B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544214</b> |      |                |            |    |        |       |       |      |       |       |     |       |      |
| WG544214LFB     | LFB  | 06/16/22 16:00 | WI220510-9 | 50 |        | 51.2  | mg/L  | 102  | 90    | 110   |     |       |      |
| L73514-04DUP    | DUP  | 06/16/22 19:00 |            |    | 1.4    | 1.4   | mg/L  |      |       |       | 0   | 20    | RA   |
| L73514-05AS     | AS   | 06/16/22 19:29 | WI220510-9 | 50 | 1.3    | 52.7  | mg/L  | 103  | 90    | 110   |     |       |      |



**OURAYSM**

ACZ Project ID: **L73515**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543600</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543600ICV     | ICV  | 06/04/22 10:49 | WI220502-12 | 54.945 |        | 56.2  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG543600ICB     | ICB  | 06/04/22 10:49 |             |        |        | U     | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG543600LFB1    | LFB  | 06/04/22 10:50 | WI220328-1  | 29.97  |        | 30.97 | mg/L  | 103  | 90    | 110   |     |       |      |
| L73514-02AS     | AS   | 06/04/22 10:51 | WI220328-1  | 29.97  | .6     | 31.07 | mg/L  | 102  | 90    | 110   |     |       |      |
| L73514-03DUP    | DUP  | 06/04/22 10:52 |             |        | .59    | U     | mg/L  |      |       |       | 200 | 20    | RA   |
| WG543600LFB2    | LFB  | 06/04/22 11:05 | WI220328-1  | 29.97  |        | 31.2  | mg/L  | 104  | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543804</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .05 |        | .05356 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .05 |        | .05227 | mg/L  | 105  | 85       | 115     |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .05 | .00115 | .05413 | mg/L  | 106  | 70       | 130     |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .05 | .00115 | .05405 | mg/L  | 106  | 70       | 130     | 0   | 20    |      |
| L73529-01AS     | AS   | 06/08/22 11:26 | MS220601-10 | .05 | U      | .05476 | mg/L  | 110  | 70       | 130     |     |       |      |
| L73529-01ASD    | ASD  | 06/08/22 11:28 | MS220601-10 | .05 | U      | .05539 | mg/L  | 111  | 70       | 130     | 1   | 20    |      |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543642</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543642ICV     | ICV  | 06/06/22 10:23 | WC220602-7 | 2.008 |        | 2.06  | mg/L  | 103  | 90    | 110   |     |       |      |
| WG543642ICB     | ICB  | 06/06/22 10:28 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| <b>WG543670</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543670ICV     | ICV  | 06/06/22 16:24 | WC220602-7 | 2.008 |        | 2.14  | mg/L  | 107  | 90    | 110   |     |       |      |
| WG543670ICB     | ICB  | 06/06/22 16:31 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG543670LFB1    | LFB  | 06/06/22 16:39 | WC220104-2 | 5.02  |        | 5     | mg/L  | 100  | 90    | 110   |     |       |      |
| WG543670LFB3    | LFB  | 06/06/22 19:04 | WC220606-1 | 5.02  |        | 4.69  | mg/L  | 93   | 90    | 110   |     |       |      |
| L73483-08AS     | AS   | 06/06/22 19:17 | WC220606-1 | 5.02  | 1.37   | 5.36  | mg/L  | 79   | 90    | 110   |     |       | M2   |
| L73483-08ASD    | ASD  | 06/06/22 19:24 | WC220606-1 | 5.02  | 1.37   | 5.46  | mg/L  | 81   | 90    | 110   | 2   | 20    | M2   |
| L73515-02AS     | AS   | 06/06/22 20:22 | WC220606-1 | 5.02  | U      | 4.22  | mg/L  | 84   | 90    | 110   |     |       | M2   |
| L73515-02ASD    | ASD  | 06/06/22 20:34 | WC220606-1 | 5.02  | U      | 4.15  | mg/L  | 83   | 90    | 110   | 2   | 20    | M2   |

**Iron, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG543804</b> |      |                |             |        |        |       |       |      |         |        |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .0995  |        | .1021 | mg/L  | 103  | 90      | 110    |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .04975 |        | .053  | mg/L  | 107  | 85      | 115    |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .04975 | U      | .058  | mg/L  | 117  | 70      | 130    |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .04975 | U      | .058  | mg/L  | 117  | 70      | 130    | 0   | 20    |      |
| L73529-01AS     | AS   | 06/08/22 11:26 | MS220601-10 | .04975 | .029   | .0807 | mg/L  | 104  | 70      | 130    |     |       |      |
| L73529-01ASD    | ASD  | 06/08/22 11:28 | MS220601-10 | .04975 | .029   | .0811 | mg/L  | 105  | 70      | 130    | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73515**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG544031</b> |      |                |             |        |        |       |       |      |         |        |     |       |      |
| WG544031ICV     | ICV  | 06/09/22 17:32 | MS220502-1  | .0995  |        | .103  | mg/L  | 104  | 90      | 110    |     |       |      |
| WG544031ICB     | ICB  | 06/09/22 17:34 |             |        |        | U     | mg/L  |      | -0.021  | 0.021  |     |       |      |
| WG543702LRB     | LRB  | 06/09/22 17:36 |             |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG543702LFB     | LFB  | 06/09/22 17:38 | MS220601-10 | .04975 |        | .0439 | mg/L  | 88   | 85      | 115    |     |       |      |
| L73514-05LFM    | LFM  | 06/09/22 17:47 | MS220601-10 | .04975 | .187   | .2456 | mg/L  | 118  | 70      | 130    |     |       |      |
| L73514-05LFMD   | LFMD | 06/09/22 17:49 | MS220601-10 | .04975 | .187   | .2133 | mg/L  | 53   | 70      | 130    | 14  | 20    | MA   |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543804</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG543804ICV     | ICV  | 06/08/22 10:35 | MS220502-1  | .05   |        | .05202 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG543804ICB     | ICB  | 06/08/22 10:37 |             |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543804LFB     | LFB  | 06/08/22 10:39 | MS220601-10 | .0501 |        | .05311 | mg/L  | 106  | 85       | 115     |     |       |      |
| L73514-04AS     | AS   | 06/08/22 10:50 | MS220601-10 | .0501 | .0005  | .05475 | mg/L  | 108  | 70       | 130     |     |       |      |
| L73514-04ASD    | ASD  | 06/08/22 10:52 | MS220601-10 | .0501 | .0005  | .05452 | mg/L  | 108  | 70       | 130     | 0   | 20    |      |
| L73529-01AS     | AS   | 06/08/22 11:26 | MS220601-10 | .0501 | U      | .05416 | mg/L  | 108  | 70       | 130     |     |       |      |
| L73529-01ASD    | ASD  | 06/08/22 11:28 | MS220601-10 | .0501 | U      | .05406 | mg/L  | 108  | 70       | 130     | 0   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG543876</b> |      |                |             |       |        |        |       |      |          |         |     |       |      |
| WG543876ICV     | ICV  | 06/08/22 14:16 | MS220502-1  | .05   |        | .05411 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG543876ICB     | ICB  | 06/08/22 14:18 |             |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG543722LRB     | LRB  | 06/08/22 14:21 |             |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG543722LFB     | LFB  | 06/08/22 14:23 | MS220601-10 | .0501 |        | .04896 | mg/L  | 98   | 85       | 115     |     |       |      |
| L73515-02LFM    | LFM  | 06/08/22 15:13 | MS220601-10 | .0501 | .00323 | .0541  | mg/L  | 102  | 70       | 130     |     |       |      |
| L73515-02LFMD   | LFMD | 06/08/22 15:15 | MS220601-10 | .0501 | .00323 | .05184 | mg/L  | 97   | 70       | 130     | 4   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 100      |        | 96.46 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | 49.99922 |        | 49.55 | mg/L  | 99   | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | 49.99922 | 1.71   | 51.12 | mg/L  | 99   | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | 49.99922 | 1.71   | 51.73 | mg/L  | 100  | 85    | 115   | 1   | 20    |      |
| L73521-02AS     | AS   | 06/13/22 21:35 | II220602-7 | 49.99922 | 23.5   | 72.28 | mg/L  | 98   | 85    | 115   |     |       |      |
| L73521-02ASD    | ASD  | 06/13/22 21:38 | II220602-7 | 49.99922 | 23.5   | 76.49 | mg/L  | 106  | 85    | 115   | 6   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73515**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 2    |        | 1.976 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | .499 |        | .509  | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | .499 | .06    | .563  | mg/L  | 101  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | .499 | .06    | .568  | mg/L  | 102  | 85    | 115   | 1   | 20    |      |
| L73521-02AS     | AS   | 06/13/22 21:35 | II220602-7 | .499 | U      | .511  | mg/L  | 102  | 85    | 115   |     |       |      |
| L73521-02ASD    | ASD  | 06/13/22 21:38 | II220602-7 | .499 | U      | .542  | mg/L  | 109  | 85    | 115   | 6   | 20    |      |

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG541979</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG541979ICV1    | ICV  | 05/11/22 11:12 | HG220325-4 | 10 |        | 10    | ng/L  | 100  | 79     | 121   |     |       |      |
| WG541979ICB1    | ICB  | 05/11/22 11:17 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG543894</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG543894CCV1    | CCV  | 06/08/22 14:42 | HG220325-4 | 10 |        | 8.29  | ng/L  | 83   | 76.5   | 123.4 |     |       |      |
| WG543894CCB1    | CCB  | 06/08/22 14:46 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543894PQV     | PQV  | 06/08/22 14:51 | HG220325-6 | 1  |        | 1     | ng/L  | 100  | 70     | 130   |     |       |      |
| WG543894LFB     | LFB  | 06/08/22 14:56 | HG220325-5 | 2  |        | 1.85  | ng/L  | 93   | 71     | 125   |     |       |      |
| L73515-03MS     | MS   | 06/08/22 15:20 | HG220325-5 | 2  | .73    | 2.72  | ng/L  | 100  | 71     | 125   |     |       |      |
| L73515-03MSD    | MSD  | 06/08/22 15:25 | HG220325-5 | 2  | .73    | 2.61  | ng/L  | 94   | 71     | 125   | 4   | 24    |      |
| WG543894CCV3    | CCV  | 06/08/22 15:39 | HG220325-4 | 10 |        | 8.1   | ng/L  | 81   | 76.5   | 123.4 |     |       |      |
| WG543894CCB2    | CCB  | 06/08/22 15:44 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543894CCV4    | CCV  | 06/08/22 16:08 | HG220325-4 | 10 |        | 7.66  | ng/L  | 77   | 76.5   | 123.4 |     |       |      |
| WG543894CCV5    | CCV  | 06/08/22 16:12 | HG220325-4 | 10 |        | 7.87  | ng/L  | 79   | 76.5   | 123.4 |     |       |      |
| WG543894CCB3    | CCB  | 06/08/22 16:17 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG543944</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG543944CCV1    | CCV  | 06/09/22 8:52  | HG220325-4 | 10 |        | 9.81  | ng/L  | 98   | 76.5   | 123.4 |     |       |      |
| WG543944CCB1    | CCB  | 06/09/22 8:57  |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543944PQV     | PQV  | 06/09/22 9:01  | HG220325-6 | 1  |        | 1.01  | ng/L  | 101  | 70     | 130   |     |       |      |
| WG543944LFB     | LFB  | 06/09/22 9:06  | HG220325-5 | 2  |        | 1.98  | ng/L  | 99   | 71     | 125   |     |       |      |
| L73514-05MS     | MS   | 06/09/22 9:28  | HG220325-5 | 2  | .81    | 2.82  | ng/L  | 101  | 71     | 125   |     |       |      |
| L73514-05MSD    | MSD  | 06/09/22 9:33  | HG220325-5 | 2  | .81    | 2.79  | ng/L  | 99   | 71     | 125   | 1   | 24    |      |
| WG543944CCV2    | CCV  | 06/09/22 9:52  | HG220325-4 | 10 |        | 8.57  | ng/L  | 86   | 76.5   | 123.4 |     |       |      |
| WG543944CCB2    | CCB  | 06/09/22 9:57  |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543944CCV3    | CCV  | 06/09/22 10:50 | HG220609-5 | 10 |        | 9.01  | ng/L  | 90   | 76.5   | 123.4 |     |       |      |
| WG543944CCB3    | CCB  | 06/09/22 10:54 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG543944CCV4    | CCV  | 06/09/22 11:28 | HG220609-5 | 10 |        | 9.21  | ng/L  | 92   | 76.5   | 123.4 |     |       |      |
| WG543944CCB4    | CCB  | 06/09/22 11:33 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**OURAYSM**

ACZ Project ID: **L73515**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543588</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543588ICV     | ICV  | 06/03/22 23:58 | WI220602-3  | 2.4161 |        | 2.365 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG543588ICB     | ICB  | 06/03/22 23:59 |             |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG543595</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG543595LFB     | LFB  | 06/04/22 3:25  | WI220401-10 | 2      |        | 1.985 | mg/L  | 99   | 90    | 110   |     |       |      |
| L73514-02AS     | AS   | 06/04/22 3:47  | WI220401-10 | 2      | .263   | 2.399 | mg/L  | 107  | 90    | 110   |     |       |      |
| L73514-03DUP    | DUP  | 06/04/22 3:50  |             |        | .166   | .164  | mg/L  |      |       |       | 1   | 20    | RA   |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 20       |        | 19.95 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | 99.96218 |        | 102.4 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | 99.96218 | .36    | 102.1 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | 99.96218 | .36    | 103.3 | mg/L  | 103  | 85    | 115   | 1   | 20    |      |
| L73521-02AS     | AS   | 06/13/22 21:35 | II220602-7 | 99.96218 | 17.1   | 119.3 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73521-02ASD    | ASD  | 06/13/22 21:38 | II220602-7 | 99.96218 | 17.1   | 125.8 | mg/L  | 109  | 85    | 115   | 5   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543374</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG543374PBW     | PBW  | 06/01/22 15:40 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG543374LCSW    | LCSW | 06/01/22 15:42 | PCN63843 | 1000 |        | 1004  | mg/L  | 100  | 80    | 120   |     |       |      |
| L73515-03DUP    | DUP  | 06/01/22 16:11 |          |      | 72     | 76    | mg/L  |      |       |       | 5   | 10    | RA   |
| L73576-04DUP    | DUP  | 06/01/22 16:40 |          |      | 286    | 282   | mg/L  |      |       |       | 1   | 10    |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543586</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG543586PBW     | PBW  | 06/03/22 17:30 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG543586LCSW    | LCSW | 06/03/22 17:32 | PCN63842 | 100 |        | 99    | mg/L  | 99   | 80    | 120   |     |       |      |
| L73492-01DUP    | DUP  | 06/03/22 17:37 |          |     | 12     | 12    | mg/L  |      |       |       | 0   | 10    | RA   |
| L73515-03DUP    | DUP  | 06/03/22 18:06 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG544032</b> |      |                |             |     |        |        |       |      |          |         |     |       |      |
| WG544032ICV     | ICV  | 06/09/22 23:06 | MS220502-1  | .02 |        | .02071 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG544032ICB     | ICB  | 06/09/22 23:08 |             |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG544032LFB     | LFB  | 06/09/22 23:10 | MS220601-10 | .01 |        | .01004 | mg/L  | 100  | 85       | 115     |     |       |      |
| L73530-01AS     | AS   | 06/09/22 23:59 | MS220601-10 | .01 | U      | .00971 | mg/L  | 97   | 70       | 130     |     |       |      |
| L73530-01ASD    | ASD  | 06/10/22 0:01  | MS220601-10 | .01 | U      | .00976 | mg/L  | 98   | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L73515**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 100      |        | 99.51 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | 100.0282 |        | 102.4 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | 100.0282 | 1.26   | 103.1 | mg/L  | 102  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | 100.0282 | 1.26   | 104.6 | mg/L  | 103  | 85    | 115   | 1   | 20    |      |
| L73521-02AS     | AS   | 06/13/22 21:35 | II220602-7 | 100.0282 | 99.3   | 196   | mg/L  | 97   | 85    | 115   |     |       |      |
| L73521-02ASD    | ASD  | 06/13/22 21:38 | II220602-7 | 100.0282 | 99.3   | 203.9 | mg/L  | 105  | 85    | 115   | 4   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG543565</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG543565ICB     | ICB  | 06/03/22 9:18  |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG543565ICV     | ICV  | 06/03/22 9:18  | WI220601-1 | 20.46 |        | 20.6  | mg/L  | 101  | 90    | 110   |     |       |      |
| WG543565LFB     | LFB  | 06/03/22 13:59 | WI220415-3 | 9.95  |        | 10.1  | mg/L  | 102  | 90    | 110   |     |       |      |
| L73515-01DUP    | DUP  | 06/03/22 13:59 |            |       | 2.6    | 2.2   | mg/L  |      |       |       | 17  | 20    | RA   |
| L73515-02AS     | AS   | 06/03/22 14:57 | SO4TURB5X  | 10    | 29.8   | 40.4  | mg/L  | 106  | 90    | 110   |     |       |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG544204</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG544204ICV     | ICV  | 06/13/22 20:18 | II220609-1 | 2      |        | 1.965 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG544204ICB     | ICB  | 06/13/22 20:24 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG544204LFB     | LFB  | 06/13/22 20:37 | II220602-7 | .50045 |        | .525  | mg/L  | 105  | 85    | 115   |     |       |      |
| L73514-03AS     | AS   | 06/13/22 20:49 | II220602-7 | .50045 | .081   | .602  | mg/L  | 104  | 85    | 115   |     |       |      |
| L73514-03ASD    | ASD  | 06/13/22 20:53 | II220602-7 | .50045 | .081   | .604  | mg/L  | 105  | 85    | 115   | 0   | 20    |      |
| L73521-02AS     | AS   | 06/13/22 21:35 | II220602-7 | .50045 | U      | .536  | mg/L  | 107  | 85    | 115   |     |       |      |
| L73521-02ASD    | ASD  | 06/13/22 21:38 | II220602-7 | .50045 | U      | .569  | mg/L  | 114  | 85    | 115   | 6   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L73515**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                          | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|---------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L73515-01 | WG544031 | Aluminum, total recoverable         | M200.8 ICP-MS                   | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG544214 | Carbon, dissolved organic (DOC)     | SM5310B                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543600 | Chloride                            | SM4500Cl-E                      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543670 | Fluoride                            | SM4500F-C                       | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG544031 | Iron, total recoverable             | M200.8 ICP-MS                   | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|           | WG543595 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543374 | Residue, Filterable (TDS) @180C     | SM2540C                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540C                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG543586 | Residue, Non-Filterable (TSS) @105C | SM2540D                         | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |          |                                     | SM2540D                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG543565 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543891 | Total Alkalinity                    | SM2320B - Titration             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |

**Ouray Silver Mines**

ACZ Project ID: **L73515**

| ACZ ID    | WORKNUM          | PARAMETER                           | METHOD                          | QUAL                                                                                                                                                                  | DESCRIPTION                                                                                                                                                                                           |
|-----------|------------------|-------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L73515-02 | WG544031         | Aluminum, total recoverable         | M200.8 ICP-MS                   | M3                                                                                                                                                                    | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG544214         | Carbon, dissolved organic (DOC)     | SM5310B                         | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543600         | Chloride                            | SM4500CI-E                      | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543670         | Fluoride                            | SM4500F-C                       | M2                                                                                                                                                                    | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG544031         | Iron, total recoverable             | M200.8 ICP-MS                   | MA                                                                                                                                                                    | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|           | WG543595         | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543374         | Residue, Filterable (TDS) @180C     | SM2540C                         | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543586         | Residue, Non-Filterable (TSS) @105C | SM2540D                         | HC                                                                                                                                                                    | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |                  |                                     | SM2540D                         | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |                  |                                     | SM2540D                         | Z3                                                                                                                                                                    | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG543565         | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
| WG543891  | Total Alkalinity | SM2320B - Titration                 | RA                              | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |                                                                                                                                                                                                       |
| L73515-03 | WG544031         | Aluminum, total recoverable         | M200.8 ICP-MS                   | M3                                                                                                                                                                    | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG544214         | Carbon, dissolved organic (DOC)     | SM5310B                         | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543600         | Chloride                            | SM4500CI-E                      | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543670         | Fluoride                            | SM4500F-C                       | M2                                                                                                                                                                    | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG544031         | Iron, total recoverable             | M200.8 ICP-MS                   | MA                                                                                                                                                                    | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|           | WG543595         | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543374         | Residue, Filterable (TDS) @180C     | SM2540C                         | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543586         | Residue, Non-Filterable (TSS) @105C | SM2540D                         | HC                                                                                                                                                                    | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |                  |                                     | SM2540D                         | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |                  |                                     | SM2540D                         | Z3                                                                                                                                                                    | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|           | WG543565         | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |

**Ouray Silver Mines**

ACZ Project ID: **L73515**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                   | QUAL                                                                                                                                                                  | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|-------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L73515-04 | WG544031 | Aluminum, total recoverable         | M200.8 ICP-MS            | M3                                                                                                                                                                    | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG544214 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543600 | Chloride                            | SM4500Cl-E               | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543670 | Fluoride                            | SM4500F-C                | M2                                                                                                                                                                    | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG544031 | Iron, total recoverable             | M200.8 ICP-MS            | MA                                                                                                                                                                    | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|           | WG543595 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543586 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | HC                                                                                                                                                                    | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |          |                                     | SM2540D                  | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                  | Z3                                                                                                                                                                    | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
| WG543565  | Sulfate  | D516-02/-07/-11 - TURBIDIMETRIC     | RA                       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |                                                                                                                                                                                                       |
| L73515-05 | WG544031 | Aluminum, total recoverable         | M200.8 ICP-MS            | M3                                                                                                                                                                    | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|           | WG544214 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543600 | Chloride                            | SM4500Cl-E               | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543670 | Fluoride                            | SM4500F-C                | M2                                                                                                                                                                    | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG544031 | Iron, total recoverable             | M200.8 ICP-MS            | MA                                                                                                                                                                    | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|           | WG543595 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG543586 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | HC                                                                                                                                                                    | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                                           |
|           |          |                                     | SM2540D                  | RA                                                                                                                                                                    | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          |                                     | SM2540D                  | Z3                                                                                                                                                                    | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
| WG543565  | Sulfate  | D516-02/-07/-11 - TURBIDIMETRIC     | RA                       | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |                                                                                                                                                                                                       |



**Ouray Silver Mines**

ACZ Project ID: **L73515**

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

|                         |               |
|-------------------------|---------------|
| Iron, dissolved         | M200.8 ICP-MS |
| Iron, total recoverable | M200.8 ICP-MS |

Ouray Silver Mines

ACZ Project ID: L73515

Date Received: 05/27/2022 10:45

Received By:

Date Printed: 5/31/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

HG Trip Blank received empty. Analysis was not added to project.

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp Criteria (°C) | Rad (µR/Hr) | Custody Seal Intact? |
|-----------|-----------|--------------------|-------------|----------------------|
| 7150      | 4.9       | <=6.0              | 15          | N/A                  |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L73515

Date Received: 05/27/2022 10:45

Received By:

Date Printed: 5/31/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc. L73515

CHAIN of CUSTODY

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 970-325-9830

Copy of Report to:

Name: Poppy Staub  
Company: Ouray Silver Mines

E-mail: environmental@ouraysilvermines.com  
Telephone: 970-325-9830

Invoice to:

Name: Jen Smith  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐

No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mnt

\*Sampler's Signature:

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

|                                                     |  |                          |                 |               |                                     |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------------------------------------|--|--------------------------|-----------------|---------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Quote #: surface-water                              |  |                          | # of Containers | surface-water | Hg Trip Blank                       |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| PO#:                                                |  |                          |                 |               |                                     |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Reporting state for compliance testing:             |  |                          |                 |               |                                     |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Check box if samples include NRC licensed material? |  | <input type="checkbox"/> |                 |               |                                     |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| SAMPLE IDENTIFICATION                               |  | DATE:TIME                | Matrix          |               |                                     |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Hg Trip Blank                                       |  | 5/26/22 12:00            |                 | 1             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-0                                                |  | 5/26/22 13:50            | SW              | 7             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-1                                                |  | 5/26/22 9:43             | SW              | 7             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-2                                                |  | 5/26/22 12:47            | SW              | 7             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-3                                                |  | 5/26/22 10:27            | SW              | 7             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-4                                                |  | 5/26/22 9:02             | SW              | 7             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                          |                 |               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                          |                 |               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                          |                 |               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |  |                          |                 |               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE: TIME

RECEIVED BY:

DATE: TIME

5/26/22 10:41 5/27/22 10:45

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

L73515 Chain of Custody

L73515-2206231107

July 26, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L74244

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 30, 2022. This project has been assigned to ACZ's project number, L74244. Please reference this number in all future inquiries.

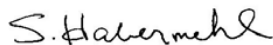
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L74244. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 25, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: SW-4

ACZ Sample ID: **L74244-01**

Date Sampled: 06/29/22 08:20

Date Received: 06/30/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 13:01 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 17:53 | kja     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0128   | B    |    | mg/L  | 0.005   | 0.015   | 07/06/22 16:11 | mfm     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0821   |      | *  | mg/L  | 0.005   | 0.015   | 07/08/22 14:14 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00077  | B    |    | mg/L  | 0.0002  | 0.001   | 07/06/22 16:11 | mfm     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00225  |      |    | mg/L  | 0.0002  | 0.001   | 07/08/22 14:14 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000661 |      |    | mg/L  | 0.00005 | 0.00025 | 07/06/22 16:11 | mfm     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000643 |      |    | mg/L  | 0.00005 | 0.00025 | 07/08/22 8:57  | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 21.5     |      |    | mg/L  | 0.1     | 0.5     | 07/13/22 16:08 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00146  | B    |    | mg/L  | 0.0008  | 0.002   | 07/06/22 16:11 | mfm     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | 0.0140   | B    | *  | mg/L  | 0.007   | 0.02    | 07/06/22 16:11 | mfm     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.138    |      | *  | mg/L  | 0.007   | 0.02    | 07/08/22 14:14 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00040  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 10:21 | mfm     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00373  |      |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 8:57  | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.75     |      |    | mg/L  | 0.2     | 1       | 07/14/22 12:09 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.305    |      |    | mg/L  | 0.01    | 0.05    | 07/13/22 16:08 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.35     | B    |    | ng/L  | 0.3     | 1       | 07/07/22 14:47 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.49     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:08 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:11 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.66     |      |    | mg/L  | 0.2     | 1       | 07/13/22 16:08 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.180    |      |    | mg/L  | 0.02    | 0.05    | 07/13/22 16:08 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-4

ACZ Sample ID: **L74244-01**

Date Sampled: 06/29/22 08:20

Date Received: 06/30/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 25.9   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 25.9   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.3    | B    | *  | mg/L  | 1    | 5    | 07/06/22 21:19 | krh     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -3.7   |      |    | %     |      |      | 07/26/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.4    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.3    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 1.14   | B    | *  | mg/L  | 0.5  | 2    | 07/08/22 15:13 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.28   | B    |    | mg/L  | 0.15 | 0.35 | 07/25/22 11:14 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 61     |      |    | mg/L  | 0.2  | 5    | 07/26/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.169  |      |    | mg/L  | 0.02 | 0.1  | 07/14/22 2:37  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 74     |      | *  | mg/L  | 20   | 40   | 07/05/22 13:43 | pcj     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | U    | *  | mg/L  | 5    | 20   | 07/06/22 10:03 | pcj     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 2        | 37.8   |      |    | mg/L  | 2    | 10   | 07/08/22 14:57 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 80.9   |      |    | mg/L  |      |      | 07/26/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.91   |      |    |       |      |      | 07/26/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-15

ACZ Sample ID: **L74244-02**

Date Sampled: 06/29/22 09:44

Date Received: 06/30/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 13:12 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 19:17 | kja     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0126   | B    |    | mg/L  | 0.005   | 0.015   | 07/06/22 16:13 | mfm     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.114    |      | *  | mg/L  | 0.005   | 0.015   | 07/08/22 14:16 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00060  | B    |    | mg/L  | 0.0002  | 0.001   | 07/06/22 16:13 | mfm     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00272  |      |    | mg/L  | 0.0002  | 0.001   | 07/08/22 14:16 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000753 |      |    | mg/L  | 0.00005 | 0.00025 | 07/06/22 16:13 | mfm     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000754 |      |    | mg/L  | 0.00005 | 0.00025 | 07/08/22 8:59  | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 18.3     |      |    | mg/L  | 0.1     | 0.5     | 07/13/22 16:11 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00168  | B    |    | mg/L  | 0.0008  | 0.002   | 07/06/22 16:13 | mfm     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 07/06/22 16:13 | mfm     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.182    |      | *  | mg/L  | 0.007   | 0.02    | 07/08/22 14:16 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00015  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 10:23 | mfm     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00502  |      |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 8:59  | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.75     |      |    | mg/L  | 0.2     | 1       | 07/14/22 12:13 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.379    |      |    | mg/L  | 0.01    | 0.05    | 07/13/22 16:11 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.63     | B    |    | ng/L  | 0.3     | 1       | 07/07/22 14:52 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.53     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:11 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:13 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.23     |      |    | mg/L  | 0.2     | 1       | 07/13/22 16:11 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.162    |      |    | mg/L  | 0.02    | 0.05    | 07/13/22 16:11 | keh1    |



**Ouray Silver Mines**

Project ID:

Sample ID: SW-15

ACZ Sample ID: **L74244-02**

Date Sampled: 06/29/22 09:44

Date Received: 06/30/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 22.8   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 22.8   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 07/06/22 21:34 | krh     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 07/26/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.2    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.2    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 0.91   | B    | *  | mg/L  | 0.5  | 2    | 07/08/22 15:13 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    |    | mg/L  | 0.15 | 0.35 | 07/25/22 11:25 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 53     |      |    | mg/L  | 0.2  | 5    | 07/26/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.087  | B    |    | mg/L  | 0.02 | 0.1  | 07/14/22 3:29  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 60     |      | *  | mg/L  | 20   | 40   | 07/05/22 13:46 | pcj     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | U    | *  | mg/L  | 5    | 20   | 07/06/22 10:05 | pcj     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 33.7   |      |    | mg/L  | 1    | 5    | 07/08/22 11:08 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 70.9   |      |    | mg/L  |      |      | 07/26/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.85   |      |    |       |      |      | 07/26/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-2

ACZ Sample ID: **L74244-03**

Date Sampled: 06/29/22 10:25

Date Received: 06/30/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 13:22 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 20:41 | kja     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0099   | B    |    | mg/L  | 0.005   | 0.015   | 07/06/22 16:14 | mfm     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.118    |      | *  | mg/L  | 0.005   | 0.015   | 07/08/22 14:18 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00054  | B    |    | mg/L  | 0.0002  | 0.001   | 07/06/22 16:14 | mfm     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00264  |      |    | mg/L  | 0.0002  | 0.001   | 07/08/22 14:18 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000619 |      |    | mg/L  | 0.00005 | 0.00025 | 07/06/22 16:14 | mfm     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000636 |      |    | mg/L  | 0.00005 | 0.00025 | 07/08/22 9:01  | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 18.3     |      |    | mg/L  | 0.1     | 0.5     | 07/13/22 16:14 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00108  | B    |    | mg/L  | 0.0008  | 0.002   | 07/06/22 16:14 | mfm     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 07/06/22 16:14 | mfm     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.173    |      | *  | mg/L  | 0.007   | 0.02    | 07/08/22 14:18 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00014  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 10:25 | mfm     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00475  |      |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 9:01  | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.71     |      |    | mg/L  | 0.2     | 1       | 07/14/22 12:16 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.318    |      |    | mg/L  | 0.01    | 0.05    | 07/13/22 16:14 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.68     | B    |    | ng/L  | 0.3     | 1       | 07/07/22 14:57 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.49     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:14 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:14 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.18     |      |    | mg/L  | 0.2     | 1       | 07/13/22 16:14 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.135    |      |    | mg/L  | 0.02    | 0.05    | 07/13/22 16:14 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-2

ACZ Sample ID: **L74244-03**

Date Sampled: 06/29/22 10:25

Date Received: 06/30/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 23.3   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 23.3   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 07/06/22 22:11 | krh     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 07/26/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.2    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.2    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 0.65   | B    | *  | mg/L  | 0.5  | 2    | 07/08/22 15:14 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    |    | mg/L  | 0.15 | 0.35 | 07/25/22 11:29 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 53     |      |    | mg/L  | 0.2  | 5    | 07/26/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.079  | B    |    | mg/L  | 0.02 | 0.1  | 07/14/22 3:31  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 62     |      | *  | mg/L  | 20   | 40   | 07/05/22 13:48 | pcj     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | U    | *  | mg/L  | 5    | 20   | 07/06/22 10:08 | pcj     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 33.3   |      |    | mg/L  | 1    | 5    | 07/08/22 11:11 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 70.3   |      |    | mg/L  |      |      | 07/26/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.88   |      |    |       |      |      | 07/26/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-16

ACZ Sample ID: **L74244-04**

Date Sampled: 06/29/22 09:06

Date Received: 06/30/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 13:33 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 22:06 | kja     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0110   | B    |    | mg/L  | 0.005   | 0.015   | 07/06/22 16:16 | mfm     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0996   |      | *  | mg/L  | 0.005   | 0.015   | 07/08/22 14:20 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00049  | B    |    | mg/L  | 0.0002  | 0.001   | 07/06/22 16:16 | mfm     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00277  |      |    | mg/L  | 0.0002  | 0.001   | 07/08/22 14:20 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000745 |      |    | mg/L  | 0.00005 | 0.00025 | 07/06/22 16:16 | mfm     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000747 |      |    | mg/L  | 0.00005 | 0.00025 | 07/08/22 9:03  | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 18.9     |      |    | mg/L  | 0.1     | 0.5     | 07/13/22 16:18 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | 0.00153  | B    |    | mg/L  | 0.0008  | 0.002   | 07/06/22 16:16 | mfm     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 07/06/22 16:16 | mfm     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.173    |      | *  | mg/L  | 0.007   | 0.02    | 07/08/22 14:20 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00017  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 10:27 | mfm     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00480  |      |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 9:03  | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.75     |      |    | mg/L  | 0.2     | 1       | 07/14/22 12:19 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.357    |      |    | mg/L  | 0.01    | 0.05    | 07/13/22 16:18 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.53     | B    |    | ng/L  | 0.3     | 1       | 07/07/22 15:02 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.52     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:18 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:16 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.27     |      |    | mg/L  | 0.2     | 1       | 07/13/22 16:18 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.170    |      |    | mg/L  | 0.02    | 0.05    | 07/13/22 16:18 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-16

ACZ Sample ID: **L74244-04**

Date Sampled: 06/29/22 09:06

Date Received: 06/30/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 22.9   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 22.9   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.9    | B    | *  | mg/L  | 1    | 5    | 07/06/22 22:27 | krh     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 07/26/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.2    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.2    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 0.69   | B    | *  | mg/L  | 0.5  | 2    | 07/08/22 15:15 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    |    | mg/L  | 0.15 | 0.35 | 07/25/22 11:33 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 54     |      |    | mg/L  | 0.2  | 5    | 07/26/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.116  |      |    | mg/L  | 0.02 | 0.1  | 07/14/22 3:32  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 56     |      |    | mg/L  | 20   | 40   | 07/05/22 13:51 | pcj     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | U    | *  | mg/L  | 5    | 20   | 07/06/22 10:10 | pcj     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 34.4   |      |    | mg/L  | 1    | 5    | 07/08/22 11:11 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 72     |      |    | mg/L  |      |      | 07/26/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.78   |      |    |       |      |      | 07/26/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-17

ACZ Sample ID: **L74244-05**

Date Sampled: 06/29/22 10:59

Date Received: 06/30/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 13:44 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 23:30 | kja     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0050   | B    |    | mg/L  | 0.005   | 0.015   | 07/06/22 16:22 | mfm     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.144    |      | *  | mg/L  | 0.005   | 0.015   | 07/08/22 14:22 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00050  | B    |    | mg/L  | 0.0002  | 0.001   | 07/06/22 16:22 | mfm     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00062  | B    |    | mg/L  | 0.0002  | 0.001   | 07/08/22 14:22 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 07/06/22 16:22 | mfm     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 07/08/22 9:05  | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 16.8     |      |    | mg/L  | 0.1     | 0.5     | 07/13/22 16:21 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/06/22 16:22 | mfm     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 07/06/22 16:22 | mfm     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.107    |      | *  | mg/L  | 0.007   | 0.02    | 07/08/22 14:22 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | <0.0001  | U    | *  | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:22 | mfm     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00076  |      |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 9:05  | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.65     |      |    | mg/L  | 0.2     | 1       | 07/14/22 12:22 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 07/13/22 16:21 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.46     | B    |    | ng/L  | 0.3     | 1       | 07/07/22 15:07 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.47     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:21 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:22 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 0.84     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:21 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05    | 07/13/22 16:21 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-17

ACZ Sample ID: **L74244-05**

Date Sampled: 06/29/22 10:59

Date Received: 06/30/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 22.2   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 22.2   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 07/06/22 22:42 | krh     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -4.8   |      |    | %     |      |      | 07/26/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.1    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.0    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 0.58   | B    | *  | mg/L  | 0.5  | 2    | 07/08/22 15:16 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    |    | mg/L  | 0.15 | 0.35 | 07/25/22 11:36 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 49     |      |    | mg/L  | 0.2  | 5    | 07/26/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.078  | B    |    | mg/L  | 0.02 | 0.1  | 07/14/22 3:33  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 52     |      | *  | mg/L  | 20   | 40   | 07/05/22 13:54 | pcj     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | U    | *  | mg/L  | 5    | 20   | 07/06/22 10:13 | pcj     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 29.3   |      |    | mg/L  | 1    | 5    | 07/08/22 11:11 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 63.2   |      |    | mg/L  |      |      | 07/26/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.82   |      |    |       |      |      | 07/26/22 0:00  | calc    |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>



**OURAYSM**

ACZ Project ID: **L74244**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545933</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG545933PBW1    | PBW  | 07/07/22 12:47 |            |          |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG545933LCSW3   | LCSW | 07/07/22 13:06 | WC220701-2 | 820.0001 |        | 772.7 | mg/L  | 94   | 90    | 110   |     |       |      |
| L74244-03DUP    | DUP  | 07/07/22 15:45 |            |          | 23.3   | 23.2  | mg/L  |      |       |       | 0   | 20    |      |
| WG545933LCSW6   | LCSW | 07/07/22 16:04 | WC220701-2 | 820.0001 |        | 780.1 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG545933PBW2    | PBW  | 07/07/22 16:15 |            |          |        | 4.3   | mg/L  |      | -20   | 20    |     |       |      |
| L74269-01DUP    | DUP  | 07/07/22 17:37 |            |          | 155    | 156.3 | mg/L  |      |       |       | 1   | 20    |      |
| WG545933LCSW9   | LCSW | 07/07/22 19:54 | WC220701-2 | 820.0001 |        | 764.5 | mg/L  | 93   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG545867</b> |      |                |            |         |        |       |       |      |        |       |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .1      |        | .1063 | mg/L  | 106  | 90     | 110   |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .050065 |        | .0501 | mg/L  | 100  | 85     | 115   |     |       |      |
| L74237-01AS     | AS   | 07/06/22 15:56 | MS220627-2 | .050065 | .0159  | .0697 | mg/L  | 107  | 70     | 130   |     |       |      |
| L74237-01ASD    | ASD  | 07/06/22 15:57 | MS220627-2 | .050065 | .0159  | .0664 | mg/L  | 101  | 70     | 130   | 5   | 20    |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .050065 | .011   | .0561 | mg/L  | 90   | 70     | 130   |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .050065 | .011   | .0558 | mg/L  | 89   | 70     | 130   | 1   | 20    |      |

**Aluminum, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG546052</b> |      |                |            |         |        |       |       |      |        |       |     |       |      |
| WG546052ICV     | ICV  | 07/08/22 14:07 | MS220701-3 | .1      |        | .0977 | mg/L  | 98   | 90     | 110   |     |       |      |
| WG546052ICB     | ICB  | 07/08/22 14:09 |            |         |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG545961LRB     | LRB  | 07/08/22 14:10 |            |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG545961LFB     | LFB  | 07/08/22 14:12 | MS220627-2 | .050065 |        | .0483 | mg/L  | 96   | 85     | 115   |     |       |      |
| L74244-05LFM    | LFM  | 07/08/22 14:24 | MS220627-2 | .050065 | .144   | .1761 | mg/L  | 64   | 70     | 130   |     |       | M2   |
| L74244-05LFMD   | LFMD | 07/08/22 14:26 | MS220627-2 | .050065 | .144   | .1717 | mg/L  | 55   | 70     | 130   | 3   | 20    | M2   |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .05    |        | .05202 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .05005 |        | .05154 | mg/L  | 103  | 85       | 115     |     |       |      |
| L74237-01AS     | AS   | 07/06/22 15:56 | MS220627-2 | .05005 | .117   | .16976 | mg/L  | 105  | 70       | 130     |     |       |      |
| L74237-01ASD    | ASD  | 07/06/22 15:57 | MS220627-2 | .05005 | .117   | .1639  | mg/L  | 94   | 70       | 130     | 4   | 20    |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .05005 | .00049 | .05557 | mg/L  | 110  | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .05005 | .00049 | .05478 | mg/L  | 108  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74244**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG546052</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG546052ICV     | ICV  | 07/08/22 14:07 | MS220701-3 | .05    |        | .04744 | mg/L  | 95   | 90       | 110     |     |       |      |
| WG546052ICB     | ICB  | 07/08/22 14:09 |            |        |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG545961LRB     | LRB  | 07/08/22 14:10 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545961LFB     | LFB  | 07/08/22 14:12 | MS220627-2 | .05005 |        | .04879 | mg/L  | 97   | 85       | 115     |     |       |      |
| L74244-05LFM    | LFM  | 07/08/22 14:24 | MS220627-2 | .05005 | .00062 | .04888 | mg/L  | 96   | 70       | 130     |     |       |      |
| L74244-05LFMD   | LFMD | 07/08/22 14:26 | MS220627-2 | .05005 | .00062 | .04984 | mg/L  | 98   | 70       | 130     | 2   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .05    |         | .053793 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .05005 |         | .05133  | mg/L  | 103  | 85       | 115     |     |       |      |
| L74237-01AS     | AS   | 07/06/22 15:56 | MS220627-2 | .05005 | .0175   | .066759 | mg/L  | 98   | 70       | 130     |     |       |      |
| L74237-01ASD    | ASD  | 07/06/22 15:57 | MS220627-2 | .05005 | .0175   | .063884 | mg/L  | 93   | 70       | 130     | 4   | 20    |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .05005 | .000745 | .052957 | mg/L  | 104  | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .05005 | .000745 | .051927 | mg/L  | 102  | 70       | 130     | 2   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG546004</b> |      |               |            |        |        |         |       |      |          |         |     |       |      |
| WG546004ICV     | ICV  | 07/08/22 8:24 | MS220701-3 | .05    |        | .052045 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG546004ICB     | ICB  | 07/08/22 8:26 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG545895LRB     | LRB  | 07/08/22 8:28 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG545895LFB     | LFB  | 07/08/22 8:30 | MS220627-2 | .05005 |        | .049382 | mg/L  | 99   | 85       | 115     |     |       |      |
| L74245-03LFM    | LFM  | 07/08/22 9:16 | MS220627-2 | .05005 | U      | .050009 | mg/L  | 100  | 70       | 130     |     |       |      |
| L74245-03LFMD   | LFMD | 07/08/22 9:18 | MS220627-2 | .05005 | U      | .050258 | mg/L  | 100  | 70       | 130     | 0   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 100      |        | 95.5  | mg/L  | 96   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | 67.98862 |        | 68.35 | mg/L  | 101  | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | 67.98862 | 21.3   | 87.27 | mg/L  | 97   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | 67.98862 | 21.3   | 88.96 | mg/L  | 100  | 85    | 115   | 2   | 20    |      |

**Carbon, dissolved organic (DOC)**

SM5310B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545792</b> |      |                |            |    |        |       |       |      |       |       |     |       |      |
| WG545792LFB     | LFB  | 07/06/22 19:35 | WI220510-9 | 50 |        | 49.1  | mg/L  | 98   | 90    | 110   |     |       |      |
| L74242-02DUP    | DUP  | 07/06/22 20:01 |            |    | 3.3    | 3.2   | mg/L  |      |       |       | 3   | 20    | RA   |
| L74242-03AS     | AS   | 07/06/22 20:34 | WI220510-9 | 50 | 3.7    | 53.7  | mg/L  | 100  | 90    | 110   |     |       |      |

**OURAYSM**

ACZ Project ID: **L74244**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546070</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG546070ICV     | ICV  | 07/08/22 15:05 | WI220502-12 | 54.945 |        | 57.04 | mg/L  | 104  | 90    | 110   |     |       |      |
| WG546070ICB     | ICB  | 07/08/22 15:05 |             |        |        | .73   | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG546070LFB     | LFB  | 07/08/22 15:06 | WI220328-1  | 29.97  |        | 28.04 | mg/L  | 94   | 90    | 110   |     |       |      |
| L74241-01AS     | AS   | 07/08/22 15:08 | WI220328-1  | 29.97  | 14.4   | 44.3  | mg/L  | 100  | 90    | 110   |     |       |      |
| L74241-02DUP    | DUP  | 07/08/22 15:09 |             |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L74244-02AS     | AS   | 07/08/22 15:14 | WI220328-1  | 29.97  | .91    | 30.57 | mg/L  | 99   | 90    | 110   |     |       |      |
| L74244-03DUP    | DUP  | 07/08/22 15:15 |             |        | .65    | .64   | mg/L  |      |       |       | 2   | 20    | RA   |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .05 |        | .05438 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .05 |        | .05079 | mg/L  | 102  | 85       | 115     |     |       |      |
| L74237-01AS     | AS   | 07/06/22 15:56 | MS220627-2 | .05 | .343   | .39923 | mg/L  | 112  | 70       | 130     |     |       |      |
| L74237-01ASD    | ASD  | 07/06/22 15:57 | MS220627-2 | .05 | .343   | .38367 | mg/L  | 81   | 70       | 130     | 4   | 20    |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .05 | .00153 | .04963 | mg/L  | 96   | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .05 | .00153 | .049   | mg/L  | 95   | 70       | 130     | 1   | 20    |      |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG547095</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG547095ICV     | ICV  | 07/25/22 10:53 | WC220714-1 | 2.008 |        | 2.05  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG547095ICB     | ICB  | 07/25/22 10:57 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG547095LFB     | LFB  | 07/25/22 11:06 | WC220606-1 | 5.02  |        | 5.07  | mg/L  | 101  | 90    | 110   |     |       |      |
| L74244-01AS     | AS   | 07/25/22 11:18 | WC220606-1 | 5.02  | .28    | 5.24  | mg/L  | 99   | 90    | 110   |     |       |      |
| L74244-01ASD    | ASD  | 07/25/22 11:22 | WC220606-1 | 5.02  | .28    | 5.24  | mg/L  | 99   | 90    | 110   | 0   | 20    |      |

**Iron, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG545867</b> |      |                |            |        |        |       |       |      |         |        |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .10016 |        | .1059 | mg/L  | 106  | 90      | 110    |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .04975 |        | .0503 | mg/L  | 101  | 85      | 115    |     |       |      |
| L74237-01AS     | AS   | 07/06/22 15:56 | MS220627-2 | .04975 | .0439  | .0978 | mg/L  | 108  | 70      | 130    |     |       |      |
| L74237-01ASD    | ASD  | 07/06/22 15:57 | MS220627-2 | .04975 | .0439  | .0931 | mg/L  | 99   | 70      | 130    | 5   | 20    |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .04975 | U      | .0515 | mg/L  | 104  | 70      | 130    |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .04975 | U      | .0513 | mg/L  | 103  | 70      | 130    | 0   | 20    |      |

**Iron, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG546052</b> |      |                |            |        |        |       |       |      |         |        |     |       |      |
| WG546052ICV     | ICV  | 07/08/22 14:07 | MS220701-3 | .10016 |        | .0964 | mg/L  | 96   | 90      | 110    |     |       |      |
| WG546052ICB     | ICB  | 07/08/22 14:09 |            |        |        | U     | mg/L  |      | -0.021  | 0.021  |     |       |      |
| WG545961LRB     | LRB  | 07/08/22 14:10 |            |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG545961LFB     | LFB  | 07/08/22 14:12 | MS220627-2 | .04975 |        | .0462 | mg/L  | 93   | 85      | 115    |     |       |      |
| L74244-05LFM    | LFM  | 07/08/22 14:24 | MS220627-2 | .04975 | .107   | .156  | mg/L  | 98   | 70      | 130    |     |       |      |
| L74244-05LFMD   | LFMD | 07/08/22 14:26 | MS220627-2 | .04975 | .107   | .1464 | mg/L  | 79   | 70      | 130    | 6   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74244**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .05   |        | .05373 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .0501 |        | .05018 | mg/L  | 100  | 85       | 115     |     |       |      |
| L74237-01AS     | AS   | 07/06/22 15:56 | MS220627-2 | .0501 | .00571 | .04345 | mg/L  | 75   | 70       | 130     |     |       |      |
| L74237-01ASD    | ASD  | 07/06/22 15:57 | MS220627-2 | .0501 | .00571 | .04213 | mg/L  | 73   | 70       | 130     | 3   | 20    |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .0501 | .00017 | .05269 | mg/L  | 105  | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .0501 | .00017 | .05152 | mg/L  | 102  | 70       | 130     | 2   | 20    |      |
| <b>WG546020</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG546020ICV     | ICV  | 07/08/22 9:51  | MS220701-3 | .05   |        | .0518  | mg/L  | 104  | 90       | 110     |     |       |      |
| WG546020ICB     | ICB  | 07/08/22 9:53  |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG546020LFB     | LFB  | 07/08/22 9:55  | MS220627-2 | .0501 |        | .04724 | mg/L  | 94   | 85       | 115     |     |       |      |
| L74207-01AS     | AS   | 07/08/22 10:05 | MS220627-2 | .0501 | .00012 | .05104 | mg/L  | 102  | 70       | 130     |     |       |      |
| L74207-01ASD    | ASD  | 07/08/22 10:06 | MS220627-2 | .0501 | .00012 | .05054 | mg/L  | 101  | 70       | 130     | 1   | 20    |      |
| L74281-01AS     | AS   | 07/08/22 10:40 | MS220627-2 | .0501 | U      | .04701 | mg/L  | 94   | 70       | 130     |     |       |      |
| L74281-01ASD    | ASD  | 07/08/22 10:42 | MS220627-2 | .0501 | U      | .04743 | mg/L  | 95   | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG546004</b> |      |               |            |       |        |        |       |      |          |         |     |       |      |
| WG546004ICV     | ICV  | 07/08/22 8:24 | MS220701-3 | .05   |        | .0521  | mg/L  | 104  | 90       | 110     |     |       |      |
| WG546004ICB     | ICB  | 07/08/22 8:26 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG545895LRB     | LRB  | 07/08/22 8:28 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545895LFB     | LFB  | 07/08/22 8:30 | MS220627-2 | .0501 |        | .04996 | mg/L  | 100  | 85       | 115     |     |       |      |
| L74245-03LFM    | LFM  | 07/08/22 9:16 | MS220627-2 | .0501 | .00056 | .05066 | mg/L  | 100  | 70       | 130     |     |       |      |
| L74245-03LFMD   | LFMD | 07/08/22 9:18 | MS220627-2 | .0501 | .00056 | .05041 | mg/L  | 100  | 70       | 130     | 0   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546453</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546453ICV     | ICV  | 07/14/22 11:02 | II220624-2 | 100      |        | 96.28 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG546453ICB     | ICB  | 07/14/22 11:08 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546453LFB     | LFB  | 07/14/22 11:21 | II220628-3 | 49.99809 |        | 47.44 | mg/L  | 95   | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/14/22 12:29 | II220628-3 | 49.99809 | 1.04   | 48.11 | mg/L  | 94   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/14/22 12:38 | II220628-3 | 49.99809 | 1.04   | 48.41 | mg/L  | 95   | 85    | 115   | 1   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 2    |        | 1.912 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | .499 |        | .508  | mg/L  | 102  | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | .499 | .276   | .756  | mg/L  | 96   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | .499 | .276   | .766  | mg/L  | 98   | 85    | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74244**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG541979</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG541979ICV1    | ICV  | 05/11/22 11:12 | HG220325-4 | 10 |        | 10    | ng/L  | 100  | 79     | 121   |     |       |      |
| WG541979ICB1    | ICB  | 05/11/22 11:17 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG545960</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG545960CCV1    | CCV  | 07/07/22 10:26 | HG220609-5 | 10 |        | 10.1  | ng/L  | 101  | 76.5   | 123.4 |     |       |      |
| WG545960CCB1    | CCB  | 07/07/22 10:31 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG545960PQV     | PQV  | 07/07/22 10:36 | HG220627-5 | 1  |        | 1.16  | ng/L  | 116  | 70     | 130   |     |       |      |
| WG545960CCV2    | CCV  | 07/07/22 12:59 | HG220609-5 | 10 |        | 9.34  | ng/L  | 93   | 76.5   | 123.4 |     |       |      |
| WG545960CCB2    | CCB  | 07/07/22 13:04 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG545960LFB     | LFB  | 07/07/22 13:26 | HG220627-4 | 2  |        | 2.03  | ng/L  | 102  | 71     | 125   |     |       |      |
| WG545960CCV3    | CCV  | 07/07/22 14:18 | HG220609-5 | 10 |        | 9.72  | ng/L  | 97   | 76.5   | 123.4 |     |       |      |
| WG545960CCB3    | CCB  | 07/07/22 14:23 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG545960CCV4    | CCV  | 07/07/22 15:17 | HG220609-5 | 10 |        | 9.47  | ng/L  | 95   | 76.5   | 123.4 |     |       |      |
| WG545960CCB4    | CCB  | 07/07/22 15:21 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| L74245-02MS     | MS   | 07/07/22 15:31 | HG220627-4 | 2  | .45    | 2.26  | ng/L  | 91   | 71     | 125   |     |       |      |
| L74245-02MSD    | MSD  | 07/07/22 15:36 | HG220627-4 | 2  | .45    | 2.25  | ng/L  | 90   | 71     | 125   | 0   | 24    |      |
| WG545960CCV5    | CCV  | 07/07/22 16:04 | HG220609-5 | 10 |        | 9.3   | ng/L  | 93   | 76.5   | 123.4 |     |       |      |
| WG545960CCB5    | CCB  | 07/07/22 16:09 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546414</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546414ICV     | ICV  | 07/13/22 23:00 | WI220602-3 | 2.4161 |        | 2.34  | mg/L  | 97   | 90    | 110   |     |       |      |
| WG546414ICB     | ICB  | 07/13/22 23:02 |            |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG546418</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546418LFB1    | LFB  | 07/14/22 2:09  | WI220630-7 | 2      |        | 2.018 | mg/L  | 101  | 90    | 110   |     |       |      |
| L74242-03DUP    | DUP  | 07/14/22 2:33  |            |        | 3.24   | 3.196 | mg/L  |      |       |       | 1   | 20    |      |
| WG546418LFB2    | LFB  | 07/14/22 3:36  | WI220630-7 | 2      |        | 2.037 | mg/L  | 102  | 90    | 110   |     |       |      |
| L74242-02AS     | AS   | 07/14/22 3:50  | WI220630-7 | 6      | 2.49   | 8.726 | mg/L  | 104  | 90    | 110   |     |       |      |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 20       |        | 19.03 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | 99.95798 |        | 96.39 | mg/L  | 96   | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | 99.95798 | .5     | 96.54 | mg/L  | 96   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | 99.95798 | .5     | 98.01 | mg/L  | 98   | 85    | 115   | 2   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545712</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG545712PBW     | PBW  | 07/05/22 13:20 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG545712LCSW    | LCSW | 07/05/22 13:22 | PCN65052 | 1000 |        | 980   | mg/L  | 98   | 80    | 120   |     |       |      |
| L74244-05DUP    | DUP  | 07/05/22 13:56 |          |      | 52     | 54    | mg/L  |      |       |       | 4   | 10    | RA   |
| L74285-03DUP    | DUP  | 07/05/22 14:20 |          |      | 1030   | 1032  | mg/L  |      |       |       | 0   | 10    |      |

**OURAYSM**

ACZ Project ID: **L74244**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545803</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG545803PBW     | PBW  | 07/06/22 9:50  |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG545803LCSW    | LCSW | 07/06/22 9:52  | PCN65052 | 100 |        | 97    | mg/L  | 97   | 80    | 120   |     |       |      |
| L74245-04DUP    | DUP  | 07/06/22 10:26 |          |     | U      | 5     | mg/L  |      |       |       | 200 | 10    | RA   |

**Silver, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .02 |        | .02144 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .01 |        | .01021 | mg/L  | 102  | 85       | 115     |     |       |      |
| L74237-01AS     | AS   | 07/06/22 15:56 | MS220627-2 | .01 | U      | .00799 | mg/L  | 80   | 70       | 130     |     |       |      |
| L74237-01ASD    | ASD  | 07/06/22 15:57 | MS220627-2 | .01 | U      | .00727 | mg/L  | 73   | 70       | 130     | 9   | 20    |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .01 | U      | .00899 | mg/L  | 90   | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .01 | U      | .00939 | mg/L  | 94   | 70       | 130     | 4   | 20    |      |

**Sodium, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 100      |        | 95.2  | mg/L  | 95   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | 100.0023 |        | 97.07 | mg/L  | 97   | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | 100.0023 | 1.77   | 98.11 | mg/L  | 96   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | 100.0023 | 1.77   | 99.54 | mg/L  | 98   | 85    | 115   | 1   | 20    |      |

**Sulfate D516-02/-07/-11 - TURBIDIMETRIC**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545993</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG545993ICB     | ICB  | 07/08/22 9:59  |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG545993ICV     | ICV  | 07/08/22 9:59  | WI220705-4 | 19.54 |        | 19.5  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG545993LFB1    | LFB  | 07/08/22 11:01 | WI220415-3 | 9.95  |        | 9.2   | mg/L  | 92   | 90    | 110   |     |       |      |
| WG545993LFB2    | LFB  | 07/08/22 11:42 | WI220415-3 | 9.95  |        | 9.4   | mg/L  | 94   | 90    | 110   |     |       |      |
| L74243-07DUP    | DUP  | 07/08/22 11:51 |            |       | 57.2   | 57.5  | mg/L  |      |       |       | 1   | 20    |      |
| L74244-01AS     | AS   | 07/08/22 14:57 | WI220415-3 | 19.9  | 37.8   | 58.9  | mg/L  | 106  | 90    | 110   |     |       |      |

**Zinc, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 2      |        | 1.901 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | .50045 |        | .52   | mg/L  | 104  | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | .50045 | .214   | .72   | mg/L  | 101  | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | .50045 | .214   | .73   | mg/L  | 103  | 85    | 115   | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L74244**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD        | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L74244-01</b> | WG546052 | Aluminum, total recoverable         | M200.8 ICP-MS | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG545792 | Carbon, dissolved organic (DOC)     | SM5310B       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG546070 | Chloride                            | SM4500CI-E    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545712 | Residue, Filterable (TDS) @180C     | SM2540C       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545803 | Residue, Non-Filterable (TSS) @105C | SM2540D       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L74244-02</b> | WG546052 | Aluminum, total recoverable         | M200.8 ICP-MS | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG545792 | Carbon, dissolved organic (DOC)     | SM5310B       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG546070 | Chloride                            | SM4500CI-E    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545712 | Residue, Filterable (TDS) @180C     | SM2540C       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545803 | Residue, Non-Filterable (TSS) @105C | SM2540D       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L74244-03</b> | WG546052 | Aluminum, total recoverable         | M200.8 ICP-MS | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG545792 | Carbon, dissolved organic (DOC)     | SM5310B       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG546070 | Chloride                            | SM4500CI-E    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545712 | Residue, Filterable (TDS) @180C     | SM2540C       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545803 | Residue, Non-Filterable (TSS) @105C | SM2540D       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L74244-04</b> | WG546052 | Aluminum, total recoverable         | M200.8 ICP-MS | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG545792 | Carbon, dissolved organic (DOC)     | SM5310B       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG546070 | Chloride                            | SM4500CI-E    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545803 | Residue, Non-Filterable (TSS) @105C | SM2540D       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L74244**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD        | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L74244-05</b> | WG546052 | Aluminum, total recoverable         | M200.8 ICP-MS | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG545792 | Carbon, dissolved organic (DOC)     | SM5310B       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG546070 | Chloride                            | SM4500Cl-E    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545867 | Lead, dissolved                     | M200.8 ICP-MS | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  | WG545712 | Residue, Filterable (TDS) @180C     | SM2540C       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545803 | Residue, Non-Filterable (TSS) @105C | SM2540D       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |



**Ouray Silver Mines**

ACZ Project ID: **L74244**

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

|                         |               |
|-------------------------|---------------|
| Iron, dissolved         | M200.8 ICP-MS |
| Iron, total recoverable | M200.8 ICP-MS |

Ouray Silver Mines

ACZ Project ID: L74244

Date Received: 06/30/2022 10:34

Received By:

Date Printed: 7/1/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| 7076      | 5.5       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L74244

Date Received: 06/30/2022 10:34

Received By:

Date Printed: 7/1/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

## Report to:

|                                            |  |                              |
|--------------------------------------------|--|------------------------------|
| Name: Todd Jesse                           |  | Address: 1900 Main St Unit 1 |
| Company: Ouray Silver Mines Inc            |  | Ouray, CO 81427              |
| E-mail: environmental@ouraysilvermines.com |  | Telephone: 720-469-7557      |

**Copy of Report to:**

|                             |                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| Name: Poppy Staub           | E-mail: <a href="mailto:environmental@ouraysilvermines.com">environmental@ouraysilvermines.com</a> |
| Company: Ouray Silver Mines | Telephone: 970-325-9830                                                                            |

Invoice to:

|                                      |                         |
|--------------------------------------|-------------------------|
| Name: Don Cordson                    | Address: PO Box 564     |
| Company: Ouray Silver Mines          |                         |
| E-mail: payable@ouraysilvermines.com |                         |
|                                      | Telephone: 970-325-9830 |

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

|     |                                     |
|-----|-------------------------------------|
| YES | <input checked="" type="checkbox"/> |
| NO  | <input type="checkbox"/>            |

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

**Are samples for SDWA Compliance Monitoring?**

|     |                          |    |                                     |
|-----|--------------------------|----|-------------------------------------|
| Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
|-----|--------------------------|----|-------------------------------------|

**If yes, please include state forms. Results will be reported to PQL for Colorado.**

Sampler's Name: Todd Jesse
 Sampler's Site Information
 State CO
 Zip code 81427
 Time Zone mnt

**\*Sampler's Signature:**

### Sampler's Site Information

State CO

Zip code 81427

Time Zone mnt

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

## PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

|                                                     |                                                                                                                                        |                          |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Quote #: SW                                         |                                                                                                                                        |                          | # of Containers | SW                                  |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| PO#:                                                |                                                                                                                                        |                          |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Reporting state for compliance testing:             |                                                                                                                                        |                          |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Check box if samples include NRC licensed material? |                                                                                                                                        | <input type="checkbox"/> |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| SAMPLE IDENTIFICATION                               |                                                                                                                                        | DATE:TIME                | Matrix          |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| SW-4                                                | 6/29/22 : 08:20                                                                                                                        | SW                       | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-15                                               | 6/29/22 : 09:44                                                                                                                        | SW                       | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-2                                                | 6/29/22 : 10:25                                                                                                                        | SW                       | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-16                                               | 6/29/22 : 09:06                                                                                                                        | SW                       | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-17                                               | 6/29/22 : 10:59                                                                                                                        | SW                       | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                                     |                                                                                                                                        |                          |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Matrix                                              | SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify) |                          |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |

## REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

| RELINQUISHED BY:   | DATE:TIME    | RECEIVED BY:       | DATE:TIME     |
|--------------------|--------------|--------------------|---------------|
| <i>[Signature]</i> | 6/29/22 1:50 | <i>[Signature]</i> | 6/30/22 10:34 |
|                    |              |                    |               |
|                    |              |                    |               |

FRMAD050.06.14.14

White - Return with sample.      Yellow - Retain for your records.



L74244 Chain of Custody

July 26, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L74245

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 30, 2022. This project has been assigned to ACZ's project number, L74245. Please reference this number in all future inquiries.

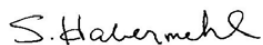
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L74245. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 25, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: SW-1

ACZ Sample ID: **L74245-01**

Date Sampled: 06/29/22 08:20

Date Received: 06/30/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 13:55 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/06/22 9:30  | mfm     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0113   | B    |    | mg/L  | 0.005   | 0.015   | 07/06/22 16:24 | mfm     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0374   |      |    | mg/L  | 0.005   | 0.015   | 07/07/22 11:19 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00095  | B    |    | mg/L  | 0.0002  | 0.001   | 07/06/22 16:24 | mfm     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00175  |      |    | mg/L  | 0.0002  | 0.001   | 07/07/22 11:19 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000599 |      |    | mg/L  | 0.00005 | 0.00025 | 07/06/22 16:24 | mfm     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000596 |      |    | mg/L  | 0.00005 | 0.00025 | 07/08/22 9:07  | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 21.3     |      |    | mg/L  | 0.1     | 0.5     | 07/13/22 16:24 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/06/22 16:24 | mfm     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | 0.0166   | B    | *  | mg/L  | 0.007   | 0.02    | 07/06/22 16:24 | mfm     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.132    |      | *  | mg/L  | 0.007   | 0.02    | 07/07/22 11:19 | kja     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00028  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 10:29 | mfm     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00092  |      |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 9:07  | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 1.04     |      |    | mg/L  | 0.2     | 1       | 07/14/22 12:26 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.276    |      |    | mg/L  | 0.01    | 0.05    | 07/13/22 16:24 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.40     | B    |    | ng/L  | 0.3     | 1       | 07/07/22 15:12 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.50     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:24 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:24 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.77     |      |    | mg/L  | 0.2     | 1       | 07/13/22 16:24 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.214    |      |    | mg/L  | 0.02    | 0.05    | 07/13/22 16:24 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-1

ACZ Sample ID: **L74245-01**

Date Sampled: 06/29/22 08:20

Date Received: 06/30/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 25.6   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 25.6   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 07/06/22 22:57 | krh     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 07/26/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.3    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.3    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <0.5   | U    | *  | mg/L  | 0.5  | 2    | 07/08/22 15:16 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    |    | mg/L  | 0.15 | 0.35 | 07/25/22 11:40 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 58     |      |    | mg/L  | 0.2  | 5    | 07/26/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.148  |      |    | mg/L  | 0.02 | 0.1  | 07/14/22 3:34  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 66     |      |    | mg/L  | 20   | 40   | 07/05/22 13:59 | pcj     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | U    | *  | mg/L  | 5    | 20   | 07/06/22 10:16 | pcj     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 35.0   |      |    | mg/L  | 1    | 5    | 07/08/22 11:08 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 75.7   |      |    | mg/L  |      |      | 07/26/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.87   |      |    |       |      |      | 07/26/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-99

ACZ Sample ID: **L74245-02**

Date Sampled: 06/29/22 09:44

Date Received: 06/30/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 14:06 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/06/22 9:30  | mfm     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | <0.005   | U    |    | mg/L  | 0.005   | 0.015   | 07/06/22 16:29 | mfm     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0074   | B    |    | mg/L  | 0.005   | 0.015   | 07/07/22 11:21 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00074  | B    |    | mg/L  | 0.0002  | 0.001   | 07/06/22 16:29 | mfm     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00072  | B    |    | mg/L  | 0.0002  | 0.001   | 07/07/22 11:21 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000253 |      |    | mg/L  | 0.00005 | 0.00025 | 07/06/22 16:29 | mfm     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000262 |      |    | mg/L  | 0.00005 | 0.00025 | 07/08/22 9:12  | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 38.9     |      |    | mg/L  | 0.1     | 0.5     | 07/13/22 16:40 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/06/22 16:29 | mfm     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 07/06/22 16:29 | mfm     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.0080   | B    | *  | mg/L  | 0.007   | 0.02    | 07/07/22 11:21 | kja     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | <0.0001  | U    | *  | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:29 | mfm     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00137  |      |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 9:12  | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.28     |      |    | mg/L  | 0.2     | 1       | 07/14/22 12:41 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 07/13/22 16:40 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.45     | B    |    | ng/L  | 0.3     | 1       | 07/07/22 15:26 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.75     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:40 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:29 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 3.77     |      |    | mg/L  | 0.2     | 1       | 07/13/22 16:40 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.186    |      |    | mg/L  | 0.02    | 0.05    | 07/13/22 16:40 | keh1    |



**Ouray Silver Mines**

Project ID:

Sample ID: SW-99

ACZ Sample ID: **L74245-02**

Date Sampled: 06/29/22 09:44

Date Received: 06/30/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 34.8   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 34.8   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 07/06/22 23:13 | krh     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 2.2    |      |    | %     |      |      | 07/26/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 2.2    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 2.3    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 2.19   |      | *  | mg/L  | 0.5  | 2    | 07/08/22 15:18 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    |    | mg/L  | 0.15 | 0.35 | 07/25/22 11:43 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 107    |      |    | mg/L  | 0.2  | 5    | 07/26/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.869  |      | *  | mg/L  | 0.02 | 0.1  | 07/14/22 3:37  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 138    |      |    | mg/L  | 20   | 40   | 07/05/22 14:01 | pcj     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | U    | *  | mg/L  | 5    | 20   | 07/06/22 10:18 | pcj     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 69.5   |      |    | mg/L  | 5    | 25   | 07/08/22 11:51 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 139    |      |    | mg/L  |      |      | 07/26/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 0.99   |      |    |       |      |      | 07/26/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-0

ACZ Sample ID: **L74245-03**

Date Sampled: 06/29/22 10:25

Date Received: 06/30/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 14:16 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/06/22 9:30  | mfm     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | <0.005   | U    |    | mg/L  | 0.005   | 0.015   | 07/06/22 16:31 | mfm     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0061   | B    |    | mg/L  | 0.005   | 0.015   | 07/07/22 11:26 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 07/06/22 16:31 | mfm     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 07/07/22 11:26 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 07/06/22 16:31 | mfm     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 07/08/22 9:14  | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 0.18     | B    |    | mg/L  | 0.1     | 0.5     | 07/13/22 16:43 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/06/22 16:31 | mfm     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 07/06/22 16:31 | mfm     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 07/07/22 11:26 | kja     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | <0.0001  | U    | *  | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:31 | mfm     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00056  |      |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 9:14  | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 07/14/22 12:45 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 07/13/22 16:43 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.59     | B    |    | ng/L  | 0.3     | 1       | 07/07/22 15:40 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 07/13/22 16:43 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:31 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 0.32     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:43 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05    | 07/13/22 16:43 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-0

ACZ Sample ID: **L74245-03**

Date Sampled: 06/29/22 10:25

Date Received: 06/30/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 07/06/22 23:43 | krh     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | n/a    |      |    | %     |      |      | 07/26/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | <      | U    |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | <      | U    |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <0.5   | U    | *  | mg/L  | 0.5  | 2    | 07/08/22 15:18 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    |    | mg/L  | 0.15 | 0.35 | 07/25/22 11:58 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 0.449  | B    |    | mg/L  | 0.2  | 5    | 07/26/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | <0.02  | U    | *  | mg/L  | 0.02 | 0.1  | 07/14/22 3:39  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | <20    | U    | *  | mg/L  | 20   | 40   | 07/05/22 14:04 | pcj     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | U    | *  | mg/L  | 5    | 20   | 07/06/22 10:21 | pcj     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | <1     | U    |    | mg/L  | 1    | 5    | 07/08/22 11:08 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 0.5    |      |    | mg/L  |      |      | 07/26/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | n/a    |      |    |       |      |      | 07/26/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-3

ACZ Sample ID: **L74245-04**

Date Sampled: 06/29/22 09:06

Date Received: 06/30/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/07/22 14:49 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 07/06/22 9:30  | mfm     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | <0.005   | U    |    | mg/L  | 0.005   | 0.015   | 07/06/22 16:33 | mfm     |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0063   | B    |    | mg/L  | 0.005   | 0.015   | 07/07/22 11:28 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00070  | B    |    | mg/L  | 0.0002  | 0.001   | 07/06/22 16:33 | mfm     |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00071  | B    |    | mg/L  | 0.0002  | 0.001   | 07/07/22 11:28 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000280 |      |    | mg/L  | 0.00005 | 0.00025 | 07/06/22 16:33 | mfm     |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000268 |      |    | mg/L  | 0.00005 | 0.00025 | 07/08/22 9:20  | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 38.8     |      |    | mg/L  | 0.1     | 0.5     | 07/13/22 16:46 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/06/22 16:33 | mfm     |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 07/06/22 16:33 | mfm     |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 07/07/22 11:28 | kja     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | <0.0001  | U    | *  | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:33 | mfm     |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00107  |      |    | mg/L  | 0.0001  | 0.0005  | 07/08/22 9:20  | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.25     |      |    | mg/L  | 0.2     | 1       | 07/14/22 12:48 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 07/13/22 16:46 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.35     | B    |    | ng/L  | 0.3     | 1       | 07/07/22 15:45 | mlh     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.73     | B    |    | mg/L  | 0.2     | 1       | 07/13/22 16:46 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/06/22 16:33 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 3.75     |      |    | mg/L  | 0.2     | 1       | 07/13/22 16:46 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.188    |      |    | mg/L  | 0.02    | 0.05    | 07/13/22 16:46 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-3

ACZ Sample ID: **L74245-04**

Date Sampled: 06/29/22 09:06

Date Received: 06/30/22

Sample Matrix: Surface Water

Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 33.5   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Total Alkalinity                          |                                                   | 1        | 33.5   |      |    | mg/L  | 2    | 20   | 07/07/22 0:00  | eep     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.1    | B    | *  | mg/L  | 1    | 5    | 07/07/22 0:11  | krh     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 2.2    |      |    | %     |      |      | 07/26/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 2.2    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 2.3    |      |    | meq/L |      |      | 07/26/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 2.44   |      | *  | mg/L  | 0.5  | 2    | 07/08/22 15:19 | bls     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    |    | mg/L  | 0.15 | 0.35 | 07/25/22 17:35 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 106    |      |    | mg/L  | 0.2  | 5    | 07/26/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.877  |      | *  | mg/L  | 0.02 | 0.1  | 07/14/22 3:46  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 138    |      |    | mg/L  | 20   | 40   | 07/05/22 14:07 | pcj     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | U    | *  | mg/L  | 5    | 20   | 07/06/22 10:24 | pcj     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 69.7   |      |    | mg/L  | 5    | 25   | 07/08/22 11:50 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 138    |      |    | mg/L  |      |      | 07/26/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.00   |      |    |       |      |      | 07/26/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: HG TRIP BLANK

ACZ Sample ID: **L74245-05**

Date Sampled: 06/29/22 10:59

Date Received: 06/30/22

Sample Matrix: Surface Water

Metals Analysis

| Parameter      | EPA Method                  | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|----------------|-----------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Mercury, total | M1631E, Atomic Fluorescence | 1        | <0.3   | U    |    | ng/L  | 0.3 | 1   | 07/07/22 15:50 | mlh     |


**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L74245**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO<sub>3</sub>**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545933</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG545933PBW1    | PBW  | 07/07/22 12:47 |            |          |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG545933LCSW3   | LCSW | 07/07/22 13:06 | WC220701-2 | 820.0001 |        | 772.7 | mg/L  | 94   | 90    | 110   |     |       |      |
| WG545933LCSW6   | LCSW | 07/07/22 16:04 | WC220701-2 | 820.0001 |        | 780.1 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG545933PBW2    | PBW  | 07/07/22 16:15 |            |          |        | 4.3   | mg/L  |      | -20   | 20    |     |       |      |
| L74269-01DUP    | DUP  | 07/07/22 17:37 |            |          | 155    | 156.3 | mg/L  |      |       |       | 1   | 20    |      |
| WG545933LCSW9   | LCSW | 07/07/22 19:54 | WC220701-2 | 820.0001 |        | 764.5 | mg/L  | 93   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG545867</b> |      |                |            |         |        |       |       |      |        |       |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .1      |        | .1063 | mg/L  | 106  | 90     | 110   |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .050065 |        | .0501 | mg/L  | 100  | 85     | 115   |     |       |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .050065 | .011   | .0561 | mg/L  | 90   | 70     | 130   |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .050065 | .011   | .0558 | mg/L  | 89   | 70     | 130   | 1   | 20    |      |

**Aluminum, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG545921</b> |      |                |            |         |        |       |       |      |        |       |     |       |      |
| WG545921ICV     | ICV  | 07/07/22 10:32 | MS220701-3 | .1      |        | .1003 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG545921ICB     | ICB  | 07/07/22 10:34 |            |         |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG545763LRB     | LRB  | 07/07/22 10:36 |            |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG545763LFB     | LFB  | 07/07/22 10:38 | MS220627-2 | .050065 |        | .0485 | mg/L  | 97   | 85     | 115   |     |       |      |
| L74245-02LFM    | LFM  | 07/07/22 11:23 | MS220627-2 | .050065 | .0074  | .0547 | mg/L  | 94   | 70     | 130   |     |       |      |
| L74245-02LFMD   | LFMD | 07/07/22 11:25 | MS220627-2 | .050065 | .0074  | .0516 | mg/L  | 88   | 70     | 130   | 6   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .05    |        | .05202 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .05005 |        | .05154 | mg/L  | 103  | 85       | 115     |     |       |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .05005 | .00049 | .05557 | mg/L  | 110  | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .05005 | .00049 | .05478 | mg/L  | 108  | 70       | 130     | 1   | 20    |      |

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545921</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG545921ICV     | ICV  | 07/07/22 10:32 | MS220701-3 | .05    |        | .05134 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG545921ICB     | ICB  | 07/07/22 10:34 |            |        |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG545763LRB     | LRB  | 07/07/22 10:36 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545763LFB     | LFB  | 07/07/22 10:38 | MS220627-2 | .05005 |        | .04962 | mg/L  | 99   | 85       | 115     |     |       |      |
| L74245-02LFM    | LFM  | 07/07/22 11:23 | MS220627-2 | .05005 | .00072 | .05169 | mg/L  | 102  | 70       | 130     |     |       |      |
| L74245-02LFMD   | LFMD | 07/07/22 11:25 | MS220627-2 | .05005 | .00072 | .05123 | mg/L  | 101  | 70       | 130     | 1   | 20    |      |



**OURAYSM**

ACZ Project ID: **L74245**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .05    |         | .053793 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .05005 |         | .05133  | mg/L  | 103  | 85       | 115     |     |       |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .05005 | .000745 | .052957 | mg/L  | 104  | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .05005 | .000745 | .051927 | mg/L  | 102  | 70       | 130     | 2   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|---------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG546004</b> |      |               |            |        |        |         |       |      |          |         |     |       |      |
| WG546004ICV     | ICV  | 07/08/22 8:24 | MS220701-3 | .05    |        | .052045 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG546004ICB     | ICB  | 07/08/22 8:26 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG545895LRB     | LRB  | 07/08/22 8:28 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG545895LFB     | LFB  | 07/08/22 8:30 | MS220627-2 | .05005 |        | .049382 | mg/L  | 99   | 85       | 115     |     |       |      |
| L74245-03LFM    | LFM  | 07/08/22 9:16 | MS220627-2 | .05005 | U      | .050009 | mg/L  | 100  | 70       | 130     |     |       |      |
| L74245-03LFMD   | LFMD | 07/08/22 9:18 | MS220627-2 | .05005 | U      | .050258 | mg/L  | 100  | 70       | 130     | 0   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 100      |        | 95.5  | mg/L  | 96   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | 67.98862 |        | 68.35 | mg/L  | 101  | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | 67.98862 | 21.3   | 87.27 | mg/L  | 97   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | 67.98862 | 21.3   | 88.96 | mg/L  | 100  | 85    | 115   | 2   | 20    |      |

**Carbon, dissolved organic (DOC)**

SM5310B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545792</b> |      |                |            |    |        |       |       |      |       |       |     |       |      |
| WG545792LFB     | LFB  | 07/06/22 19:35 | WI220510-9 | 50 |        | 49.1  | mg/L  | 98   | 90    | 110   |     |       |      |
| L74242-02DUP    | DUP  | 07/06/22 20:01 |            |    | 3.3    | 3.2   | mg/L  |      |       |       | 3   | 20    | RA   |
| L74242-03AS     | AS   | 07/06/22 20:34 | WI220510-9 | 50 | 3.7    | 53.7  | mg/L  | 100  | 90    | 110   |     |       |      |
| L74245-02DUP    | DUP  | 07/06/22 23:28 |            |    | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L74245-03AS     | AS   | 07/07/22 0:00  | WI220510-9 | 50 | U      | 50.9  | mg/L  | 102  | 90    | 110   |     |       |      |

**Chloride**

SM4500Cl-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546070</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG546070ICV     | ICV  | 07/08/22 15:05 | WI220502-12 | 54.945 |        | 57.04 | mg/L  | 104  | 90    | 110   |     |       |      |
| WG546070ICB     | ICB  | 07/08/22 15:05 |             |        |        | .73   | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG546070LFB     | LFB  | 07/08/22 15:06 | WI220328-1  | 29.97  |        | 28.04 | mg/L  | 94   | 90    | 110   |     |       |      |
| L74244-02AS     | AS   | 07/08/22 15:14 | WI220328-1  | 29.97  | .91    | 30.57 | mg/L  | 99   | 90    | 110   |     |       |      |
| L74244-03DUP    | DUP  | 07/08/22 15:15 |             |        | .65    | .64   | mg/L  |      |       |       | 2   | 20    | RA   |

**OURAYSM**

ACZ Project ID: **L74245**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .05 |        | .05438 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .05 |        | .05079 | mg/L  | 102  | 85       | 115     |     |       |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .05 | .00153 | .04963 | mg/L  | 96   | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .05 | .00153 | .049   | mg/L  | 95   | 70       | 130     | 1   | 20    |      |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG547095</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG547095ICV     | ICV  | 07/25/22 10:53 | WC220714-1 | 2.008 |        | 2.05  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG547095ICB     | ICB  | 07/25/22 10:57 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG547095LFB     | LFB  | 07/25/22 11:06 | WC220606-1 | 5.02  |        | 5.07  | mg/L  | 101  | 90    | 110   |     |       |      |
| L74244-01AS     | AS   | 07/25/22 11:18 | WC220606-1 | 5.02  | .28    | 5.24  | mg/L  | 99   | 90    | 110   |     |       |      |
| L74244-01ASD    | ASD  | 07/25/22 11:22 | WC220606-1 | 5.02  | .28    | 5.24  | mg/L  | 99   | 90    | 110   | 0   | 20    |      |
| <b>WG547154</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG547154ICV     | ICV  | 07/25/22 16:57 | WC220714-1 | 2.008 |        | 1.96  | mg/L  | 98   | 90    | 110   |     |       |      |
| WG547154ICB     | ICB  | 07/25/22 17:01 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG547154LFB1    | LFB  | 07/25/22 17:09 | WC220606-1 | 5.02  |        | 5     | mg/L  | 100  | 90    | 110   |     |       |      |
| L74144-03AS     | AS   | 07/25/22 17:22 | WC220606-1 | 5.02  | 1.12   | 5.86  | mg/L  | 94   | 90    | 110   |     |       |      |
| L74144-03ASD    | ASD  | 07/25/22 17:28 | WC220606-1 | 5.02  | 1.12   | 5.73  | mg/L  | 92   | 90    | 110   | 2   | 20    |      |
| WG547154LFB2    | LFB  | 07/25/22 19:50 | WC220606-1 | 5.02  |        | 5.31  | mg/L  | 106  | 90    | 110   |     |       |      |

**Iron, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG545867</b> |      |                |            |        |        |       |       |      |         |        |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .10016 |        | .1059 | mg/L  | 106  | 90      | 110    |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .04975 |        | .0503 | mg/L  | 101  | 85      | 115    |     |       |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .04975 | U      | .0515 | mg/L  | 104  | 70      | 130    |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .04975 | U      | .0513 | mg/L  | 103  | 70      | 130    | 0   | 20    |      |

**Iron, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG545921</b> |      |                |            |        |        |       |       |      |         |        |     |       |      |
| WG545921ICV     | ICV  | 07/07/22 10:32 | MS220701-3 | .10016 |        | .1017 | mg/L  | 102  | 90      | 110    |     |       |      |
| WG545921ICB     | ICB  | 07/07/22 10:34 |            |        |        | U     | mg/L  |      | -0.021  | 0.021  |     |       |      |
| WG545763LRB     | LRB  | 07/07/22 10:36 |            |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG545763LFB     | LFB  | 07/07/22 10:38 | MS220627-2 | .04975 |        | .0496 | mg/L  | 100  | 85      | 115    |     |       |      |
| L74245-02LFM    | LFM  | 07/07/22 11:23 | MS220627-2 | .04975 | .008   | .0573 | mg/L  | 99   | 70      | 130    |     |       |      |
| L74245-02LFMD   | LFMD | 07/07/22 11:25 | MS220627-2 | .04975 | .008   | .0559 | mg/L  | 96   | 70      | 130    | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74245**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .05   |        | .05373 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .0501 |        | .05018 | mg/L  | 100  | 85       | 115     |     |       |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .0501 | .00017 | .05269 | mg/L  | 105  | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .0501 | .00017 | .05152 | mg/L  | 102  | 70       | 130     | 2   | 20    |      |
| <b>WG546020</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG546020ICV     | ICV  | 07/08/22 9:51  | MS220701-3 | .05   |        | .0518  | mg/L  | 104  | 90       | 110     |     |       |      |
| WG546020ICB     | ICB  | 07/08/22 9:53  |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG546020LFB     | LFB  | 07/08/22 9:55  | MS220627-2 | .0501 |        | .04724 | mg/L  | 94   | 85       | 115     |     |       |      |
| L74281-01AS     | AS   | 07/08/22 10:40 | MS220627-2 | .0501 | U      | .04701 | mg/L  | 94   | 70       | 130     |     |       |      |
| L74281-01ASD    | ASD  | 07/08/22 10:42 | MS220627-2 | .0501 | U      | .04743 | mg/L  | 95   | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG546004</b> |      |               |            |       |        |        |       |      |          |         |     |       |      |
| WG546004ICV     | ICV  | 07/08/22 8:24 | MS220701-3 | .05   |        | .0521  | mg/L  | 104  | 90       | 110     |     |       |      |
| WG546004ICB     | ICB  | 07/08/22 8:26 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG545895LRB     | LRB  | 07/08/22 8:28 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545895LFB     | LFB  | 07/08/22 8:30 | MS220627-2 | .0501 |        | .04996 | mg/L  | 100  | 85       | 115     |     |       |      |
| L74245-03LFM    | LFM  | 07/08/22 9:16 | MS220627-2 | .0501 | .00056 | .05066 | mg/L  | 100  | 70       | 130     |     |       |      |
| L74245-03LFMD   | LFMD | 07/08/22 9:18 | MS220627-2 | .0501 | .00056 | .05041 | mg/L  | 100  | 70       | 130     | 0   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546453</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546453ICV     | ICV  | 07/14/22 11:02 | II220624-2 | 100      |        | 96.28 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG546453ICB     | ICB  | 07/14/22 11:08 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546453LFB     | LFB  | 07/14/22 11:21 | II220628-3 | 49.99809 |        | 47.44 | mg/L  | 95   | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/14/22 12:29 | II220628-3 | 49.99809 | 1.04   | 48.11 | mg/L  | 94   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/14/22 12:38 | II220628-3 | 49.99809 | 1.04   | 48.41 | mg/L  | 95   | 85    | 115   | 1   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 2    |        | 1.912 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | .499 |        | .508  | mg/L  | 102  | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | .499 | .276   | .756  | mg/L  | 96   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | .499 | .276   | .766  | mg/L  | 98   | 85    | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74245**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG541979</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG541979ICV1    | ICV  | 05/11/22 11:12 | HG220325-4 | 10 |        | 10    | ng/L  | 100  | 79     | 121   |     |       |      |
| WG541979ICB1    | ICB  | 05/11/22 11:17 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG545960</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG545960CCV1    | CCV  | 07/07/22 10:26 | HG220609-5 | 10 |        | 10.1  | ng/L  | 101  | 76.5   | 123.4 |     |       |      |
| WG545960CCB1    | CCB  | 07/07/22 10:31 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG545960PQV     | PQV  | 07/07/22 10:36 | HG220627-5 | 1  |        | 1.16  | ng/L  | 116  | 70     | 130   |     |       |      |
| WG545960CCV2    | CCV  | 07/07/22 12:59 | HG220609-5 | 10 |        | 9.34  | ng/L  | 93   | 76.5   | 123.4 |     |       |      |
| WG545960CCB2    | CCB  | 07/07/22 13:04 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG545960LFB     | LFB  | 07/07/22 13:26 | HG220627-4 | 2  |        | 2.03  | ng/L  | 102  | 71     | 125   |     |       |      |
| WG545960CCV3    | CCV  | 07/07/22 14:18 | HG220609-5 | 10 |        | 9.72  | ng/L  | 97   | 76.5   | 123.4 |     |       |      |
| WG545960CCB3    | CCB  | 07/07/22 14:23 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG545960CCV4    | CCV  | 07/07/22 15:17 | HG220609-5 | 10 |        | 9.47  | ng/L  | 95   | 76.5   | 123.4 |     |       |      |
| WG545960CCB4    | CCB  | 07/07/22 15:21 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| L74245-02MS     | MS   | 07/07/22 15:31 | HG220627-4 | 2  | .45    | 2.26  | ng/L  | 91   | 71     | 125   |     |       |      |
| L74245-02MSD    | MSD  | 07/07/22 15:36 | HG220627-4 | 2  | .45    | 2.25  | ng/L  | 90   | 71     | 125   | 0   | 24    |      |
| WG545960CCV5    | CCV  | 07/07/22 16:04 | HG220609-5 | 10 |        | 9.3   | ng/L  | 93   | 76.5   | 123.4 |     |       |      |
| WG545960CCB5    | CCB  | 07/07/22 16:09 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546414</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546414ICV     | ICV  | 07/13/22 23:00 | WI220602-3 | 2.4161 |        | 2.34  | mg/L  | 97   | 90    | 110   |     |       |      |
| WG546414ICB     | ICB  | 07/13/22 23:02 |            |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG546418</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546418LFB1    | LFB  | 07/14/22 2:09  | WI220630-7 | 2      |        | 2.018 | mg/L  | 101  | 90    | 110   |     |       |      |
| L74242-03DUP    | DUP  | 07/14/22 2:33  |            |        | 3.24   | 3.196 | mg/L  |      |       |       | 1   | 20    |      |
| WG546418LFB2    | LFB  | 07/14/22 3:36  | WI220630-7 | 2      |        | 2.037 | mg/L  | 102  | 90    | 110   |     |       |      |
| L74245-02AS     | AS   | 07/14/22 3:38  | WI220630-7 | 2      | .869   | 2.999 | mg/L  | 107  | 90    | 110   |     |       |      |
| L74245-03DUP    | DUP  | 07/14/22 3:41  |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L74242-02AS     | AS   | 07/14/22 3:50  | WI220630-7 | 6      | 2.49   | 8.726 | mg/L  | 104  | 90    | 110   |     |       |      |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 20       |        | 19.03 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | 99.95798 |        | 96.39 | mg/L  | 96   | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | 99.95798 | .5     | 96.54 | mg/L  | 96   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | 99.95798 | .5     | 98.01 | mg/L  | 98   | 85    | 115   | 2   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545712</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG545712PBW     | PBW  | 07/05/22 13:20 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG545712LCSW    | LCSW | 07/05/22 13:22 | PCN65052 | 1000 |        | 980   | mg/L  | 98   | 80    | 120   |     |       |      |
| L74285-03DUP    | DUP  | 07/05/22 14:20 |          |      | 1030   | 1032  | mg/L  |      |       |       | 0   | 10    |      |

**OURAYSM**

ACZ Project ID: **L74245**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545803</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG545803PBW     | PBW  | 07/06/22 9:50  |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG545803LCSW    | LCSW | 07/06/22 9:52  | PCN65052 | 100 |        | 97    | mg/L  | 97   | 80    | 120   |     |       |      |
| L74245-04DUP    | DUP  | 07/06/22 10:26 |          |     | U      | 5     | mg/L  |      |       |       | 200 | 10    | RA   |
| L74312-01DUP    | DUP  | 07/06/22 10:50 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545867</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545867ICV     | ICV  | 07/06/22 15:41 | MS220701-3 | .02 |        | .02144 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG545867ICB     | ICB  | 07/06/22 15:42 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545867LFB     | LFB  | 07/06/22 15:44 | MS220627-2 | .01 |        | .01021 | mg/L  | 102  | 85       | 115     |     |       |      |
| L74244-04AS     | AS   | 07/06/22 16:18 | MS220627-2 | .01 | U      | .00899 | mg/L  | 90   | 70       | 130     |     |       |      |
| L74244-04ASD    | ASD  | 07/06/22 16:20 | MS220627-2 | .01 | U      | .00939 | mg/L  | 94   | 70       | 130     | 4   | 20    |      |

**Sodium, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 100      |        | 95.2  | mg/L  | 95   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | 100.0023 |        | 97.07 | mg/L  | 97   | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | 100.0023 | 1.77   | 98.11 | mg/L  | 96   | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | 100.0023 | 1.77   | 99.54 | mg/L  | 98   | 85    | 115   | 1   | 20    |      |

**Sulfate D516-02/-07/-11 - TURBIDIMETRIC**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545993</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG545993ICB     | ICB  | 07/08/22 9:59  |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG545993ICV     | ICV  | 07/08/22 9:59  | WI220705-4 | 19.54 |        | 19.5  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG545993LFB1    | LFB  | 07/08/22 11:01 | WI220415-3 | 9.95  |        | 9.2   | mg/L  | 92   | 90    | 110   |     |       |      |
| WG545993LFB2    | LFB  | 07/08/22 11:42 | WI220415-3 | 9.95  |        | 9.4   | mg/L  | 94   | 90    | 110   |     |       |      |
| L74243-07DUP    | DUP  | 07/08/22 11:51 |            |       | 57.2   | 57.5  | mg/L  |      |       |       | 1   | 20    |      |
| L74244-01AS     | AS   | 07/08/22 14:57 | WI220415-3 | 19.9  | 37.8   | 58.9  | mg/L  | 106  | 90    | 110   |     |       |      |

**Zinc, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546284</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546284ICV     | ICV  | 07/13/22 15:01 | II220624-2 | 2      |        | 1.901 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG546284ICB     | ICB  | 07/13/22 15:07 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG546284LFB     | LFB  | 07/13/22 15:20 | II220628-3 | .50045 |        | .52   | mg/L  | 104  | 85    | 115   |     |       |      |
| L74245-01AS     | AS   | 07/13/22 16:27 | II220628-3 | .50045 | .214   | .72   | mg/L  | 101  | 85    | 115   |     |       |      |
| L74245-01ASD    | ASD  | 07/13/22 16:37 | II220628-3 | .50045 | .214   | .73   | mg/L  | 103  | 85    | 115   | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L74245**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                   | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L74245-01</b> | WG545792 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG546070 | Chloride                            | SM4500CI-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545803 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L74245-02</b> | WG545792 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG546070 | Chloride                            | SM4500CI-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545867 | Iron, dissolved                     | M200.8 ICP-MS            | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  |          | Lead, dissolved                     | M200.8 ICP-MS            | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  | WG546418 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545803 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L74245-03</b> | WG545792 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG546070 | Chloride                            | SM4500CI-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545867 | Iron, dissolved                     | M200.8 ICP-MS            | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  |          | Lead, dissolved                     | M200.8 ICP-MS            | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  | WG546418 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545712 | Residue, Filterable (TDS) @180C     | SM2540C                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG545803 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L74245-04</b> | WG545792 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG546070 | Chloride                            | SM4500CI-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545867 | Iron, dissolved                     | M200.8 ICP-MS            | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  |          | Lead, dissolved                     | M200.8 ICP-MS            | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  | WG546418 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG545803 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L74245**

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

|                         |               |
|-------------------------|---------------|
| Iron, dissolved         | M200.8 ICP-MS |
| Iron, total recoverable | M200.8 ICP-MS |

Ouray Silver Mines

ACZ Project ID: L74245

Date Received: 06/30/2022 10:34

Received By:

Date Printed: 7/1/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 7203      | 3.4       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.



Ouray Silver Mines

ACZ Project ID: L74245

Date Received: 06/30/2022 10:34

Received By:

Date Printed: 7/1/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

**Laboratories, Inc.**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

**L74245****CHAIN of CUSTODY****Report to:**

Name: Todd Jesse

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1

Ouray, CO 81427

Telephone: 720-469-7557

**Copy of Report to:**

Name: Poppy Staub

Company: Ouray Silver Mines

E-mail: environmental@ouraysilvermines.com

Telephone: 970-325-9830

**Invoice to:**

Name: Don Cordson

Company: Ouray Silver Mines

E-mail: payable@ouraysilvermines.com

Address: PO Box 564

Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

**Are samples for SDWA Compliance Monitoring?**Yes ☐No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse

Sampler's Site Information

State CO

Zip code 81427

Time Zone mnt

\*Sampler's Signature:

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

**PROJECT INFORMATION**

ANALYSES REQUESTED (attach list or use quote number)

Quote #: SW

PO#:

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

| SAMPLE IDENTIFICATION |  | DATE:TIME       | Matrix | # of Containers | SW                                  |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|--|-----------------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| SW-1                  |  | 6/29/22 : 08:20 | SW     | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-99                 |  | 6/29/22 : 09:44 | SW     | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-0                  |  | 6/29/22 : 10:25 | SW     | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-3                  |  | 6/29/22 : 09:06 | SW     | 7               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| HG Trip Blank         |  | 6/29/22 : 10:59 | SW     | 2               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |  |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

**REMARKS**

Please refer to ACZ's terms &amp; conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

6/29/22 13:00

6/30/22 10:34

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

February 02, 2023

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L76708

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 17, 2022. This project has been assigned to ACZ's project number, L76708. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L76708. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after March 04, 2023. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

*Mark McNeal*

Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: SW-17

ACZ Sample ID: **L76708-01**

Date Sampled: 10/06/22 10:53

Date Received: 10/17/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/19/22 16:10 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/21/22 14:51 | kja     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0131   | B    |    | mg/L  | 0.005   | 0.015   | 10/25/22 12:29 | gjl/scp |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.131    |      |    | mg/L  | 0.005   | 0.015   | 10/24/22 10:58 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00073  | B    |    | mg/L  | 0.0002  | 0.001   | 10/25/22 12:29 | gjl/scp |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00093  | B    |    | mg/L  | 0.0002  | 0.001   | 10/24/22 10:58 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000058 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/25/22 12:29 | gjl/scp |
| Cadmium, total              | M200.8 ICP-MS               | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 10/21/22 17:30 | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 24.0     |      |    | mg/L  | 0.1     | 0.5     | 11/07/22 19:34 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/25/22 12:29 | gjl/scp |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | 0.0094   | B    | *  | mg/L  | 0.007   | 0.02    | 10/25/22 12:29 | gjl/scp |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.110    |      | *  | mg/L  | 0.007   | 0.02    | 10/26/22 16:42 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00015  | B    |    | mg/L  | 0.0001  | 0.0005  | 10/25/22 12:29 | gjl/scp |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00074  |      |    | mg/L  | 0.0001  | 0.0005  | 10/21/22 17:30 | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.25     |      |    | mg/L  | 0.2     | 1       | 11/07/22 19:34 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 11/07/22 19:34 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.45     | B    |    | ng/L  | 0.3     | 1       | 10/25/22 11:41 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.49     | B    |    | mg/L  | 0.2     | 1       | 11/07/22 19:34 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 11/02/22 12:54 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.40     |      |    | mg/L  | 0.2     | 1       | 11/07/22 19:34 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.024    | B    |    | mg/L  | 0.02    | 0.05    | 11/07/22 19:34 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-17

ACZ Sample ID: **L76708-01**

Date Sampled: 10/06/22 10:53

Date Received: 10/17/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 33.4   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 33.4   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.6    | B    | *  | mg/L  | 1    | 5    | 10/27/22 22:14 | bls     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 02/02/23 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.5    |      |    | meq/L |      |      | 02/02/23 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.5    |      |    | meq/L |      |      | 02/02/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L  | 1    | 2    | 10/22/22 11:17 | gkk     |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.20   | B    | *  | mg/L  | 0.15 | 0.35 | 11/01/22 14:33 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 69     |      |    | mg/L  | 0.2  | 5    | 02/02/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.156  |      | *  | mg/L  | 0.02 | 0.1  | 10/30/22 1:18  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 104    | H    | *  | mg/L  | 20   | 40   | 10/27/22 14:06 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 10/19/22 15:34 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 39.7   |      | *  | mg/L  | 5    | 25   | 10/20/22 15:50 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 88.5   |      |    | mg/L  |      |      | 02/02/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.18   |      |    |       |      |      | 02/02/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-3

ACZ Sample ID: **L76708-02**

Date Sampled: 10/06/22 12:17

Date Received: 10/17/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/19/22 16:10 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/21/22 15:03 | kja     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | <0.005   | U    |    | mg/L  | 0.005   | 0.015   | 10/25/22 12:32 | gjl/scp |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | <0.005   | U    |    | mg/L  | 0.005   | 0.015   | 10/24/22 11:00 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00074  | B    |    | mg/L  | 0.0002  | 0.001   | 10/25/22 12:32 | gjl/scp |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00075  | B    |    | mg/L  | 0.0002  | 0.001   | 10/24/22 11:00 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000438 |      |    | mg/L  | 0.00005 | 0.00025 | 10/25/22 12:32 | gjl/scp |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000404 |      |    | mg/L  | 0.00005 | 0.00025 | 10/21/22 17:31 | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 55.8     |      |    | mg/L  | 0.1     | 0.5     | 11/07/22 19:50 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/25/22 12:32 | gjl/scp |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 10/25/22 12:32 | gjl/scp |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 10/26/22 16:43 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00012  | B    |    | mg/L  | 0.0001  | 0.0005  | 10/25/22 12:32 | gjl/scp |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00040  | B    |    | mg/L  | 0.0001  | 0.0005  | 10/21/22 17:31 | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 3.79     |      |    | mg/L  | 0.2     | 1       | 11/07/22 19:50 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 11/07/22 19:50 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | <0.3     | U    |    | ng/L  | 0.3     | 1       | 10/25/22 11:46 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.92     | B    |    | mg/L  | 0.2     | 1       | 11/07/22 19:50 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 11/02/22 13:04 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 4.55     |      |    | mg/L  | 0.2     | 1       | 11/07/22 19:50 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.316    |      |    | mg/L  | 0.02    | 0.05    | 11/07/22 19:50 | keh1    |

### Ouray Silver Mines

Project ID:

Sample ID: SW-3

ACZ Sample ID: **L76708-02**

Date Sampled: 10/06/22 12:17

Date Received: 10/17/22

Sample Matrix: Surface Water

#### Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 55.5   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 55.5   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.1    | B    | *  | mg/L  | 1    | 5    | 10/27/22 22:29 | bls     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -5.7   |      |    | %     |      |      | 02/02/23 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 3.7    |      |    | meq/L |      |      | 02/02/23 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 3.3    |      |    | meq/L |      |      | 02/02/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | 2.89   |      | *  | mg/L  | 1    | 2    | 10/22/22 10:47 | gkk     |
| Fluoride                                  | SM4500F-C                                         | 1        | 0.20   | B    | *  | mg/L  | 0.15 | 0.35 | 11/01/22 14:49 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 155    |      |    | mg/L  | 0.2  | 5    | 02/02/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 1.77   |      | *  | mg/L  | 0.02 | 0.1  | 10/30/22 1:20  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 238    | H    | *  | mg/L  | 20   | 40   | 10/19/22 13:56 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 10/19/22 15:36 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 120    |      | *  | mg/L  | 5    | 25   | 10/20/22 15:50 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 222    |      |    | mg/L  |      |      | 02/02/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.07   |      |    |       |      |      | 02/02/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-1

ACZ Sample ID: **L76708-03**

Date Sampled: 10/06/22 11:51

Date Received: 10/17/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/19/22 16:10 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      | *  |       |     |     | 11/03/22 10:45 | mfm     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result  | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|---------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0128  | B    |    | mg/L  | 0.005   | 0.015   | 10/25/22 12:34 | gjl/scp |
| Aluminum, total recoverable | M200.8 ICP-MS               | 10       | <0.05   | U    |    | mg/L  | 0.05    | 0.15    | 11/07/22 11:55 | mfm     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00034 | B    |    | mg/L  | 0.0002  | 0.001   | 10/25/22 12:34 | gjl/scp |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 5        | 0.00114 | B    |    | mg/L  | 0.001   | 0.005   | 10/27/22 18:52 | mfm     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.00134 |      |    | mg/L  | 0.00005 | 0.00025 | 10/25/22 12:34 | gjl/scp |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.00128 |      |    | mg/L  | 0.00005 | 0.00025 | 10/21/22 17:33 | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 38.0    |      |    | mg/L  | 0.1     | 0.5     | 11/07/22 17:52 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008 | U    |    | mg/L  | 0.0008  | 0.002   | 10/25/22 12:34 | gjl/scp |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | 0.0141  | B    | *  | mg/L  | 0.007   | 0.02    | 10/25/22 12:34 | gjl/scp |
| Iron, total recoverable     | M200.8 ICP-MS               | 5        | 0.236   |      | *  | mg/L  | 0.035   | 0.1     | 10/27/22 18:52 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | <0.0001 | U    |    | mg/L  | 0.0001  | 0.0005  | 10/25/22 12:34 | gjl/scp |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00102 |      |    | mg/L  | 0.0001  | 0.0005  | 10/21/22 17:33 | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.39    |      |    | mg/L  | 0.2     | 1       | 11/07/22 17:52 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.743   |      |    | mg/L  | 0.01    | 0.05    | 11/07/22 17:52 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | <0.3    | U    |    | ng/L  | 0.3     | 1       | 10/25/22 11:51 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.74    | B    |    | mg/L  | 0.2     | 1       | 11/07/22 17:52 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001 | U    |    | mg/L  | 0.0001  | 0.0005  | 11/02/22 13:06 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 2.95    |      | *  | mg/L  | 0.2     | 1       | 11/07/22 17:52 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.486   |      |    | mg/L  | 0.02    | 0.05    | 11/07/22 17:52 | aeH     |



**Ouray Silver Mines**

Project ID:

Sample ID: SW-1

ACZ Sample ID: **L76708-03**

Date Sampled: 10/06/22 11:51

Date Received: 10/17/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 32.5   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 32.5   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 10/27/22 22:44 | bls     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -2.1   |      |    | %     |      |      | 02/02/23 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 2.4    |      |    | meq/L |      |      | 02/02/23 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 2.3    |      |    | meq/L |      |      | 02/02/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L  | 1    | 2    | 10/22/22 10:47 | gkk     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    | *  | mg/L  | 0.15 | 0.35 | 11/01/22 14:55 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 105    |      |    | mg/L  | 0.2  | 5    | 02/02/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.339  |      | *  | mg/L  | 0.02 | 0.1  | 10/30/22 1:21  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 168    | H    | *  | mg/L  | 20   | 40   | 10/19/22 13:59 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 10/19/22 15:39 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 81.1   |      | *  | mg/L  | 5    | 25   | 10/20/22 15:50 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 146    |      |    | mg/L  |      |      | 02/02/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.15   |      |    |       |      |      | 02/02/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-2

ACZ Sample ID: **L76708-04**

Date Sampled: 10/06/22 10:20

Date Received: 10/17/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/19/22 16:10 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/21/22 15:28 | kja     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0072   | B    |    | mg/L  | 0.005   | 0.015   | 10/25/22 12:36 | gjl/scp |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0959   |      |    | mg/L  | 0.005   | 0.015   | 10/24/22 11:02 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00084  | B    |    | mg/L  | 0.0002  | 0.001   | 10/25/22 12:36 | gjl/scp |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00111  |      |    | mg/L  | 0.0002  | 0.001   | 10/24/22 11:02 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000161 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/25/22 12:36 | gjl/scp |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000139 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/21/22 17:43 | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 25.3     |      |    | mg/L  | 0.1     | 0.5     | 11/07/22 17:55 | aeH     |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/25/22 12:36 | gjl/scp |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 10/25/22 12:36 | gjl/scp |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.0776   |      | *  | mg/L  | 0.007   | 0.02    | 10/26/22 16:45 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00011  | B    |    | mg/L  | 0.0001  | 0.0005  | 10/25/22 12:36 | gjl/scp |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00098  |      |    | mg/L  | 0.0001  | 0.0005  | 10/21/22 17:43 | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.51     |      |    | mg/L  | 0.2     | 1       | 11/07/22 17:55 | aeH     |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.031    | B    |    | mg/L  | 0.01    | 0.05    | 11/07/22 17:55 | aeH     |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.45     | B    |    | ng/L  | 0.3     | 1       | 10/25/22 11:55 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.74     | B    |    | mg/L  | 0.2     | 1       | 11/07/22 17:55 | aeH     |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 11/02/22 13:07 | mfm     |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.77     |      | *  | mg/L  | 0.2     | 1       | 11/07/22 17:55 | aeH     |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.060    |      |    | mg/L  | 0.02    | 0.05    | 11/07/22 17:55 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-2

ACZ Sample ID: **L76708-04**

Date Sampled: 10/06/22 10:20

Date Received: 10/17/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 33.7   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 33.7   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.1    | B    | *  | mg/L  | 1    | 5    | 10/27/22 23:15 | bls     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 3.2    |      |    | %     |      |      | 02/02/23 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.5    |      |    | meq/L |      |      | 02/02/23 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.6    |      |    | meq/L |      |      | 02/02/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L  | 1    | 2    | 10/22/22 10:47 | gkk     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    | *  | mg/L  | 0.15 | 0.35 | 11/01/22 15:00 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 74     |      |    | mg/L  | 0.2  | 5    | 02/02/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.127  |      | *  | mg/L  | 0.02 | 0.1  | 10/30/22 1:27  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 112    | H    | *  | mg/L  | 20   | 40   | 10/19/22 14:01 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 10/19/22 15:42 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 40.0   |      | *  | mg/L  | 5    | 25   | 10/20/22 15:52 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 91     |      |    | mg/L  |      |      | 02/02/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.23   |      |    |       |      |      | 02/02/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: HG TRIP BLANK

ACZ Sample ID: **L76708-05**

Date Sampled: 10/06/22 12:50

Date Received: 10/17/22

Sample Matrix: *Surface Water*

## Metals Analysis

| Parameter      | EPA Method                  | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|----------------|-----------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Mercury, total | M1631E, Atomic Fluorescence | 1        | <0.3   | U    |    | ng/L  | 0.3 | 1   | 10/25/22 12:10 | scp     |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L76708**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual  |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|-------|
| <b>WG553186</b> |      |                |            |          |        |       |       |      |       |       |     |       |       |
| WG553186PBW1    | PBW  | 10/19/22 21:38 |            |          |        | 5.8   | mg/L  |      | -20   | 20    |     |       |       |
| WG553186LCSW3   | LCSW | 10/19/22 21:57 | WC221018-7 | 820.0001 |        | 762.6 | mg/L  | 93   | 90    | 110   |     |       |       |
| WG553186LCSW6   | LCSW | 10/20/22 0:19  | WC221018-7 | 820.0001 |        | 770.3 | mg/L  | 94   | 90    | 110   |     |       |       |
| WG553186PBW2    | PBW  | 10/20/22 0:26  |            |          |        | 10.7  | mg/L  |      | -20   | 20    |     |       |       |
| WG553186LCSW9   | LCSW | 10/20/22 2:51  | WC221018-7 | 820.0001 |        | 770.5 | mg/L  | 94   | 90    | 110   |     |       |       |
| WG553186PBW3    | PBW  | 10/20/22 2:59  |            |          |        | 10.2  | mg/L  |      | -20   | 20    |     |       |       |
| WG553186LCSW12  | LCSW | 10/20/22 5:35  | WC221018-7 | 820.0001 |        | 777.1 | mg/L  | 95   | 90    | 110   |     |       |       |
| WG553186PBW4    | PBW  | 10/20/22 8:52  |            |          |        | 36.9  | mg/L  |      | -20   | 20    |     |       | B4 BF |
| WG553186LCSW15  | LCSW | 10/20/22 11:39 | WC221018-7 | 820.0001 |        | 770.1 | mg/L  | 94   | 90    | 110   |     |       |       |
| WG553186PBW5    | PBW  | 10/20/22 11:48 |            |          |        | 9.9   | mg/L  |      | -20   | 20    |     |       |       |
| L76711-01DUP    | DUP  | 10/20/22 12:58 |            |          | 61.3   | 59.3  | mg/L  |      |       |       | 3   | 20    |       |
| WG553186LCSW18  | LCSW | 10/20/22 13:19 | WC221018-7 | 820.0001 |        | 786.6 | mg/L  | 96   | 90    | 110   |     |       |       |

**Aluminum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG553503</b> |      |                |            |         |        |       |       |      |        |       |     |       |      |
| WG553503ICV     | ICV  | 10/25/22 12:22 | MS220930-3 | .1      |        | .0962 | mg/L  | 96   | 90     | 110   |     |       |      |
| WG553503ICB     | ICB  | 10/25/22 12:25 |            |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG553503LFB     | LFB  | 10/25/22 12:27 | MS221012-7 | .050065 |        | .0447 | mg/L  | 89   | 85     | 115   |     |       |      |
| L76753-01AS     | AS   | 10/25/22 12:41 | MS221012-7 | .050065 | .0058  | .0466 | mg/L  | 81   | 70     | 130   |     |       |      |
| L76753-01ASD    | ASD  | 10/25/22 12:43 | MS221012-7 | .050065 | .0058  | .0519 | mg/L  | 92   | 70     | 130   | 11  | 20    |      |

**Aluminum, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG553415</b> |      |                |            |         |        |       |       |      |        |       |     |       |      |
| WG553415ICV     | ICV  | 10/24/22 10:24 | MS220930-3 | .1      |        | .1007 | mg/L  | 101  | 90     | 110   |     |       |      |
| WG553415ICB     | ICB  | 10/24/22 10:26 |            |         |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG553244LRB     | LRB  | 10/24/22 10:28 |            |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG553244LFB     | LFB  | 10/24/22 10:30 | MS221012-7 | .050065 |        | .0477 | mg/L  | 95   | 85     | 115   |     |       |      |
| L76709-03LFB    | LFB  | 10/24/22 11:13 | MS5XW      | .250325 | .0656  | .2901 | mg/L  | 90   | 70     | 130   |     |       |      |
| L76709-03LFMD   | LFMD | 10/24/22 11:15 | MS5XW      | .250325 | .0656  | .2909 | mg/L  | 90   | 70     | 130   | 0   | 20    |      |

**WG554356**

|               |      |                |            |         |       |       |      |     |        |       |   |    |  |
|---------------|------|----------------|------------|---------|-------|-------|------|-----|--------|-------|---|----|--|
| WG554356ICV   | ICV  | 11/07/22 11:33 | MS220930-3 | .1      |       | .1049 | mg/L | 105 | 90     | 110   |   |    |  |
| WG554356ICB   | ICB  | 11/07/22 11:35 |            |         |       | U     | mg/L |     | -0.015 | 0.015 |   |    |  |
| WG554190LRB   | LRB  | 11/07/22 11:37 |            |         |       | U     | mg/L |     | -0.011 | 0.011 |   |    |  |
| WG554190LFB   | LFB  | 11/07/22 11:38 | MS221101-6 | .050065 |       | .0464 | mg/L | 93  | 85     | 115   |   |    |  |
| L76957-01LFB  | LFB  | 11/07/22 11:42 | MS221101-6 | .050065 | .0235 | .0685 | mg/L | 90  | 70     | 130   |   |    |  |
| L76957-01LFMD | LFMD | 11/07/22 11:44 | MS221101-6 | .050065 | .0235 | .0688 | mg/L | 90  | 70     | 130   | 0 | 20 |  |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553503</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG553503ICV     | ICV  | 10/25/22 12:22 | MS220930-3 | .05     |        | .04635 | mg/L  | 93   | 90       | 110     |     |       |      |
| WG553503ICB     | ICB  | 10/25/22 12:25 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG553503LFB     | LFB  | 10/25/22 12:27 | MS221012-7 | .050005 |        | .04519 | mg/L  | 90   | 85       | 115     |     |       |      |
| L76753-01AS     | AS   | 10/25/22 12:41 | MS221012-7 | .050005 | .0174  | .06773 | mg/L  | 101  | 70       | 130     |     |       |      |
| L76753-01ASD    | ASD  | 10/25/22 12:43 | MS221012-7 | .050005 | .0174  | .06895 | mg/L  | 103  | 70       | 130     | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76708**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553415</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG553415ICV     | ICV  | 10/24/22 10:24 | MS220930-3 | .05    |        | .05009 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG553415ICB     | ICB  | 10/24/22 10:26 |            |        |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG553244LRB     | LRB  | 10/24/22 10:28 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG553244LFB     | LFB  | 10/24/22 10:30 | MS221012-7 | .05005 |        | .04923 | mg/L  | 98   | 85       | 115     |     |       |      |
| L76709-03LFM    | LFM  | 10/24/22 11:13 | MS5XW      | .25025 | .00121 | .253   | mg/L  | 101  | 70       | 130     |     |       |      |
| L76709-03LFMD   | LFMD | 10/24/22 11:15 | MS5XW      | .25025 | .00121 | .25875 | mg/L  | 103  | 70       | 130     | 2   | 20    |      |

**WG553796**

|               |      |                |            |        |       |        |      |    |          |         |   |    |  |
|---------------|------|----------------|------------|--------|-------|--------|------|----|----------|---------|---|----|--|
| WG553796ICV   | ICV  | 10/27/22 18:35 | MS220930-3 | .05    |       | .0477  | mg/L | 95 | 90       | 110     |   |    |  |
| WG553796ICB   | ICB  | 10/27/22 18:37 |            |        |       | U      | mg/L |    | -0.0006  | 0.0006  |   |    |  |
| WG553526LRB   | LRB  | 10/27/22 18:39 |            |        |       | U      | mg/L |    | -0.00044 | 0.00044 |   |    |  |
| WG553526LFB   | LFB  | 10/27/22 18:41 | MS221012-7 | .05005 |       | .0465  | mg/L | 93 | 85       | 115     |   |    |  |
| L76746-01LFM  | LFM  | 10/27/22 18:56 | MS2XW      | .1002  | .0005 | .09405 | mg/L | 93 | 70       | 130     |   |    |  |
| L76746-01LFMD | LFMD | 10/27/22 19:02 | MS2XW      | .1002  | .0005 | .09002 | mg/L | 89 | 70       | 130     | 4 | 20 |  |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG553503</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG553503ICV     | ICV  | 10/25/22 12:22 | MS220930-3 | .05    |        | .046772 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG553503ICB     | ICB  | 10/25/22 12:25 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG553503LFB     | LFB  | 10/25/22 12:27 | MS221012-7 | .05005 |        | .046066 | mg/L  | 92   | 85       | 115     |     |       |      |
| L76753-01AS     | AS   | 10/25/22 12:41 | MS221012-7 | .05005 | U      | .048517 | mg/L  | 97   | 70       | 130     |     |       |      |
| L76753-01ASD    | ASD  | 10/25/22 12:43 | MS221012-7 | .05005 | U      | .048069 | mg/L  | 96   | 70       | 130     | 1   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG553363</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG553363ICV     | ICV  | 10/21/22 16:54 | MS220930-3 | .05    |        | .048182 | mg/L  | 96   | 90       | 110     |     |       |      |
| WG553363ICB     | ICB  | 10/21/22 16:56 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG553156LRB     | LRB  | 10/21/22 16:58 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG553156LFB     | LFB  | 10/21/22 17:00 | MS221012-7 | .05005 |        | .047162 | mg/L  | 94   | 85       | 115     |     |       |      |
| L76708-03LFM    | LFM  | 10/21/22 17:35 | MS221012-7 | .05005 | .00128 | .048207 | mg/L  | 94   | 70       | 130     |     |       |      |
| L76708-03LFMD   | LFMD | 10/21/22 17:37 | MS221012-7 | .05005 | .00128 | .04786  | mg/L  | 93   | 70       | 130     | 1   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554369</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554369ICV     | ICV  | 11/07/22 16:13 | II221025-1 | 100      |        | 98.66 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG554369ICB     | ICB  | 11/07/22 16:19 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG554369LFB     | LFB  | 11/07/22 16:31 | II221104-3 | 67.99353 |        | 68.85 | mg/L  | 101  | 85    | 115   |     |       |      |
| L76589-02AS     | AS   | 11/07/22 17:36 | II221104-3 | 67.99353 | 150    | 208.5 | mg/L  | 86   | 85    | 115   |     |       |      |
| L76589-02ASD    | ASD  | 11/07/22 17:45 | II221104-3 | 67.99353 | 150    | 209.1 | mg/L  | 87   | 85    | 115   | 0   | 20    |      |
| <b>WG554357</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554357ICV     | ICV  | 11/07/22 18:45 | II221025-1 | 100      |        | 98.96 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG554357ICB     | ICB  | 11/07/22 18:51 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG554357LFB     | LFB  | 11/07/22 19:04 | II221104-3 | 67.99353 |        | 71.43 | mg/L  | 105  | 85    | 115   |     |       |      |
| L76708-01AS     | AS   | 11/07/22 19:44 | II221104-3 | 67.99353 | 24     | 88.52 | mg/L  | 95   | 85    | 115   |     |       |      |
| L76708-01ASD    | ASD  | 11/07/22 19:47 | II221104-3 | 67.99353 | 24     | 88.57 | mg/L  | 95   | 85    | 115   | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76708**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Carbon, dissolved organic (DOC) SM5310B**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553762</b> |      |                |            |    |        |       |       |      |       |       |     |       |      |
| WG553762LFB1    | LFB  | 10/27/22 19:19 | WI220929-3 | 50 |        | 51.5  | mg/L  | 103  | 90    | 110   |     |       |      |
| L76595-02DUP    | DUP  | 10/27/22 19:52 |            |    | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L76595-03AS     | AS   | 10/27/22 20:21 | WI220929-3 | 50 | U      | 51.9  | mg/L  | 104  | 90    | 110   |     |       |      |
| L76708-03DUP    | DUP  | 10/27/22 22:59 |            |    | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L76708-04AS     | AS   | 10/27/22 23:32 | WI220929-3 | 50 | 1.1    | 53.9  | mg/L  | 106  | 90    | 110   |     |       |      |
| WG553762LFB2    | LFB  | 10/28/22 2:18  | WI220929-3 | 50 |        | 52.3  | mg/L  | 105  | 90    | 110   |     |       |      |

**Chloride SM4500CI-E**

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553368</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG553368ICB     | ICB  | 10/22/22 10:32 |             |        |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG553368ICV     | ICV  | 10/22/22 10:32 | WI220502-12 | 54.945 |        | 55.39 | mg/L  | 101  | 90    | 110   |     |       |      |
| L76708-02DUP    | DUP  | 10/22/22 10:47 |             |        | 2.89   | 2.78  | mg/L  |      |       |       | 4   | 20    | RA   |
| WG553368LFB     | LFB  | 10/22/22 11:17 | WI220328-1  | 29.97  |        | 30.67 | mg/L  | 102  | 90    | 110   |     |       |      |
| L76708-01AS     | AS   | 10/22/22 11:17 | WI220328-1  | 29.97  | U      | 33.66 | mg/L  | 112  | 90    | 110   |     |       | M1   |

**Copper, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553503</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG553503ICV     | ICV  | 10/25/22 12:22 | MS220930-3 | .05 |        | .05039 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG553503ICB     | ICB  | 10/25/22 12:25 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG553503LFB     | LFB  | 10/25/22 12:27 | MS221012-7 | .05 |        | .04675 | mg/L  | 94   | 85       | 115     |     |       |      |
| L76753-01AS     | AS   | 10/25/22 12:41 | MS221012-7 | .05 | .00192 | .04637 | mg/L  | 89   | 70       | 130     |     |       |      |
| L76753-01ASD    | ASD  | 10/25/22 12:43 | MS221012-7 | .05 | .00192 | .0472  | mg/L  | 91   | 70       | 130     | 2   | 20    |      |

**Fluoride SM4500F-C**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553993</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG553993ICV     | ICV  | 11/01/22 11:30 | WC221026-9 | 2.008 |        | 2.02  | mg/L  | 101  | 90    | 110   |     |       |      |
| WG553993ICB     | ICB  | 11/01/22 11:34 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG553993LFB1    | LFB  | 11/01/22 11:43 | WC221011-2 | 5.02  |        | 4.63  | mg/L  | 92   | 90    | 110   |     |       |      |
| WG553993LFB2    | LFB  | 11/01/22 14:17 | WC221011-2 | 5.02  |        | 4.8   | mg/L  | 96   | 90    | 110   |     |       |      |
| L76702-06AS     | AS   | 11/01/22 14:25 | WC221011-2 | 5.02  | .75    | 5.21  | mg/L  | 89   | 90    | 110   |     |       | M2   |
| L76702-06ASD    | ASD  | 11/01/22 14:28 | WC221011-2 | 5.02  | .75    | 5.24  | mg/L  | 89   | 90    | 110   | 1   | 20    | M2   |

**Iron, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG553503</b> |      |                |            |        |        |       |       |      |         |        |     |       |      |
| WG553503ICV     | ICV  | 10/25/22 12:22 | MS220930-3 | .10016 |        | .0978 | mg/L  | 98   | 90      | 110    |     |       |      |
| WG553503ICB     | ICB  | 10/25/22 12:25 |            |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG553503LFB     | LFB  | 10/25/22 12:27 | MS221012-7 | .04975 |        | .0461 | mg/L  | 93   | 85      | 115    |     |       |      |
| L76753-01AS     | AS   | 10/25/22 12:41 | MS221012-7 | .04975 | .0145  | .0599 | mg/L  | 91   | 70      | 130    |     |       |      |
| L76753-01ASD    | ASD  | 10/25/22 12:43 | MS221012-7 | .04975 | .0145  | .064  | mg/L  | 99   | 70      | 130    | 7   | 20    |      |



**OURAYSM**

ACZ Project ID: **L76708**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG553685</b> |      |                |            |        |        |       |       |      |         |        |     |       |      |
| WG553685ICV     | ICV  | 10/26/22 16:32 | MS220930-3 | .10016 |        | .1056 | mg/L  | 105  | 90      | 110    |     |       |      |
| WG553685ICB     | ICB  | 10/26/22 16:34 |            |        |        | U     | mg/L  |      | -0.021  | 0.021  |     |       |      |
| WG553244LRB     | LRB  | 10/26/22 16:36 |            |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG553244LFB     | LFB  | 10/26/22 16:38 | MS221012-7 | .04975 |        | .057  | mg/L  | 115  | 85      | 115    |     |       |      |
| L76709-03LFM    | LFM  | 10/26/22 16:51 | MS5XW      | .2502  | .0585  | .2754 | mg/L  | 87   | 70      | 130    |     |       |      |
| L76709-03LFMD   | LFMD | 10/26/22 16:53 | MS5XW      | .2502  | .0585  | .3261 | mg/L  | 107  | 70      | 130    | 17  | 20    |      |

**WG553796**

|               |      |                |            |        |      |       |      |     |         |        |   |    |    |
|---------------|------|----------------|------------|--------|------|-------|------|-----|---------|--------|---|----|----|
| WG553796ICV   | ICV  | 10/27/22 18:35 | MS220930-3 | .10016 |      | .0971 | mg/L | 97  | 90      | 110    |   |    |    |
| WG553796ICB   | ICB  | 10/27/22 18:37 |            |        |      | U     | mg/L |     | -0.021  | 0.021  |   |    |    |
| WG553526LRB   | LRB  | 10/27/22 18:39 |            |        |      | U     | mg/L |     | -0.0154 | 0.0154 |   |    |    |
| WG553526LFB   | LFB  | 10/27/22 18:41 | MS221012-7 | .04975 |      | .0503 | mg/L | 101 | 85      | 115    |   |    |    |
| L76746-01LFM  | LFM  | 10/27/22 18:56 | MS2XW      | .10008 | .532 | .648  | mg/L | 116 | 70      | 130    |   |    |    |
| L76746-01LFMD | LFMD | 10/27/22 19:02 | MS2XW      | .10008 | .532 | .6939 | mg/L | 162 | 70      | 130    | 7 | 20 | M3 |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553503</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553503ICV     | ICV  | 10/25/22 12:22 | MS220930-3 | .05   |        | .04721 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG553503ICB     | ICB  | 10/25/22 12:25 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG553503LFB     | LFB  | 10/25/22 12:27 | MS221012-7 | .0501 |        | .04578 | mg/L  | 91   | 85       | 115     |     |       |      |
| L76753-01AS     | AS   | 10/25/22 12:41 | MS221012-7 | .0501 | U      | .04906 | mg/L  | 98   | 70       | 130     |     |       |      |
| L76753-01ASD    | ASD  | 10/25/22 12:43 | MS221012-7 | .0501 | U      | .0488  | mg/L  | 97   | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553363</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553363ICV     | ICV  | 10/21/22 16:54 | MS220930-3 | .05   |        | .0487  | mg/L  | 97   | 90       | 110     |     |       |      |
| WG553363ICB     | ICB  | 10/21/22 16:56 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG553156LRB     | LRB  | 10/21/22 16:58 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG553156LFB     | LFB  | 10/21/22 17:00 | MS221012-7 | .0501 |        | .0474  | mg/L  | 95   | 85       | 115     |     |       |      |
| L76708-03LFM    | LFM  | 10/21/22 17:35 | MS221012-7 | .0501 | .00102 | .04866 | mg/L  | 95   | 70       | 130     |     |       |      |
| L76708-03LFMD   | LFMD | 10/21/22 17:37 | MS221012-7 | .0501 | .00102 | .04834 | mg/L  | 94   | 70       | 130     | 1   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554369</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554369ICV     | ICV  | 11/07/22 16:13 | II221025-1 | 100      |        | 97.25 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG554369ICB     | ICB  | 11/07/22 16:19 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG554369LFB     | LFB  | 11/07/22 16:31 | II221104-3 | 49.99676 |        | 49.61 | mg/L  | 99   | 85    | 115   |     |       |      |
| L76589-02AS     | AS   | 11/07/22 17:36 | II221104-3 | 49.99676 | 45.1   | 91.35 | mg/L  | 93   | 85    | 115   |     |       |      |
| L76589-02ASD    | ASD  | 11/07/22 17:45 | II221104-3 | 49.99676 | 45.1   | 92.05 | mg/L  | 94   | 85    | 115   | 1   | 20    |      |

**WG554357**

|              |     |                |            |          |      |       |      |     |      |     |   |    |  |
|--------------|-----|----------------|------------|----------|------|-------|------|-----|------|-----|---|----|--|
| WG554357ICV  | ICV | 11/07/22 18:45 | II221025-1 | 100      |      | 97.78 | mg/L | 98  | 95   | 105 |   |    |  |
| WG554357ICB  | ICB | 11/07/22 18:51 |            |          |      | U     | mg/L |     | -0.6 | 0.6 |   |    |  |
| WG554357LFB  | LFB | 11/07/22 19:04 | II221104-3 | 49.99676 |      | 51.41 | mg/L | 103 | 85   | 115 |   |    |  |
| L76708-01AS  | AS  | 11/07/22 19:44 | II221104-3 | 49.99676 | 2.25 | 49.31 | mg/L | 94  | 85   | 115 |   |    |  |
| L76708-01ASD | ASD | 11/07/22 19:47 | II221104-3 | 49.99676 | 2.25 | 49.24 | mg/L | 94  | 85   | 115 | 0 | 20 |  |

**OURAYSM**

ACZ Project ID: **L76708**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554369</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG554369ICV     | ICV  | 11/07/22 16:13 | II221025-1 | 2    |        | 1.972 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG554369ICB     | ICB  | 11/07/22 16:19 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG554369LFB     | LFB  | 11/07/22 16:31 | II221104-3 | .499 |        | .533  | mg/L  | 107  | 85    | 115   |     |       |      |
| L76589-02AS     | AS   | 11/07/22 17:36 | II221104-3 | .499 | .011   | .524  | mg/L  | 103  | 85    | 115   |     |       |      |
| L76589-02ASD    | ASD  | 11/07/22 17:45 | II221104-3 | .499 | .011   | .527  | mg/L  | 103  | 85    | 115   | 1   | 20    |      |
| <b>WG554357</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG554357ICV     | ICV  | 11/07/22 18:45 | II221025-1 | 2    |        | 1.95  | mg/L  | 98   | 95    | 105   |     |       |      |
| WG554357ICB     | ICB  | 11/07/22 18:51 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG554357LFB     | LFB  | 11/07/22 19:04 | II221104-3 | .499 |        | .528  | mg/L  | 106  | 85    | 115   |     |       |      |
| L76708-01AS     | AS   | 11/07/22 19:44 | II221104-3 | .499 | U      | .513  | mg/L  | 103  | 85    | 115   |     |       |      |
| L76708-01ASD    | ASD  | 11/07/22 19:47 | II221104-3 | .499 | U      | .514  | mg/L  | 103  | 85    | 115   | 0   | 20    |      |

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG541979</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG541979ICV1    | ICV  | 05/11/22 11:12 | HG220325-4 | 10 |        | 10    | ng/L  | 100  | 79     | 121   |     |       |      |
| WG541979ICB1    | ICB  | 05/11/22 11:17 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG553523</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG553523CCV1    | CCV  | 10/25/22 10:30 | HG220913-4 | 10 |        | 11.1  | ng/L  | 111  | 76.5   | 123.4 |     |       |      |
| WG553523CCB1    | CCB  | 10/25/22 10:34 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG553523PQV     | PQV  | 10/25/22 10:39 | HG220913-6 | 1  |        | 1.06  | ng/L  | 106  | 70     | 130   |     |       |      |
| WG553523LFB1    | LFB  | 10/25/22 10:44 | HG220913-5 | 2  |        | 1.83  | ng/L  | 92   | 71     | 125   |     |       |      |
| L76697-01MS     | MS   | 10/25/22 11:03 | HG220913-5 | 2  | 5.18   | 7.44  | ng/L  | 113  | 71     | 125   |     |       |      |
| L76697-01MSD    | MSD  | 10/25/22 11:08 | HG220913-5 | 2  | 5.18   | 7.6   | ng/L  | 121  | 71     | 125   | 2   | 24    |      |
| WG553523CCV2    | CCV  | 10/25/22 11:27 | HG220913-4 | 10 |        | 10.2  | ng/L  | 102  | 76.5   | 123.4 |     |       |      |
| WG553523CCB2    | CCB  | 10/25/22 11:32 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| L76708-04MS     | MS   | 10/25/22 12:00 | HG220913-5 | 2  | .45    | 2.79  | ng/L  | 117  | 71     | 125   |     |       |      |
| L76708-04MSD    | MSD  | 10/25/22 12:05 | HG220913-5 | 2  | .45    | 2.83  | ng/L  | 119  | 71     | 125   | 1   | 24    |      |
| WG553523CCV3    | CCV  | 10/25/22 12:24 | HG220913-4 | 10 |        | 10.9  | ng/L  | 109  | 76.5   | 123.4 |     |       |      |
| WG553523CCB3    | CCB  | 10/25/22 12:29 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG553523LFB2    | LFB  | 10/25/22 13:03 | HG220913-5 | 2  |        | 1.9   | ng/L  | 95   | 71     | 125   |     |       |      |
| WG553523CCV4    | CCV  | 10/25/22 13:22 | HG220913-4 | 10 |        | 10.1  | ng/L  | 101  | 76.5   | 123.4 |     |       |      |
| WG553523CCB4    | CCB  | 10/25/22 13:27 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG553523CCV5    | CCV  | 10/25/22 14:15 | HG220913-4 | 10 |        | 9.45  | ng/L  | 95   | 76.5   | 123.4 |     |       |      |
| WG553523CCB5    | CCB  | 10/25/22 14:19 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553877</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG553877ICV     | ICV  | 10/29/22 21:28 | WI220903-1 | 2.416 |        | 2.324 | mg/L  | 96   | 90    | 110   |     |       |      |
| WG553877ICB     | ICB  | 10/29/22 21:29 |            |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG553880</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG553880LFB     | LFB  | 10/30/22 0:52  | WI220826-7 | 2     |        | 2.066 | mg/L  | 103  | 90    | 110   |     |       |      |
| L76703-03AS     | AS   | 10/30/22 1:14  | WI220826-7 | 2     | .228   | 2.247 | mg/L  | 101  | 90    | 110   |     |       |      |
| L76703-04DUP    | DUP  | 10/30/22 1:17  |            |       | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**OURAYSM**

ACZ Project ID: **L76708**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554369</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554369ICV     | ICV  | 11/07/22 16:13 | II221025-1 | 20       |        | 19.45 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG554369ICB     | ICB  | 11/07/22 16:19 |            |          |        | .25   | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG554369LFB     | LFB  | 11/07/22 16:31 | II221104-3 | 99.95798 |        | 98.56 | mg/L  | 99   | 85    | 115   |     |       |      |
| L76589-02AS     | AS   | 11/07/22 17:36 | II221104-3 | 99.95798 | 20.7   | 115.9 | mg/L  | 95   | 85    | 115   |     |       |      |
| L76589-02ASD    | ASD  | 11/07/22 17:45 | II221104-3 | 99.95798 | 20.7   | 116.6 | mg/L  | 96   | 85    | 115   | 1   | 20    |      |
| <b>WG554357</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554357ICV     | ICV  | 11/07/22 18:45 | II221025-1 | 20       |        | 19.6  | mg/L  | 98   | 95    | 105   |     |       |      |
| WG554357ICB     | ICB  | 11/07/22 18:51 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG554357LFB     | LFB  | 11/07/22 19:04 | II221104-3 | 99.95798 |        | 102.3 | mg/L  | 102  | 85    | 115   |     |       |      |
| L76708-01AS     | AS   | 11/07/22 19:44 | II221104-3 | 99.95798 | .49    | 94.11 | mg/L  | 94   | 85    | 115   |     |       |      |
| L76708-01ASD    | ASD  | 11/07/22 19:47 | II221104-3 | 99.95798 | .49    | 94.02 | mg/L  | 94   | 85    | 115   | 0   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553134</b> |      |                |           |      |        |       |       |      |       |       |     |       |      |
| WG553134PBW     | PBW  | 10/19/22 13:20 |           |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG553134LCSW    | LCSW | 10/19/22 13:22 | PCN623507 | 1000 |        | 988   | mg/L  | 99   | 80    | 120   |     |       |      |
| L76725-01DUP    | DUP  | 10/19/22 14:20 |           |      | 5520   | 5600  | mg/L  |      |       |       | 1   | 10    |      |
| <b>WG553766</b> |      |                |           |      |        |       |       |      |       |       |     |       |      |
| WG553766PBW     | PBW  | 10/27/22 13:45 |           |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG553766LCSW    | LCSW | 10/27/22 13:46 | PCN623309 | 1000 |        | 996   | mg/L  | 100  | 80    | 120   |     |       |      |
| L76708-01DUP    | DUP  | 10/27/22 14:08 |           |      | 104    | 104   | mg/L  |      |       |       | 0   | 10    | RA   |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553173</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG553173PBW     | PBW  | 10/19/22 15:29 |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG553173LCSW    | LCSW | 10/19/22 15:31 | PCN623507 | 100 |        | 96    | mg/L  | 96   | 80    | 120   |     |       |      |
| L76711-01DUP    | DUP  | 10/19/22 16:00 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG554110</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG554110ICV     | ICV  | 11/02/22 12:11 | MS220930-3 | .02 |        | .01931 | mg/L  | 97   | 90       | 110     |     |       |      |
| WG554110ICB     | ICB  | 11/02/22 12:13 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG554110LFB     | LFB  | 11/02/22 12:15 | MS221101-6 | .01 |        | .00861 | mg/L  | 86   | 85       | 115     |     |       |      |
| L76708-01AS     | AS   | 11/02/22 13:00 | MS221101-6 | .01 | U      | .00818 | mg/L  | 82   | 70       | 130     |     |       |      |
| L76708-01ASD    | ASD  | 11/02/22 13:02 | MS221101-6 | .01 | U      | .00789 | mg/L  | 79   | 70       | 130     | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76708**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554369</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554369ICV     | ICV  | 11/07/22 16:13 | II221025-1 | 100      |        | 97.64 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG554369ICB     | ICB  | 11/07/22 16:19 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG554369LFB     | LFB  | 11/07/22 16:31 | II221104-3 | 100.0023 |        | 98.5  | mg/L  | 98   | 85    | 115   |     |       |      |
| L76589-02AS     | AS   | 11/07/22 17:36 | II221104-3 | 100.0023 | 339    | 409.6 | mg/L  | 71   | 85    | 115   |     |       | M3   |
| L76589-02ASD    | ASD  | 11/07/22 17:45 | II221104-3 | 100.0023 | 339    | 413.3 | mg/L  | 74   | 85    | 115   | 1   | 20    | M3   |
| <b>WG554357</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554357ICV     | ICV  | 11/07/22 18:45 | II221025-1 | 100      |        | 98.03 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG554357ICB     | ICB  | 11/07/22 18:51 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG554357LFB     | LFB  | 11/07/22 19:04 | II221104-3 | 100.0023 |        | 101.8 | mg/L  | 102  | 85    | 115   |     |       |      |
| L76708-01AS     | AS   | 11/07/22 19:44 | II221104-3 | 100.0023 | 1.4    | 95.72 | mg/L  | 94   | 85    | 115   |     |       |      |
| L76708-01ASD    | ASD  | 11/07/22 19:47 | II221104-3 | 100.0023 | 1.4    | 95.49 | mg/L  | 94   | 85    | 115   | 0   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553243</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG553243ICB     | ICB  | 10/20/22 8:55  |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG553243ICV     | ICV  | 10/20/22 8:55  | WI221017-1 | 19.54 |        | 19.6  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG553243LFB     | LFB  | 10/20/22 15:27 | WI220830-3 | 10    |        | 9.3   | mg/L  | 93   | 90    | 110   |     |       |      |
| L76535-01DUP    | DUP  | 10/20/22 15:28 |            |       | 838    | 871.3 | mg/L  |      |       |       | 4   | 20    |      |
| L76565-01AS     | AS   | 10/20/22 15:50 | SO4TURB25X | 10    | 452    | 455.4 | mg/L  | 34   | 90    | 110   |     |       | M3   |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554369</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG554369ICV     | ICV  | 11/07/22 16:13 | II221025-1 | 2      |        | 1.921 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG554369ICB     | ICB  | 11/07/22 16:19 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG554369LFB     | LFB  | 11/07/22 16:31 | II221104-3 | .50045 |        | .521  | mg/L  | 104  | 85    | 115   |     |       |      |
| L76589-02AS     | AS   | 11/07/22 17:36 | II221104-3 | .50045 | U      | .509  | mg/L  | 102  | 85    | 115   |     |       |      |
| L76589-02ASD    | ASD  | 11/07/22 17:45 | II221104-3 | .50045 | U      | .514  | mg/L  | 103  | 85    | 115   | 1   | 20    |      |
| <b>WG554357</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG554357ICV     | ICV  | 11/07/22 18:45 | II221025-1 | 2      |        | 1.939 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG554357ICB     | ICB  | 11/07/22 18:51 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG554357LFB     | LFB  | 11/07/22 19:04 | II221104-3 | .50045 |        | .53   | mg/L  | 106  | 85    | 115   |     |       |      |
| L76708-01AS     | AS   | 11/07/22 19:44 | II221104-3 | .50045 | .024   | .506  | mg/L  | 96   | 85    | 115   |     |       |      |
| L76708-01ASD    | ASD  | 11/07/22 19:47 | II221104-3 | .50045 | .024   | .505  | mg/L  | 96   | 85    | 115   | 0   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L76708**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                          | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L76708-01</b> | WG553762 | Carbon, dissolved organic (DOC)     | SM5310B                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553368 | Chloride                            | SM4500CI-E                      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  |          |                                     | SM4500CI-E                      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553993 | Fluoride                            | SM4500F-C                       | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG553880 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553766 | Residue, Filterable (TDS) @180C     | SM2540C                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  |          |                                     | SM2540C                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  |          |                                     | SM2540D                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG553243 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
| <b>L76708-02</b> | WG553762 | Carbon, dissolved organic (DOC)     | SM5310B                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553368 | Chloride                            | SM4500CI-E                      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  |          |                                     | SM4500CI-E                      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553993 | Fluoride                            | SM4500F-C                       | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG553880 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553134 | Residue, Filterable (TDS) @180C     | SM2540C                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  |          |                                     | SM2540D                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553243 | Sulfate                             | SM2540D                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |

**Ouray Silver Mines**

ACZ Project ID: **L76708**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                          | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L76708-03</b> | WG553762 | Carbon, dissolved organic (DOC)     | SM5310B                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553368 | Chloride                            | SM4500CI-E                      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  |          |                                     | SM4500CI-E                      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553993 | Fluoride                            | SM4500F-C                       | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG553796 | Iron, total recoverable             | M200.8 ICP-MS                   | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG553880 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553134 | Residue, Filterable (TDS) @180C     | SM2540C                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  |          |                                     | SM2540D                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG554369 | Sodium, dissolved                   | SM2540D                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  |          |                                     | M200.7 ICP                      | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG553243 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG554190 | Total Recoverable Digestion         | M200.2 ICP-MS                   | DJ   | Sample dilution required due to insufficient sample.                                                                                                                                                  |
| <b>L76708-04</b> | WG553762 | Carbon, dissolved organic (DOC)     | SM5310B                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553368 | Chloride                            | SM4500CI-E                      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  |          |                                     | SM4500CI-E                      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553993 | Fluoride                            | SM4500F-C                       | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG553880 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553134 | Residue, Filterable (TDS) @180C     | SM2540C                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  |          |                                     | SM2540D                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG554369 | Sodium, dissolved                   | SM2540D                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  |          |                                     | M200.7 ICP                      | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG553243 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |

Ouray Silver Mines

ACZ Project ID: **L76708**

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

|                         |               |
|-------------------------|---------------|
| Iron, dissolved         | M200.8 ICP-MS |
| Iron, total recoverable | M200.8 ICP-MS |

Ouray Silver Mines

ACZ Project ID: L76708

Date Received: 10/17/2022 15:04

Received By:

Date Printed: 10/18/2022

### Receipt Verification

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

### Samples/Containers

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Some parameters were received past hold time.

NA indicates Not Applicable

### Chain of Custody Related Remarks

### Client Contact Remarks

### Shipping Containers

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| UNKNOWN   |           | <=6.0                 |             |                         |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.



Ouray Silver Mines

ACZ Project ID: L76708

Date Received: 10/17/2022 15:04

Received By:

Date Printed: 10/18/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

**Laboratories, Inc.**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

**CHAIN of CUSTODY****Report to:**

Name: Todd Jesse

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1

Ouray, CO 81427

Telephone: 970-325-9830

**Copy of Report to:**

Name: Poppy Staub

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Telephone: 970-325-9830

**Invoice to:**

Name: Don Cordsen

Company: Ouray Silver Mines

E-mail: payable@ouraysilvermines.com

Address: PO Box 564

Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

**Are samples for SDWA Compliance Monitoring?**Yes ☐No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse

Sampler's Site Information

State CO

Zip code 81427

Time Zone

\*Sampler's Signature: *Todd Jesse*

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

**PROJECT INFORMATION**

ANALYSES REQUESTED (attach list or use quote number)

Quote #: Surface Water

PO#:

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

| SAMPLE IDENTIFICATION | DATE:TIME       | Matrix | # of Containers | Surface Water                       |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|-----------------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| SW-17                 | 10/6/22 : 10:53 | SW     | 6               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-3                  | 10/6/22 : 12:17 | SW     | 6               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-1                  | 10/6/22 : 11:51 | SW     | 6               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SW-2                  | 10/6/22 : 10:20 | SW     | 6               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hg Trip Blank         | 10/6/22 : 12:50 |        | 2               | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

**REMARKS**

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

*Todd Jesse*

10/6/22 14:00

*MM*

10/10/22

10/28/22

9/28/22

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

November 08, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L76709

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 17, 2022. This project has been assigned to ACZ's project number, L76709. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L76709. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after December 08, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

  
Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: SW-15

ACZ Sample ID: **L76709-01**

Date Sampled: 10/06/22 09:40

Date Received: 10/17/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/19/22 16:10 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/21/22 15:40 | kja     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0075   | B    |    | mg/L  | 0.005   | 0.015   | 10/25/22 10:54 | gjl/scp |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0572   |      |    | mg/L  | 0.005   | 0.015   | 10/24/22 11:07 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00104  |      |    | mg/L  | 0.0002  | 0.001   | 10/25/22 10:54 | gjl/scp |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00109  |      |    | mg/L  | 0.0002  | 0.001   | 10/24/22 11:07 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000189 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/25/22 10:54 | gjl/scp |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000169 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/21/22 17:45 | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 25.3     |      |    | mg/L  | 0.1     | 0.5     | 11/07/22 21:26 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/25/22 10:54 | gjl/scp |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 10/25/22 10:54 | gjl/scp |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.0447   |      | *  | mg/L  | 0.007   | 0.02    | 10/26/22 16:47 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00011  | B    |    | mg/L  | 0.0001  | 0.0005  | 10/25/22 10:54 | gjl/scp |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00069  |      |    | mg/L  | 0.0001  | 0.0005  | 10/21/22 17:45 | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.43     |      |    | mg/L  | 0.2     | 1       | 11/07/22 21:26 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.029    | B    |    | mg/L  | 0.01    | 0.05    | 11/07/22 21:26 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.32     | B    |    | ng/L  | 0.3     | 1       | 10/25/22 12:15 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.54     | B    |    | mg/L  | 0.2     | 1       | 11/07/22 21:26 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/27/22 14:53 | gjl/scp |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.62     |      |    | mg/L  | 0.2     | 1       | 11/07/22 21:26 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.072    |      |    | mg/L  | 0.02    | 0.05    | 11/07/22 21:26 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-15

ACZ Sample ID: **L76709-01**

Date Sampled: 10/06/22 09:40

Date Received: 10/17/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 39.9   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 39.9   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 10/27/22 23:43 | bls     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -3.0   |      |    | %     |      |      | 11/08/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.7    |      |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.6    |      |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L  | 1    | 2    | 10/22/22 10:49 | gkk     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    | *  | mg/L  | 0.15 | 0.35 | 11/01/22 15:06 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 73     |      |    | mg/L  | 0.2  | 5    | 11/08/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.101  |      | *  | mg/L  | 0.02 | 0.1  | 10/30/22 2:15  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 102    | H    | *  | mg/L  | 20   | 40   | 10/19/22 14:04 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 10/19/22 15:44 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 41.5   |      | *  | mg/L  | 5    | 25   | 10/20/22 15:52 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 95.8   |      |    | mg/L  |      |      | 11/08/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.06   |      |    |       |      |      | 11/08/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-0

ACZ Sample ID: **L76709-02**

Date Sampled: 10/06/22 12:35

Date Received: 10/17/22

Sample Matrix: Surface Water

Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/19/22 16:10 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/21/22 15:53 | kja     |

Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | <0.005   | U    |    | mg/L  | 0.005   | 0.015   | 10/25/22 11:01 | gjl/scp |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | <0.005   | U    |    | mg/L  | 0.005   | 0.015   | 10/24/22 11:09 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 10/25/22 11:01 | gjl/scp |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 10/24/22 11:09 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 10/25/22 11:01 | gjl/scp |
| Cadmium, total              | M200.8 ICP-MS               | 1        | <0.00005 | U    |    | mg/L  | 0.00005 | 0.00025 | 10/21/22 17:46 | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | <0.1     | U    |    | mg/L  | 0.1     | 0.5     | 11/07/22 21:35 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/25/22 11:01 | gjl/scp |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 10/25/22 11:01 | gjl/scp |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 10/24/22 11:09 | kja     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/25/22 11:01 | gjl/scp |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00011  | B    |    | mg/L  | 0.0001  | 0.0005  | 10/21/22 17:46 | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 11/07/22 21:35 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05    | 11/07/22 21:35 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | <0.3     | U    |    | ng/L  | 0.3     | 1       | 10/25/22 12:19 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | <0.2     | U    |    | mg/L  | 0.2     | 1       | 11/07/22 21:35 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/27/22 14:59 | gjl/scp |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 0.26     | B    |    | mg/L  | 0.2     | 1       | 11/07/22 21:35 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05    | 11/07/22 21:35 | keh1    |

### Ouray Silver Mines

Project ID:

Sample ID: SW-0

ACZ Sample ID: **L76709-02**

Date Sampled: 10/06/22 12:35

Date Received: 10/17/22

Sample Matrix: Surface Water

#### Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 2.2    | B    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 2.2    | B    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 10/28/22 0:00  | bls     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | n/a    |      |    | %     |      |      | 11/08/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 0.468  | B    |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | <      | U    |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L  | 1    | 2    | 10/22/22 10:49 | gkk     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    | *  | mg/L  | 0.15 | 0.35 | 11/01/22 15:11 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | <0.2   | U    |    | mg/L  | 0.2  | 5    | 11/08/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | <0.02  | U    | *  | mg/L  | 0.02 | 0.1  | 10/30/22 2:21  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | <20    | UH   | *  | mg/L  | 20   | 40   | 10/19/22 14:07 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 10/19/22 15:47 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 1        | 20.2   |      | *  | mg/L  | 1    | 5    | 10/20/22 15:48 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 21.8   |      |    | mg/L  |      |      | 11/08/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | n/a    |      |    |       |      |      | 11/08/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-99

ACZ Sample ID: **L76709-03**

Date Sampled: 10/06/22 09:40

Date Received: 10/17/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/19/22 16:10 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      | *  |       |     |     | 10/21/22 16:05 | kja     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0076   | B    |    | mg/L  | 0.005   | 0.015   | 10/25/22 11:03 | gjl/scp |
| Aluminum, total recoverable | M200.8 ICP-MS               | 5        | 0.0656   | B    |    | mg/L  | 0.025   | 0.075   | 10/24/22 11:11 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00095  | B    |    | mg/L  | 0.0002  | 0.001   | 10/25/22 11:03 | gjl/scp |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 5        | 0.00121  | B    |    | mg/L  | 0.001   | 0.005   | 10/24/22 11:11 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000191 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/25/22 11:03 | gjl/scp |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000166 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/21/22 17:48 | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 25.5     |      |    | mg/L  | 0.1     | 0.5     | 11/07/22 21:38 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/25/22 11:03 | gjl/scp |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 10/25/22 11:03 | gjl/scp |
| Iron, total recoverable     | M200.8 ICP-MS               | 5        | 0.0585   | B    | *  | mg/L  | 0.035   | 0.1     | 10/26/22 16:49 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/25/22 11:03 | gjl/scp |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00064  |      |    | mg/L  | 0.0001  | 0.0005  | 10/21/22 17:48 | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.46     |      |    | mg/L  | 0.2     | 1       | 11/07/22 21:38 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.029    | B    |    | mg/L  | 0.01    | 0.05    | 11/07/22 21:38 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | <0.3     | U    |    | ng/L  | 0.3     | 1       | 10/25/22 12:34 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.54     | B    |    | mg/L  | 0.2     | 1       | 11/07/22 21:38 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/27/22 15:01 | gjl/scp |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.66     |      |    | mg/L  | 0.2     | 1       | 11/07/22 21:38 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.065    |      |    | mg/L  | 0.02    | 0.05    | 11/07/22 21:38 | keh1    |



**Ouray Silver Mines**

Project ID:

Sample ID: SW-99

ACZ Sample ID: **L76709-03**

Date Sampled: 10/06/22 09:40

Date Received: 10/17/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 34.9   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 34.9   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | <1     | U    | *  | mg/L  | 1    | 5    | 10/28/22 0:38  | bls     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 11/08/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.6    |      |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.6    |      |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L  | 1    | 2    | 10/22/22 10:49 | gkk     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    | *  | mg/L  | 0.15 | 0.35 | 11/01/22 15:19 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 74     |      |    | mg/L  | 0.2  | 5    | 11/08/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.152  |      | *  | mg/L  | 0.02 | 0.1  | 10/30/22 2:22  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 104    | H    | *  | mg/L  | 20   | 40   | 10/19/22 14:09 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 10/19/22 15:49 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 41.3   |      | *  | mg/L  | 5    | 25   | 10/20/22 15:52 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 92.9   |      |    | mg/L  |      |      | 11/08/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.12   |      |    |       |      |      | 11/08/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-16

ACZ Sample ID: **L76709-04**

Date Sampled: 10/06/22 09:04

Date Received: 10/17/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/19/22 16:10 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/21/22 16:42 | kja     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0071   | B    |    | mg/L  | 0.005   | 0.015   | 10/25/22 11:06 | gjl/scp |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0778   |      |    | mg/L  | 0.005   | 0.015   | 10/24/22 11:16 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00091  | B    |    | mg/L  | 0.0002  | 0.001   | 10/25/22 11:06 | gjl/scp |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00111  |      |    | mg/L  | 0.0002  | 0.001   | 10/24/22 11:16 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000202 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/25/22 11:06 | gjl/scp |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000180 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/21/22 17:50 | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 25.9     |      |    | mg/L  | 0.1     | 0.5     | 11/07/22 21:41 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/25/22 11:06 | gjl/scp |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 10/25/22 11:06 | gjl/scp |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.0632   |      | *  | mg/L  | 0.007   | 0.02    | 10/26/22 16:59 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/25/22 11:06 | gjl/scp |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00086  |      |    | mg/L  | 0.0001  | 0.0005  | 10/21/22 17:50 | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.46     |      |    | mg/L  | 0.2     | 1       | 11/07/22 21:41 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.027    | B    |    | mg/L  | 0.01    | 0.05    | 11/07/22 21:41 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | <0.3     | U    |    | ng/L  | 0.3     | 1       | 10/25/22 12:39 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.53     | B    |    | mg/L  | 0.2     | 1       | 11/07/22 21:41 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/27/22 15:04 | gjl/scp |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 1.67     |      |    | mg/L  | 0.2     | 1       | 11/07/22 21:41 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.074    |      |    | mg/L  | 0.02    | 0.05    | 11/07/22 21:41 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-16

ACZ Sample ID: **L76709-04**

Date Sampled: 10/06/22 09:04

Date Received: 10/17/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 38.9   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 38.9   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.8    | B    | *  | mg/L  | 1    | 5    | 10/28/22 0:56  | bls     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | -3.0   |      |    | %     |      |      | 11/08/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.7    |      |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.6    |      |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L  | 1    | 2    | 10/22/22 10:49 | gkk     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    | *  | mg/L  | 0.15 | 0.35 | 11/01/22 15:25 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 75     |      |    | mg/L  | 0.2  | 5    | 11/08/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.056  | B    | *  | mg/L  | 0.02 | 0.1  | 10/30/22 2:23  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 104    | H    | *  | mg/L  | 20   | 40   | 10/19/22 14:12 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 10/19/22 15:52 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 41.5   |      | *  | mg/L  | 5    | 25   | 10/20/22 15:52 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 95.9   |      |    | mg/L  |      |      | 11/08/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.08   |      |    |       |      |      | 11/08/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-4

ACZ Sample ID: **L76709-05**

Date Sampled: 10/06/22 08:25

Date Received: 10/17/22

Sample Matrix: Surface Water

## Inorganic Prep

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/19/22 16:10 | mfm     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 10/21/22 16:55 | kja     |

## Metals Analysis

| Parameter                   | EPA Method                  | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------------|-----------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved         | M200.8 ICP-MS               | 1        | 0.0086   | B    |    | mg/L  | 0.005   | 0.015   | 10/25/22 11:08 | gjl/scp |
| Aluminum, total recoverable | M200.8 ICP-MS               | 1        | 0.0460   |      |    | mg/L  | 0.005   | 0.015   | 10/24/22 11:18 | kja     |
| Arsenic, dissolved          | M200.8 ICP-MS               | 1        | 0.00083  | B    |    | mg/L  | 0.0002  | 0.001   | 10/25/22 11:08 | gjl/scp |
| Arsenic, total recoverable  | M200.8 ICP-MS               | 1        | 0.00101  |      |    | mg/L  | 0.0002  | 0.001   | 10/24/22 11:18 | kja     |
| Cadmium, dissolved          | M200.8 ICP-MS               | 1        | 0.000305 |      |    | mg/L  | 0.00005 | 0.00025 | 10/25/22 11:08 | gjl/scp |
| Cadmium, total              | M200.8 ICP-MS               | 1        | 0.000297 |      |    | mg/L  | 0.00005 | 0.00025 | 10/21/22 17:52 | mfm     |
| Calcium, dissolved          | M200.7 ICP                  | 1        | 30.6     |      |    | mg/L  | 0.1     | 0.5     | 11/07/22 21:45 | keh1    |
| Copper, dissolved           | M200.8 ICP-MS               | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/25/22 11:08 | gjl/scp |
| Iron, dissolved             | M200.8 ICP-MS               | 1        | <0.007   | U    | *  | mg/L  | 0.007   | 0.02    | 10/25/22 11:08 | gjl/scp |
| Iron, total recoverable     | M200.8 ICP-MS               | 1        | 0.0477   |      | *  | mg/L  | 0.007   | 0.02    | 10/26/22 17:01 | mfm     |
| Lead, dissolved             | M200.8 ICP-MS               | 1        | 0.00016  | B    |    | mg/L  | 0.0001  | 0.0005  | 10/25/22 11:08 | gjl/scp |
| Lead, total                 | M200.8 ICP-MS               | 1        | 0.00078  |      |    | mg/L  | 0.0001  | 0.0005  | 10/21/22 17:52 | mfm     |
| Magnesium, dissolved        | M200.7 ICP                  | 1        | 2.53     |      |    | mg/L  | 0.2     | 1       | 11/07/22 21:45 | keh1    |
| Manganese, dissolved        | M200.7 ICP                  | 1        | 0.077    |      |    | mg/L  | 0.01    | 0.05    | 11/07/22 21:45 | keh1    |
| Mercury, total              | M1631E, Atomic Fluorescence | 1        | 0.35     | B    |    | ng/L  | 0.3     | 1       | 10/25/22 12:44 | scp     |
| Potassium, dissolved        | M200.7 ICP                  | 1        | 0.56     | B    |    | mg/L  | 0.2     | 1       | 11/07/22 21:45 | keh1    |
| Silver, dissolved           | M200.8 ICP-MS               | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/27/22 15:10 | gjl/scp |
| Sodium, dissolved           | M200.7 ICP                  | 1        | 2.20     |      |    | mg/L  | 0.2     | 1       | 11/07/22 21:45 | keh1    |
| Zinc, dissolved             | M200.7 ICP                  | 1        | 0.135    |      |    | mg/L  | 0.02    | 0.05    | 11/07/22 21:45 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: SW-4

ACZ Sample ID: **L76709-05**

Date Sampled: 10/06/22 08:25

Date Received: 10/17/22

Sample Matrix: Surface Water

## Wet Chemistry

| Parameter                                 | EPA Method                                        | Dilution | Result | Qual | XQ | Units | MDL  | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------------------|----------|--------|------|----|-------|------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                               |          |        |      |    |       |      |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                                   | 1        | 38.0   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                                   | 1        | <2     | U    |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Total Alkalinity                          |                                                   | 1        | 38.0   |      |    | mg/L  | 2    | 20   | 10/20/22 0:00  | jck     |
| Carbon, dissolved organic (DOC)           | SM5310B                                           | 1        | 1.3    | B    | *  | mg/L  | 1    | 5    | 10/28/22 1:11  | bls     |
| Cation-Anion Balance                      | Calculation                                       |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                   |          | 0.0    |      |    | %     |      |      | 11/08/22 0:00  | calc    |
| Sum of Anions                             |                                                   |          | 1.9    |      |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Sum of Cations                            |                                                   |          | 1.9    |      |    | meq/L |      |      | 11/08/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                                        | 1        | <1     | U    | *  | mg/L  | 1    | 2    | 10/22/22 10:49 | gkk     |
| Fluoride                                  | SM4500F-C                                         | 1        | <0.15  | U    |    | mg/L  | 0.15 | 0.35 | 11/01/22 15:31 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                             |          | 87     |      |    | mg/L  | 0.2  | 5    | 11/08/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H <sub>2</sub> SO <sub>4</sub> preserved | 1        | 0.219  |      | *  | mg/L  | 0.02 | 0.1  | 10/30/22 2:24  | pjb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                           | 1        | 118    | H    | *  | mg/L  | 20   | 40   | 10/19/22 14:14 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                                           | 1        | <5     | UH   | *  | mg/L  | 5    | 20   | 10/19/22 15:55 | svm     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC                   | 5        | 51.7   |      | *  | mg/L  | 5    | 25   | 10/20/22 15:54 | mjj1    |
| TDS (calculated)                          | Calculation                                       |          | 111    |      |    | mg/L  |      |      | 11/08/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                       |          | 1.06   |      |    |       |      |      | 11/08/22 0:00  | calc    |


**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L76709**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual  |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|-------|
| <b>WG553186</b> |      |                |            |          |        |       |       |      |       |       |     |       |       |
| WG553186PBW1    | PBW  | 10/19/22 21:38 |            |          |        | 5.8   | mg/L  |      | -20   | 20    |     |       |       |
| WG553186LCSW3   | LCSW | 10/19/22 21:57 | WC221018-7 | 820.0001 |        | 762.6 | mg/L  | 93   | 90    | 110   |     |       |       |
| WG553186LCSW6   | LCSW | 10/20/22 0:19  | WC221018-7 | 820.0001 |        | 770.3 | mg/L  | 94   | 90    | 110   |     |       |       |
| WG553186PBW2    | PBW  | 10/20/22 0:26  |            |          |        | 10.7  | mg/L  |      | -20   | 20    |     |       |       |
| WG553186LCSW9   | LCSW | 10/20/22 2:51  | WC221018-7 | 820.0001 |        | 770.5 | mg/L  | 94   | 90    | 110   |     |       |       |
| WG553186PBW3    | PBW  | 10/20/22 2:59  |            |          |        | 10.2  | mg/L  |      | -20   | 20    |     |       |       |
| WG553186LCSW12  | LCSW | 10/20/22 5:35  | WC221018-7 | 820.0001 |        | 777.1 | mg/L  | 95   | 90    | 110   |     |       |       |
| WG553186PBW4    | PBW  | 10/20/22 8:52  |            |          |        | 36.9  | mg/L  |      | -20   | 20    |     |       | B4 BF |
| WG553186LCSW15  | LCSW | 10/20/22 11:39 | WC221018-7 | 820.0001 |        | 770.1 | mg/L  | 94   | 90    | 110   |     |       |       |
| WG553186PBW5    | PBW  | 10/20/22 11:48 |            |          |        | 9.9   | mg/L  |      | -20   | 20    |     |       |       |
| L76711-01DUP    | DUP  | 10/20/22 12:58 |            |          | 61.3   | 59.3  | mg/L  |      |       |       | 3   | 20    |       |
| WG553186LCSW18  | LCSW | 10/20/22 13:19 | WC221018-7 | 820.0001 |        | 786.6 | mg/L  | 96   | 90    | 110   |     |       |       |

**Aluminum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG553497</b> |      |                |            |         |        |       |       |      |        |       |     |       |      |
| WG553497ICV     | ICV  | 10/25/22 10:47 | MS220930-3 | .1      |        | .0978 | mg/L  | 98   | 90     | 110   |     |       |      |
| WG553497ICB     | ICB  | 10/25/22 10:49 |            |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG553497LFB     | LFB  | 10/25/22 10:52 | MS221012-7 | .050065 |        | .0464 | mg/L  | 93   | 85     | 115   |     |       |      |
| L76709-01AS     | AS   | 10/25/22 10:56 | MS221012-7 | .050065 | .0075  | .0563 | mg/L  | 97   | 70     | 130   |     |       |      |
| L76709-01ASD    | ASD  | 10/25/22 10:59 | MS221012-7 | .050065 | .0075  | .0562 | mg/L  | 97   | 70     | 130   | 0   | 20    |      |

**Aluminum, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG553415</b> |      |                |            |         |        |       |       |      |        |       |     |       |      |
| WG553415ICV     | ICV  | 10/24/22 10:24 | MS220930-3 | .1      |        | .1007 | mg/L  | 101  | 90     | 110   |     |       |      |
| WG553415ICB     | ICB  | 10/24/22 10:26 |            |         |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG553244LRB     | LRB  | 10/24/22 10:28 |            |         |        | U     | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG553244LFB     | LFB  | 10/24/22 10:30 | MS221012-7 | .050065 |        | .0477 | mg/L  | 95   | 85     | 115   |     |       |      |
| L76709-03LFB    | LFB  | 10/24/22 11:13 | MS5XW      | .250325 | .0656  | .2901 | mg/L  | 90   | 70     | 130   |     |       |      |
| L76709-03LFMD   | LFMD | 10/24/22 11:15 | MS5XW      | .250325 | .0656  | .2909 | mg/L  | 90   | 70     | 130   | 0   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553497</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG553497ICV     | ICV  | 10/25/22 10:47 | MS220930-3 | .05     |        | .04592 | mg/L  | 92   | 90       | 110     |     |       |      |
| WG553497ICB     | ICB  | 10/25/22 10:49 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG553497LFB     | LFB  | 10/25/22 10:52 | MS221012-7 | .050005 |        | .04638 | mg/L  | 93   | 85       | 115     |     |       |      |
| L76709-01AS     | AS   | 10/25/22 10:56 | MS221012-7 | .050005 | .00104 | .05165 | mg/L  | 101  | 70       | 130     |     |       |      |
| L76709-01ASD    | ASD  | 10/25/22 10:59 | MS221012-7 | .050005 | .00104 | .05154 | mg/L  | 101  | 70       | 130     | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76709**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553415</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG553415ICV     | ICV  | 10/24/22 10:24 | MS220930-3 | .05    |        | .05009 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG553415ICB     | ICB  | 10/24/22 10:26 |            |        |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG553244LRB     | LRB  | 10/24/22 10:28 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG553244LFB     | LFB  | 10/24/22 10:30 | MS221012-7 | .05005 |        | .04923 | mg/L  | 98   | 85       | 115     |     |       |      |
| L76709-03LFM    | LFM  | 10/24/22 11:13 | MS5XW      | .25025 | .00121 | .253   | mg/L  | 101  | 70       | 130     |     |       |      |
| L76709-03LFMD   | LFMD | 10/24/22 11:15 | MS5XW      | .25025 | .00121 | .25875 | mg/L  | 103  | 70       | 130     | 2   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG553497</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG553497ICV     | ICV  | 10/25/22 10:47 | MS220930-3 | .05    |         | .048768 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG553497ICB     | ICB  | 10/25/22 10:49 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG553497LFB     | LFB  | 10/25/22 10:52 | MS221012-7 | .05005 |         | .046553 | mg/L  | 93   | 85       | 115     |     |       |      |
| L76709-01AS     | AS   | 10/25/22 10:56 | MS221012-7 | .05005 | .000189 | .052499 | mg/L  | 105  | 70       | 130     |     |       |      |
| L76709-01ASD    | ASD  | 10/25/22 10:59 | MS221012-7 | .05005 | .000189 | .050699 | mg/L  | 101  | 70       | 130     | 3   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG553363</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG553363ICV     | ICV  | 10/21/22 16:54 | MS220930-3 | .05    |        | .048182 | mg/L  | 96   | 90       | 110     |     |       |      |
| WG553363ICB     | ICB  | 10/21/22 16:56 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG553156LRB     | LRB  | 10/21/22 16:58 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG553156LFB     | LFB  | 10/21/22 17:00 | MS221012-7 | .05005 |        | .047162 | mg/L  | 94   | 85       | 115     |     |       |      |
| L76708-03LFM    | LFM  | 10/21/22 17:35 | MS221012-7 | .05005 | .00128 | .048207 | mg/L  | 94   | 70       | 130     |     |       |      |
| L76708-03LFMD   | LFMD | 10/21/22 17:37 | MS221012-7 | .05005 | .00128 | .04786  | mg/L  | 93   | 70       | 130     | 1   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554404</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554404ICV     | ICV  | 11/07/22 20:57 | II221025-1 | 100      |        | 98.89 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG554404ICB     | ICB  | 11/07/22 21:03 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG554404LFB     | LFB  | 11/07/22 21:16 | II221104-3 | 67.99353 |        | 69.84 | mg/L  | 103  | 85    | 115   |     |       |      |
| L76709-01AS     | AS   | 11/07/22 21:29 | II221104-3 | 67.99353 | 25.3   | 89.87 | mg/L  | 95   | 85    | 115   |     |       |      |
| L76709-01ASD    | ASD  | 11/07/22 21:32 | II221104-3 | 67.99353 | 25.3   | 91.01 | mg/L  | 97   | 85    | 115   | 1   | 20    |      |

**Carbon, dissolved organic (DOC)**

SM5310B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553762</b> |      |                |            |    |        |       |       |      |       |       |     |       |      |
| WG553762LFB1    | LFB  | 10/27/22 19:19 | WI220929-3 | 50 |        | 51.5  | mg/L  | 103  | 90    | 110   |     |       |      |
| L76708-03DUP    | DUP  | 10/27/22 22:59 |            |    | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L76708-04AS     | AS   | 10/27/22 23:32 | WI220929-3 | 50 | 1.1    | 53.9  | mg/L  | 106  | 90    | 110   |     |       |      |
| WG553762LFB2    | LFB  | 10/28/22 2:18  | WI220929-3 | 50 |        | 52.3  | mg/L  | 105  | 90    | 110   |     |       |      |



**OURAYSM**

ACZ Project ID: **L76709**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553368</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG553368ICB     | ICB  | 10/22/22 10:32 |             |        |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG553368ICV     | ICV  | 10/22/22 10:32 | WI220502-12 | 54.945 |        | 55.39 | mg/L  | 101  | 90    | 110   |     |       |      |
| L76708-02DUP    | DUP  | 10/22/22 10:47 |             |        | 2.89   | 2.78  | mg/L  |      |       |       | 4   | 20    | RA   |
| WG553368LFB     | LFB  | 10/22/22 11:17 | WI220328-1  | 29.97  |        | 30.67 | mg/L  | 102  | 90    | 110   |     |       |      |
| L76708-01AS     | AS   | 10/22/22 11:17 | WI220328-1  | 29.97  | U      | 33.66 | mg/L  | 112  | 90    | 110   |     |       | M1   |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553497</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG553497ICV     | ICV  | 10/25/22 10:47 | MS220930-3 | .05 |        | .0495  | mg/L  | 99   | 90       | 110     |     |       |      |
| WG553497ICB     | ICB  | 10/25/22 10:49 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG553497LFB     | LFB  | 10/25/22 10:52 | MS221012-7 | .05 |        | .04699 | mg/L  | 94   | 85       | 115     |     |       |      |
| L76709-01AS     | AS   | 10/25/22 10:56 | MS221012-7 | .05 | U      | .04788 | mg/L  | 96   | 70       | 130     |     |       |      |
| L76709-01ASD    | ASD  | 10/25/22 10:59 | MS221012-7 | .05 | U      | .0476  | mg/L  | 95   | 70       | 130     | 1   | 20    |      |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553993</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG553993ICV     | ICV  | 11/01/22 11:30 | WC221026-9 | 2.008 |        | 2.02  | mg/L  | 101  | 90    | 110   |     |       |      |
| WG553993ICB     | ICB  | 11/01/22 11:34 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG553993LFB1    | LFB  | 11/01/22 11:43 | WC221011-2 | 5.02  |        | 4.63  | mg/L  | 92   | 90    | 110   |     |       |      |
| WG553993LFB2    | LFB  | 11/01/22 14:17 | WC221011-2 | 5.02  |        | 4.8   | mg/L  | 96   | 90    | 110   |     |       |      |
| L76702-06AS     | AS   | 11/01/22 14:25 | WC221011-2 | 5.02  | .75    | 5.21  | mg/L  | 89   | 90    | 110   |     |       | M2   |
| L76702-06ASD    | ASD  | 11/01/22 14:28 | WC221011-2 | 5.02  | .75    | 5.24  | mg/L  | 89   | 90    | 110   | 1   | 20    | M2   |
| L76709-05AS     | AS   | 11/01/22 15:34 | WC221011-2 | 5.02  | U      | 4.89  | mg/L  | 97   | 90    | 110   |     |       |      |
| L76709-05ASD    | ASD  | 11/01/22 15:41 | WC221011-2 | 5.02  | U      | 4.75  | mg/L  | 95   | 90    | 110   | 3   | 20    |      |

**Iron, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG553497</b> |      |                |            |        |        |       |       |      |         |        |     |       |      |
| WG553497ICV     | ICV  | 10/25/22 10:47 | MS220930-3 | .10016 |        | .0991 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG553497ICB     | ICB  | 10/25/22 10:49 |            |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG553497LFB     | LFB  | 10/25/22 10:52 | MS221012-7 | .04975 |        | .0479 | mg/L  | 96   | 85      | 115    |     |       |      |
| L76709-01AS     | AS   | 10/25/22 10:56 | MS221012-7 | .04975 | U      | .0501 | mg/L  | 101  | 70      | 130    |     |       |      |
| L76709-01ASD    | ASD  | 10/25/22 10:59 | MS221012-7 | .04975 | U      | .0494 | mg/L  | 99   | 70      | 130    | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76709**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG553415</b> |      |                |            |        |        |       |       |      |         |        |     |       |      |
| WG553415ICV     | ICV  | 10/24/22 10:24 | MS220930-3 | .10016 |        | .1025 | mg/L  | 102  | 90      | 110    |     |       |      |
| WG553415ICB     | ICB  | 10/24/22 10:26 |            |        |        | U     | mg/L  |      | -0.021  | 0.021  |     |       |      |
| WG553244LRB     | LRB  | 10/24/22 10:28 |            |        |        | U     | mg/L  |      | -0.0154 | 0.0154 |     |       |      |
| WG553244LFB     | LFB  | 10/24/22 10:30 | MS221012-7 | .04975 |        | .0603 | mg/L  | 121  | 85      | 115    |     |       | LA   |
| L76709-03LFM    | LFM  | 10/24/22 11:13 | MS5XW      | .2502  | .0721  | .3092 | mg/L  | 95   | 70      | 130    |     |       |      |
| L76709-03LFMD   | LFMD | 10/24/22 11:15 | MS5XW      | .2502  | .0721  | .3116 | mg/L  | 96   | 70      | 130    | 1   | 20    |      |

**WG553685**

|               |      |                |            |        |       |       |      |     |         |        |    |    |  |
|---------------|------|----------------|------------|--------|-------|-------|------|-----|---------|--------|----|----|--|
| WG553685ICV   | ICV  | 10/26/22 16:32 | MS220930-3 | .10016 |       | .1056 | mg/L | 105 | 90      | 110    |    |    |  |
| WG553685ICB   | ICB  | 10/26/22 16:34 |            |        |       | U     | mg/L |     | -0.021  | 0.021  |    |    |  |
| WG553244LRB   | LRB  | 10/26/22 16:36 |            |        |       | U     | mg/L |     | -0.0154 | 0.0154 |    |    |  |
| WG553244LFB   | LFB  | 10/26/22 16:38 | MS221012-7 | .04975 |       | .057  | mg/L | 115 | 85      | 115    |    |    |  |
| L76709-03LFM  | LFM  | 10/26/22 16:51 | MS5XW      | .2502  | .0585 | .2754 | mg/L | 87  | 70      | 130    |    |    |  |
| L76709-03LFMD | LFMD | 10/26/22 16:53 | MS5XW      | .2502  | .0585 | .3261 | mg/L | 107 | 70      | 130    | 17 | 20 |  |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553497</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553497ICV     | ICV  | 10/25/22 10:47 | MS220930-3 | .05   |        | .04565 | mg/L  | 91   | 90       | 110     |     |       |      |
| WG553497ICB     | ICB  | 10/25/22 10:49 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG553497LFB     | LFB  | 10/25/22 10:52 | MS221012-7 | .0501 |        | .04497 | mg/L  | 90   | 85       | 115     |     |       |      |
| L76709-01AS     | AS   | 10/25/22 10:56 | MS221012-7 | .0501 | .00011 | .04691 | mg/L  | 93   | 70       | 130     |     |       |      |
| L76709-01ASD    | ASD  | 10/25/22 10:59 | MS221012-7 | .0501 | .00011 | .04752 | mg/L  | 95   | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553363</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG553363ICV     | ICV  | 10/21/22 16:54 | MS220930-3 | .05   |        | .0487  | mg/L  | 97   | 90       | 110     |     |       |      |
| WG553363ICB     | ICB  | 10/21/22 16:56 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG553156LRB     | LRB  | 10/21/22 16:58 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG553156LFB     | LFB  | 10/21/22 17:00 | MS221012-7 | .0501 |        | .0474  | mg/L  | 95   | 85       | 115     |     |       |      |
| L76708-03LFM    | LFM  | 10/21/22 17:35 | MS221012-7 | .0501 | .00102 | .04866 | mg/L  | 95   | 70       | 130     |     |       |      |
| L76708-03LFMD   | LFMD | 10/21/22 17:37 | MS221012-7 | .0501 | .00102 | .04834 | mg/L  | 94   | 70       | 130     | 1   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554404</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554404ICV     | ICV  | 11/07/22 20:57 | II221025-1 | 100      |        | 97.84 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG554404ICB     | ICB  | 11/07/22 21:03 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG554404LFB     | LFB  | 11/07/22 21:16 | II221104-3 | 49.99676 |        | 50.32 | mg/L  | 101  | 85    | 115   |     |       |      |
| L76709-01AS     | AS   | 11/07/22 21:29 | II221104-3 | 49.99676 | 2.43   | 49.63 | mg/L  | 94   | 85    | 115   |     |       |      |
| L76709-01ASD    | ASD  | 11/07/22 21:32 | II221104-3 | 49.99676 | 2.43   | 50.37 | mg/L  | 96   | 85    | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76709**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554404</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG554404ICV     | ICV  | 11/07/22 20:57 | II221025-1 | 2    |        | 1.953 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG554404ICB     | ICB  | 11/07/22 21:03 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG554404LFB     | LFB  | 11/07/22 21:16 | II221104-3 | .499 |        | .529  | mg/L  | 106  | 85    | 115   |     |       |      |
| L76709-01AS     | AS   | 11/07/22 21:29 | II221104-3 | .499 | .029   | .541  | mg/L  | 103  | 85    | 115   |     |       |      |
| L76709-01ASD    | ASD  | 11/07/22 21:32 | II221104-3 | .499 | .029   | .543  | mg/L  | 103  | 85    | 115   | 0   | 20    |      |

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG541979</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG541979ICV1    | ICV  | 05/11/22 11:12 | HG220325-4 | 10 |        | 10    | ng/L  | 100  | 79     | 121   |     |       |      |
| WG541979ICB1    | ICB  | 05/11/22 11:17 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG553523</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG553523CCV1    | CCV  | 10/25/22 10:30 | HG220913-4 | 10 |        | 11.1  | ng/L  | 111  | 76.5   | 123.4 |     |       |      |
| WG553523CCB1    | CCB  | 10/25/22 10:34 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG553523PQV     | PQV  | 10/25/22 10:39 | HG220913-6 | 1  |        | 1.06  | ng/L  | 106  | 70     | 130   |     |       |      |
| WG553523LFB1    | LFB  | 10/25/22 10:44 | HG220913-5 | 2  |        | 1.83  | ng/L  | 92   | 71     | 125   |     |       |      |
| WG553523CCV2    | CCV  | 10/25/22 11:27 | HG220913-4 | 10 |        | 10.2  | ng/L  | 102  | 76.5   | 123.4 |     |       |      |
| WG553523CCB2    | CCB  | 10/25/22 11:32 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| L76708-04MS     | MS   | 10/25/22 12:00 | HG220913-5 | 2  | .45    | 2.79  | ng/L  | 117  | 71     | 125   |     |       |      |
| L76708-04MSD    | MSD  | 10/25/22 12:05 | HG220913-5 | 2  | .45    | 2.83  | ng/L  | 119  | 71     | 125   | 1   | 24    |      |
| WG553523CCV3    | CCV  | 10/25/22 12:24 | HG220913-4 | 10 |        | 10.9  | ng/L  | 109  | 76.5   | 123.4 |     |       |      |
| WG553523CCB3    | CCB  | 10/25/22 12:29 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG553523LFB2    | LFB  | 10/25/22 13:03 | HG220913-5 | 2  |        | 1.9   | ng/L  | 95   | 71     | 125   |     |       |      |
| WG553523CCV4    | CCV  | 10/25/22 13:22 | HG220913-4 | 10 |        | 10.1  | ng/L  | 101  | 76.5   | 123.4 |     |       |      |
| WG553523CCB4    | CCB  | 10/25/22 13:27 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG553523CCV5    | CCV  | 10/25/22 14:15 | HG220913-4 | 10 |        | 9.45  | ng/L  | 95   | 76.5   | 123.4 |     |       |      |
| WG553523CCB5    | CCB  | 10/25/22 14:19 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553877</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG553877ICV     | ICV  | 10/29/22 21:28 | WI220903-1 | 2.416 |        | 2.324 | mg/L  | 96   | 90    | 110   |     |       |      |
| WG553877ICB     | ICB  | 10/29/22 21:29 |            |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG553881</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG553881LFB1    | LFB  | 10/30/22 2:04  | WI220826-7 | 2     |        | 2.018 | mg/L  | 101  | 90    | 110   |     |       |      |
| L75995-02AS     | AS   | 10/30/22 2:06  | WI220826-7 | 2     | U      | 2.122 | mg/L  | 106  | 90    | 110   |     |       |      |
| L75995-03DUP    | DUP  | 10/30/22 2:09  |            |       | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L76709-05AS     | AS   | 10/30/22 2:26  | WI220826-7 | 2     | .219   | 2.195 | mg/L  | 99   | 90    | 110   |     |       |      |
| L76726-02DUP    | DUP  | 10/30/22 2:28  |            |       | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| WG553881LFB2    | LFB  | 10/30/22 2:44  | WI220826-7 | 2     |        | 1.898 | mg/L  | 95   | 90    | 110   |     |       |      |

**OURAYSM**

ACZ Project ID: **L76709**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554404</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554404ICV     | ICV  | 11/07/22 20:57 | II221025-1 | 20       |        | 19.59 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG554404ICB     | ICB  | 11/07/22 21:03 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG554404LFB     | LFB  | 11/07/22 21:16 | II221104-3 | 99.95798 |        | 99.37 | mg/L  | 99   | 85    | 115   |     |       |      |
| L76709-01AS     | AS   | 11/07/22 21:29 | II221104-3 | 99.95798 | .54    | 94.56 | mg/L  | 94   | 85    | 115   |     |       |      |
| L76709-01ASD    | ASD  | 11/07/22 21:32 | II221104-3 | 99.95798 | .54    | 96.41 | mg/L  | 96   | 85    | 115   | 2   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553134</b> |      |                |           |      |        |       |       |      |       |       |     |       |      |
| WG553134PBW     | PBW  | 10/19/22 13:20 |           |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG553134LCSW    | LCSW | 10/19/22 13:22 | PCN623507 | 1000 |        | 988   | mg/L  | 99   | 80    | 120   |     |       |      |
| L76725-01DUP    | DUP  | 10/19/22 14:20 |           |      | 5520   | 5600  | mg/L  |      |       |       | 1   | 10    |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553173</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG553173PBW     | PBW  | 10/19/22 15:29 |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG553173LCSW    | LCSW | 10/19/22 15:31 | PCN623507 | 100 |        | 96    | mg/L  | 96   | 80    | 120   |     |       |      |
| L76711-01DUP    | DUP  | 10/19/22 16:00 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG553571</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG553571ICV     | ICV  | 10/27/22 14:39 | MS220930-3 | .02 |        | .01838 | mg/L  | 92   | 90       | 110     |     |       |      |
| WG553571ICB     | ICB  | 10/27/22 14:42 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG553571LFB     | LFB  | 10/27/22 14:44 | MS221012-7 | .01 |        | .00861 | mg/L  | 86   | 85       | 115     |     |       |      |
| L76709-01AS     | AS   | 10/27/22 14:55 | MS221012-7 | .01 | U      | .00884 | mg/L  | 88   | 70       | 130     |     |       |      |
| L76709-01ASD    | ASD  | 10/27/22 14:57 | MS221012-7 | .01 | U      | .00837 | mg/L  | 84   | 70       | 130     | 5   | 20    |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554404</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG554404ICV     | ICV  | 11/07/22 20:57 | II221025-1 | 100      |        | 97.7  | mg/L  | 98   | 95    | 105   |     |       |      |
| WG554404ICB     | ICB  | 11/07/22 21:03 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG554404LFB     | LFB  | 11/07/22 21:16 | II221104-3 | 100.0023 |        | 99.33 | mg/L  | 99   | 85    | 115   |     |       |      |
| L76709-01AS     | AS   | 11/07/22 21:29 | II221104-3 | 100.0023 | 1.62   | 95.63 | mg/L  | 94   | 85    | 115   |     |       |      |
| L76709-01ASD    | ASD  | 11/07/22 21:32 | II221104-3 | 100.0023 | 1.62   | 97.48 | mg/L  | 96   | 85    | 115   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76709**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG553243</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG553243ICB     | ICB  | 10/20/22 8:55  |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG553243ICV     | ICV  | 10/20/22 8:55  | WI221017-1 | 19.54 |        | 19.6  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG553243LFB     | LFB  | 10/20/22 15:27 | WI220830-3 | 10    |        | 9.3   | mg/L  | 93   | 90    | 110   |     |       |      |
| L76535-01DUP    | DUP  | 10/20/22 15:28 |            |       | 838    | 871.3 | mg/L  |      |       |       | 4   | 20    |      |
| L76565-01AS     | AS   | 10/20/22 15:50 | SO4TURB25X | 10    | 452    | 455.4 | mg/L  | 34   | 90    | 110   |     |       | M3   |
| L76709-04DUP    | DUP  | 10/20/22 15:54 |            |       | 41.5   | 41    | mg/L  |      |       |       | 1   | 20    | RA   |
| L76709-05AS     | AS   | 10/20/22 15:54 | SO4TURB5X  | 10    | 51.7   | 62.6  | mg/L  | 109  | 90    | 110   |     |       |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG554404</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG554404ICV     | ICV  | 11/07/22 20:57 | II221025-1 | 2      |        | 1.937 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG554404ICB     | ICB  | 11/07/22 21:03 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG554404LFB     | LFB  | 11/07/22 21:16 | II221104-3 | .50045 |        | .517  | mg/L  | 103  | 85    | 115   |     |       |      |
| L76709-01AS     | AS   | 11/07/22 21:29 | II221104-3 | .50045 | .072   | .557  | mg/L  | 97   | 85    | 115   |     |       |      |
| L76709-01ASD    | ASD  | 11/07/22 21:32 | II221104-3 | .50045 | .072   | .566  | mg/L  | 99   | 85    | 115   | 2   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L76709**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                          | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L76709-01</b> | WG553762 | Carbon, dissolved organic (DOC)     | SM5310B                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553368 | Chloride                            | SM4500CI-E                      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  |          |                                     | SM4500CI-E                      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553993 | Fluoride                            | SM4500F-C                       | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG553881 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553134 | Residue, Filterable (TDS) @180C     | SM2540C                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  |          |                                     | SM2540D                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG553243 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
| <b>L76709-02</b> | WG553762 | Carbon, dissolved organic (DOC)     | SM5310B                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553368 | Chloride                            | SM4500CI-E                      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  |          |                                     | SM4500CI-E                      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553993 | Fluoride                            | SM4500F-C                       | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG553415 | Iron, total recoverable             | M200.8 ICP-MS                   | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [ $< MDL$ ].                                           |
|                  | WG553881 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG553134 | Residue, Filterable (TDS) @180C     | SM2540C                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  |          |                                     | SM2540C                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                         | H3   | Sample was received and analyzed past holding time.                                                                                                                                                   |
|                  |          |                                     | SM2540D                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
| <b>L76709-02</b> | WG553243 | Sulfate                             | SM2540D                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |

**Ouray Silver Mines**

ACZ Project ID: **L76709**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                          | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L76709-03</b> | WG553762 | Carbon, dissolved organic (DOC)     | SM5310B                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553368 | Chloride                            | SM4500CI-E                      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
|                  |          |                                     | SM4500CI-E                      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553993 | Fluoride                            | SM4500F-C                       | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG553881 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553134 | Residue, Filterable (TDS) @180C     | SM2540C                         | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                         | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG553243 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553244 | Total Recoverable Digestion         | M200.2 ICP-MS                   | DJ   | Sample dilution required due to insufficient sample.                                                                                                                  |
| <b>L76709-04</b> | WG553762 | Carbon, dissolved organic (DOC)     | SM5310B                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553368 | Chloride                            | SM4500CI-E                      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
|                  |          |                                     | SM4500CI-E                      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553993 | Fluoride                            | SM4500F-C                       | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG553881 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553134 | Residue, Filterable (TDS) @180C     | SM2540C                         | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                         | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                         | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG553243 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |

**Ouray Silver Mines**

ACZ Project ID: **L76709**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                   | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L76709-05</b> | WG553762 | Carbon, dissolved organic (DOC)     | SM5310B                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553368 | Chloride                            | SM4500CI-E               | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
|                  |          |                                     | SM4500CI-E               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553881 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG553134 | Residue, Filterable (TDS) @180C     | SM2540C                  | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG553173 | Residue, Non-Filterable (TSS) @105C | SM2540D                  | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG553243 | Sulfate                             | D516-02/-07/-11 -        | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | TURBIDIMETRIC            |      |                                                                                                                                                                       |



**Ouray Silver Mines**

ACZ Project ID: **L76709**

Metals Analysis

The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.

|                         |               |
|-------------------------|---------------|
| Iron, dissolved         | M200.8 ICP-MS |
| Iron, total recoverable | M200.8 ICP-MS |

Ouray Silver Mines

ACZ Project ID: L76709

Date Received: 10/17/2022 15:09

Received By:

Date Printed: 10/18/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| UNKNOWN   |           | <=6.0                 |             |                         |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L76709

Date Received: 10/17/2022 15:09

Received By:

Date Printed: 10/18/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 970-325-9830

Copy of Report to:

Name: Poppy Staub  
Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com  
Telephone: 970-325-9830

Invoice to:

Name: Don Cordsen  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone

\*Sampler's Signature:

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

| Quote #: | Surface Water                                                                                                                          | PO#: | Reporting state for compliance testing: | Check box if samples include NRC licensed material? | SAMPLE IDENTIFICATION | DATE:TIME       | Matrix | # of Containers | Surface Water                       |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|----------|----------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------|-----------------------------------------------------|-----------------------|-----------------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|          |                                                                                                                                        |      |                                         | <input type="checkbox"/>                            | SW-15                 | 10/6/22 : 09:40 | SW     | 6               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     | SW-0                  | 10/6/22 : 12:35 | SW     | 6               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     | SW-99                 | 10/6/22 : 09:40 | SW     | 6               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     | SW-16                 | 10/6/22 : 09:04 | SW     | 6               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     | SW-4                  | 10/6/22 : 08:25 | SW     | 6               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     |                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     |                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     |                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     |                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     |                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |                                                                                                                                        |      |                                         |                                                     |                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Matrix   | SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify) |      |                                         |                                                     |                       |                 |        |                 |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |

REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

Todd Jesse

10/6/22 14:00

9/28/22

1126

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

L76709-2211081341

Page 26 of 26

April 13, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L72174

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 24, 2022. This project has been assigned to ACZ's project number, L72174. Please reference this number in all future inquiries.

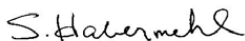
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L72174. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after May 13, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L72174-01**

Date Sampled: 03/23/22 11:11

Date Received: 03/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 03/31/22 18:20 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 04/04/22 12:55 | mrdr    |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 04/02/22 17:37 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00077  | B    |    | mg/L  | 0.0004  | 0.002   | 04/04/22 13:04 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00288  |      |    | mg/L  | 0.0002  | 0.001   | 04/04/22 13:04 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0300   | B    |    | mg/L  | 0.007   | 0.035   | 04/02/22 17:37 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 04/04/22 13:04 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 04/02/22 17:37 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.00101  |      |    | mg/L  | 0.00005 | 0.00025 | 04/04/22 13:04 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 70.1     |      |    | mg/L  | 0.1     | 0.5     | 04/02/22 17:37 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 04/04/22 13:04 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 04/04/22 13:04 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 04/02/22 17:37 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00011  | B    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:04 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.62     |      |    | mg/L  | 0.2     | 1       | 04/02/22 17:37 | wtc     |
| Manganese, dissolved  | M200.7 ICP    | 1        | 1.39     |      | *  | mg/L  | 0.01    | 0.05    | 04/02/22 17:37 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/29/22 17:47 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00260  |      |    | mg/L  | 0.0002  | 0.0005  | 04/04/22 13:04 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 04/02/22 17:37 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.89     | B    |    | mg/L  | 0.2     | 1       | 04/02/22 17:37 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00063  |      |    | mg/L  | 0.0001  | 0.00025 | 04/04/22 13:04 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 7.8      |      |    | mg/L  | 0.2     | 1       | 04/02/22 17:37 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:04 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 10.00    |      |    | mg/L  | 0.2     | 1       | 04/02/22 17:37 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:04 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00025  | B    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:04 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 04/02/22 17:37 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.412    |      |    | mg/L  | 0.02    | 0.05    | 04/02/22 17:37 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L72174-01**

Date Sampled: 03/23/22 11:11

Date Received: 03/24/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 56.9   |      |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 56.9   |      |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 04/13/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 4.3    |      |    | meq/L    |       |      | 04/13/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 4.3    |      |    | meq/L    |       |      | 04/13/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.37   | B    |    | mg/L     | 0.5   | 2    | 04/05/22 17:16 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 421    |      |    | umhos/cm | 1     | 10   | 03/29/22 2:13  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 04/01/22 13:24 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.31   | B    |    | mg/L     | 0.15  | 0.35 | 04/12/22 15:25 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 186    |      |    | mg/L     | 0.2   | 5    | 04/13/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.456  |      | *  | mg/L     | 0.02  | 0.1  | 04/06/22 2:54  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 8.1    | H    |    | units    | 0.1   | 0.1  | 03/29/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 23.0   |      |    | C        | 0.1   | 0.1  | 03/29/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 04/05/22 9:57  | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 284    |      |    | mg/L     | 20    | 40   | 03/28/22 12:40 | anc     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/29/22 16:00 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 148    |      |    | mg/L     | 5     | 25   | 04/05/22 15:42 | syw     |
| TDS (calculated)                          | Calculation                           |          | 280    |      |    | mg/L     |       |      | 04/13/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.01   |      |    |          |       |      | 04/13/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L72174-02**

Date Sampled: 03/23/22 11:47

Date Received: 03/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 03/31/22 20:04 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 04/04/22 13:03 | mrđ     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 04/04/22 20:23 | jlw     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00184  | B    |    | mg/L  | 0.0004  | 0.002   | 04/04/22 13:06 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00523  |      |    | mg/L  | 0.0002  | 0.001   | 04/04/22 13:06 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0261   | B    |    | mg/L  | 0.007   | 0.035   | 04/04/22 20:23 | jlw     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 04/04/22 13:06 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | 0.036    | B    |    | mg/L  | 0.03    | 0.1     | 04/04/22 20:23 | jlw     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.00383  |      |    | mg/L  | 0.00005 | 0.00025 | 04/04/22 13:06 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 77.7     |      |    | mg/L  | 0.1     | 0.5     | 04/04/22 20:23 | jlw     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 04/04/22 13:06 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 04/04/22 13:06 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 04/04/22 20:23 | jlw     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00129  |      |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:06 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 4.43     |      |    | mg/L  | 0.2     | 1       | 04/04/22 20:23 | jlw     |
| Manganese, dissolved  | M200.7 ICP    | 1        | 6.65     |      |    | mg/L  | 0.01    | 0.05    | 04/04/22 20:23 | jlw     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/29/22 17:48 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00765  |      |    | mg/L  | 0.0002  | 0.0005  | 04/04/22 13:06 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 04/04/22 20:23 | jlw     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 1.73     |      |    | mg/L  | 0.2     | 1       | 04/04/22 20:23 | jlw     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00026  |      |    | mg/L  | 0.0001  | 0.00025 | 04/04/22 13:06 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.6      |      |    | mg/L  | 0.2     | 1       | 04/04/22 20:23 | jlw     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:06 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 16.3     |      |    | mg/L  | 0.2     | 1       | 04/04/22 20:23 | jlw     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:06 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00045  | B    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:06 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 04/04/22 20:23 | jlw     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 1.52     |      |    | mg/L  | 0.02    | 0.05    | 04/04/22 20:23 | jlw     |



**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L72174-02**

Date Sampled: 03/23/22 11:47

Date Received: 03/24/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 73.2   |      |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 73.2   |      |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 1.9    |      |    | %        |       |      | 04/13/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 5.3    |      |    | meq/L    |       |      | 04/13/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 5.5    |      |    | meq/L    |       |      | 04/13/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 2.65   |      |    | mg/L     | 0.5   | 2    | 04/05/22 17:16 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 507    |      |    | umhos/cm | 1     | 10   | 03/29/22 2:22  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | 0.0031 | B    | *  | mg/L     | 0.003 | 0.01 | 04/01/22 13:26 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.48   |      |    | mg/L     | 0.15  | 0.35 | 04/12/22 15:32 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 212    |      |    | mg/L     | 0.2   | 5    | 04/13/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.881  |      | *  | mg/L     | 0.02  | 0.1  | 04/06/22 2:55  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 8.1    | H    |    | units    | 0.1   | 0.1  | 03/29/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.9   |      |    | C        | 0.1   | 0.1  | 03/29/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | 0.011  | B    | *  | mg/L     | 0.01  | 0.05 | 04/05/22 10:00 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 346    |      |    | mg/L     | 20    | 40   | 03/28/22 12:42 | anc     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/29/22 16:03 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 180    |      |    | mg/L     | 5     | 25   | 04/05/22 15:44 | syw     |
| TDS (calculated)                          | Calculation                           |          | 347    |      |    | mg/L     |       |      | 04/13/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.00   |      |    |          |       |      | 04/13/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L72174-03**

Date Sampled: 03/23/22 10:31

Date Received: 03/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 03/31/22 21:48 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 04/04/22 13:10 | mrđ     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 04/04/22 20:26 | jlw     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00086  | B    |    | mg/L  | 0.0004  | 0.002   | 04/04/22 13:08 | mfm     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00246  |      |    | mg/L  | 0.0002  | 0.001   | 04/04/22 13:08 | mfm     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0260   | B    |    | mg/L  | 0.007   | 0.035   | 04/04/22 20:26 | jlw     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 04/04/22 13:08 | mfm     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 04/04/22 20:26 | jlw     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000910 |      |    | mg/L  | 0.00005 | 0.00025 | 04/04/22 13:08 | mfm     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 73.0     |      |    | mg/L  | 0.1     | 0.5     | 04/04/22 20:26 | jlw     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 04/04/22 13:08 | mfm     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 04/04/22 13:08 | mfm     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 04/04/22 20:26 | jlw     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00022  | B    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:08 | mfm     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.70     |      |    | mg/L  | 0.2     | 1       | 04/04/22 20:26 | jlw     |
| Manganese, dissolved  | M200.7 ICP    | 1        | 1.11     |      |    | mg/L  | 0.01    | 0.05    | 04/04/22 20:26 | jlw     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 03/29/22 17:49 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00355  |      |    | mg/L  | 0.0002  | 0.0005  | 04/04/22 13:08 | mfm     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 04/04/22 20:26 | jlw     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.76     | B    |    | mg/L  | 0.2     | 1       | 04/04/22 20:26 | jlw     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00034  |      |    | mg/L  | 0.0001  | 0.00025 | 04/04/22 13:08 | mfm     |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.2      |      |    | mg/L  | 0.2     | 1       | 04/04/22 20:26 | jlw     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:08 | mfm     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 9.59     |      |    | mg/L  | 0.2     | 1       | 04/04/22 20:26 | jlw     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:08 | mfm     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00024  | B    |    | mg/L  | 0.0001  | 0.0005  | 04/04/22 13:08 | mfm     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 04/04/22 20:26 | jlw     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.382    |      |    | mg/L  | 0.02    | 0.05    | 04/04/22 20:26 | jlw     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L72174-03**

Date Sampled: 03/23/22 10:31

Date Received: 03/24/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 55.4   |      |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 55.4   |      |    | mg/L     | 2     | 20   | 03/29/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -1.1   |      |    | %        |       |      | 04/13/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 4.5    |      |    | meq/L    |       |      | 04/13/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 4.4    |      |    | meq/L    |       |      | 04/13/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.33   | B    |    | mg/L     | 0.5   | 2    | 04/05/22 17:18 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 426    |      |    | umhos/cm | 1     | 10   | 03/29/22 2:30  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 04/01/22 13:30 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.34   | B    |    | mg/L     | 0.15  | 0.35 | 04/12/22 15:43 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 193    |      |    | mg/L     | 0.2   | 5    | 04/13/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.424  |      | *  | mg/L     | 0.02  | 0.1  | 04/06/22 2:57  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 8.1    | H    |    | units    | 0.1   | 0.1  | 03/29/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.8   |      |    | C        | 0.1   | 0.1  | 03/29/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 04/05/22 10:01 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 294    |      |    | mg/L     | 20    | 40   | 03/28/22 12:45 | anc     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 03/29/22 16:06 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 158    |      |    | mg/L     | 5     | 25   | 04/05/22 15:44 | syw     |
| TDS (calculated)                          | Calculation                           |          | 291    |      |    | mg/L     |       |      | 04/13/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.01   |      |    |          |       |      | 04/13/22 0:00  | calc    |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L72174**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539151</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG539151PBW1    | PBW  | 03/28/22 20:00 |            |          |        | 14.4  | mg/L  |      | -20   | 20    |     |       |      |
| WG539151LCSW3   | LCSW | 03/28/22 20:19 | WC220328-1 | 820.0001 |        | 817.9 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG539151LCSW6   | LCSW | 03/29/22 0:00  | WC220328-1 | 820.0001 |        | 840.2 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG539151PBW2    | PBW  | 03/29/22 0:06  |            |          |        | 5     | mg/L  |      | -20   | 20    |     |       |      |
| L72180-01DUP    | DUP  | 03/29/22 3:27  |            |          | 191    | 191   | mg/L  |      |       |       | 0   | 20    |      |
| WG539151LCSW9   | LCSW | 03/29/22 3:47  | WC220328-1 | 820.0001 |        | 841.4 | mg/L  | 103  | 90    | 110   |     |       |      |
| WG539151PBW3    | PBW  | 03/29/22 3:53  |            |          |        | 4.4   | mg/L  |      | -20   | 20    |     |       |      |
| WG539151LCSW12  | LCSW | 03/29/22 6:49  | WC220328-1 | 820.0001 |        | 841.9 | mg/L  | 103  | 90    | 110   |     |       |      |
| WG539151PBW4    | PBW  | 03/29/22 6:55  |            |          |        | 5.7   | mg/L  |      | -20   | 20    |     |       |      |
| WG539151LCSW15  | LCSW | 03/29/22 9:54  | WC220328-1 | 820.0001 |        | 842.2 | mg/L  | 103  | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 2      |        | 1.976 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | 1.0008 |        | 1.03  | mg/L  | 103  | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | 1.0008 | U      | 1.007 | mg/L  | 101  | 85    | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | 1.0008 | U      | .993  | mg/L  | 99   | 85    | 115   | 1   | 20    |      |

**WG539556**

|              |     |                |            |        |   |       |      |     |       |      |   |    |  |
|--------------|-----|----------------|------------|--------|---|-------|------|-----|-------|------|---|----|--|
| WG539556ICV  | ICV | 04/04/22 19:39 | II220401-2 | 2      |   | 1.956 | mg/L | 98  | 95    | 105  |   |    |  |
| WG539556ICB  | ICB | 04/04/22 19:45 |            |        |   | U     | mg/L |     | -0.15 | 0.15 |   |    |  |
| WG539556LFB  | LFB | 04/04/22 19:58 | II220330-3 | 1.0008 |   | 1.044 | mg/L | 104 | 85    | 115  |   |    |  |
| L72069-01AS  | AS  | 04/04/22 20:04 | II220330-3 | 1.0008 | U | 1.033 | mg/L | 103 | 85    | 115  |   |    |  |
| L72069-01ASD | ASD | 04/04/22 20:07 | II220330-3 | 1.0008 | U | 1.01  | mg/L | 101 | 85    | 115  | 2 | 20 |  |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .0201 |        | .0207  | mg/L  | 103  | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |       |        | .00073 | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .01   |        | .00956 | mg/L  | 96   | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .01   | .00073 | .00833 | mg/L  | 76   | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .01   | .00073 | .00828 | mg/L  | 76   | 70       | 130     | 1   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .05    |        | .05125 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .05005 |        | .05062 | mg/L  | 101  | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .05005 | .00137 | .05052 | mg/L  | 98   | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .05005 | .00137 | .04936 | mg/L  | 96   | 70       | 130     | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72174**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |    |        |        |       |      |        |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 2  |        | 1.9742 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |    |        | U      | mg/L  |      | -0.021 | 0.021 |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | .5 |        | .4927  | mg/L  | 99   | 85     | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | .5 | .03    | .5235  | mg/L  | 99   | 85     | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | .5 | .03    | .5189  | mg/L  | 98   | 85     | 115   | 1   | 20    |      |
| <b>WG539556</b> |      |                |            |    |        |        |       |      |        |       |     |       |      |
| WG539556ICV     | ICV  | 04/04/22 19:39 | II220401-2 | 2  |        | 1.986  | mg/L  | 99   | 95     | 105   |     |       |      |
| WG539556ICB     | ICB  | 04/04/22 19:45 |            |    |        | U      | mg/L  |      | -0.021 | 0.021 |     |       |      |
| WG539556LFB     | LFB  | 04/04/22 19:58 | II220330-3 | .5 |        | .5084  | mg/L  | 102  | 85     | 115   |     |       |      |
| L72069-01AS     | AS   | 04/04/22 20:04 | II220330-3 | .5 | .0663  | .5706  | mg/L  | 101  | 85     | 115   |     |       |      |
| L72069-01ASD    | ASD  | 04/04/22 20:07 | II220330-3 | .5 | .0663  | .5668  | mg/L  | 100  | 85     | 115   | 1   | 20    |      |

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG539579</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .05    |        | .052343 | mg/L  | 105  | 90        | 110      |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |        |        | .000087 | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .05005 |        | .05084  | mg/L  | 102  | 85        | 115      |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .05005 | U      | .04008  | mg/L  | 80   | 70        | 130      |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .05005 | U      | .039719 | mg/L  | 79   | 70        | 130      | 1   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 2     |        | 2.007 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | .5005 |        | .522  | mg/L  | 104  | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | .5005 | U      | .525  | mg/L  | 105  | 85    | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | .5005 | U      | .526  | mg/L  | 105  | 85    | 115   | 0   | 20    |      |
| <b>WG539556</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG539556ICV     | ICV  | 04/04/22 19:39 | II220401-2 | 2     |        | 2.024 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG539556ICB     | ICB  | 04/04/22 19:45 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG539556LFB     | LFB  | 04/04/22 19:58 | II220330-3 | .5005 |        | .53   | mg/L  | 106  | 85    | 115   |     |       |      |
| L72069-01AS     | AS   | 04/04/22 20:04 | II220330-3 | .5005 | .037   | .58   | mg/L  | 108  | 85    | 115   |     |       |      |
| L72069-01ASD    | ASD  | 04/04/22 20:07 | II220330-3 | .5005 | .037   | .589  | mg/L  | 110  | 85    | 115   | 2   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .05    |         | .052947 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |        |         | .000092 | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .05005 |         | .052698 | mg/L  | 105  | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .05005 | .000202 | .053414 | mg/L  | 106  | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .05005 | .000202 | .052395 | mg/L  | 104  | 70       | 130     | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72174**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 100      |        | 99.56 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |          |        | .12   | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | 67.99026 |        | 63.2  | mg/L  | 93   | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | 67.99026 | 70.1   | 129.3 | mg/L  | 87   | 85    | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | 67.99026 | 70.1   | 128.1 | mg/L  | 85   | 85    | 115   | 1   | 20    |      |
| <b>WG539556</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG539556ICV     | ICV  | 04/04/22 19:39 | II220401-2 | 100      |        | 98.86 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG539556ICB     | ICB  | 04/04/22 19:45 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG539556LFB     | LFB  | 04/04/22 19:58 | II220330-3 | 67.99026 |        | 65.58 | mg/L  | 96   | 85    | 115   |     |       |      |
| L72069-01AS     | AS   | 04/04/22 20:04 | II220330-3 | 67.99026 | 76.9   | 138.6 | mg/L  | 91   | 85    | 115   |     |       |      |
| L72069-01ASD    | ASD  | 04/04/22 20:07 | II220330-3 | 67.99026 | 76.9   | 138.4 | mg/L  | 90   | 85    | 115   | 0   | 20    |      |

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539697</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG539697ICV     | ICV  | 04/05/22 16:58 | WI210503-1 | 54.89 |        | 56.96 | mg/L  | 104  | 90    | 110   |     |       |      |
| WG539697ICB     | ICB  | 04/05/22 16:59 |            |       |        | U     | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG539697LFB1    | LFB  | 04/05/22 16:59 | WI220328-1 | 29.97 |        | 30.26 | mg/L  | 101  | 90    | 110   |     |       |      |
| WG539697LFB2    | LFB  | 04/05/22 17:14 | WI220328-1 | 29.97 |        | 30.95 | mg/L  | 103  | 90    | 110   |     |       |      |
| L72179-02AS     | AS   | 04/05/22 17:20 | WI220328-1 | 29.97 | 7.82   | 39.64 | mg/L  | 106  | 90    | 110   |     |       |      |
| L72179-03DUP    | DUP  | 04/05/22 17:20 |            |       | 8.09   | 8.35  | mg/L  |      |       |       | 3   | 20    |      |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG539579</b> |      |                |            |     |        |        |       |      |         |        |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .05 |        | .05188 | mg/L  | 104  | 90      | 110    |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |     |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .05 |        | .05001 | mg/L  | 100  | 85      | 115    |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .05 | .00236 | .04907 | mg/L  | 93   | 70      | 130    |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .05 | .00236 | .04754 | mg/L  | 90   | 70      | 130    | 3   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG539151</b> |      |                |          |      |        |       |          |      |       |       |     |       |      |
| WG539151LCSW2   | LCSW | 03/28/22 20:07 | PCN65231 | 1409 |        | 1395  | umhos/cm | 99   | 90    | 110   |     |       |      |
| WG539151LCSW5   | LCSW | 03/28/22 23:47 | PCN65231 | 1409 |        | 1390  | umhos/cm | 99   | 90    | 110   |     |       |      |
| L72180-01DUP    | DUP  | 03/29/22 3:27  |          |      | 1370   | 1373  | umhos/cm |      |       |       | 0   | 20    |      |
| WG539151LCSW8   | LCSW | 03/29/22 3:34  | PCN65231 | 1409 |        | 1389  | umhos/cm | 99   | 90    | 110   |     |       |      |
| WG539151LCSW11  | LCSW | 03/29/22 6:35  | PCN65231 | 1409 |        | 1381  | umhos/cm | 98   | 90    | 110   |     |       |      |
| WG539151LCSW14  | LCSW | 03/29/22 9:41  | PCN65231 | 1409 |        | 1376  | umhos/cm | 98   | 90    | 110   |     |       |      |

**OURAYS**

ACZ Project ID: **L72174**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .05 |        | .05205 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .05 |        | .04907 | mg/L  | 98   | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .05 | .00392 | .04286 | mg/L  | 78   | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .05 | .00392 | .04225 | mg/L  | 77   | 70       | 130     | 1   | 20    |      |

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG539325</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG539325ICV     | ICV  | 04/01/22 9:48  | WI220316-10 | .3003 |        | .302  | mg/L  | 101  | 90     | 110   |     |       |      |
| WG539325ICB     | ICB  | 04/01/22 9:49  |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG539491</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG539403LRB     | LRB  | 04/01/22 13:19 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG539403LFB     | LFB  | 04/01/22 13:20 | WI220331-2  | .2    |        | .2028 | mg/L  | 101  | 90     | 110   |     |       |      |
| L72174-01DUP    | DUP  | 04/01/22 13:25 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L72174-02LFM    | LFM  | 04/01/22 13:27 | WI220331-2  | .2    | .0031  | .1577 | mg/L  | 77   | 90     | 110   |     |       | M2   |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG540122</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG540122ICV     | ICV  | 04/12/22 11:36 | WC220408-1 | 2.008 |        | 1.98  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG540122ICB     | ICB  | 04/12/22 11:42 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| <b>WG540146</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG540146ICV     | ICV  | 04/12/22 13:13 | WC220408-1 | 2.008 |        | 2.04  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG540146ICB     | ICB  | 04/12/22 13:21 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG540146LFB1    | LFB  | 04/12/22 13:28 | WC220104-2 | 5.02  |        | 5.09  | mg/L  | 101  | 90    | 110   |     |       |      |
| L72170-05AS     | AS   | 04/12/22 14:33 | WC220104-2 | 5.02  | .35    | 5.46  | mg/L  | 102  | 90    | 110   |     |       |      |
| L72170-05ASD    | ASD  | 04/12/22 14:37 | WC220104-2 | 5.02  | .35    | 5.41  | mg/L  | 101  | 90    | 110   | 1   | 20    |      |
| WG540146LFB2    | LFB  | 04/12/22 15:29 | WC220104-2 | 5.02  |        | 5.05  | mg/L  | 101  | 90    | 110   |     |       |      |
| L72174-02AS     | AS   | 04/12/22 15:36 | WC220104-2 | 5.02  | .48    | 5.46  | mg/L  | 99   | 90    | 110   |     |       |      |
| L72174-02ASD    | ASD  | 04/12/22 15:39 | WC220104-2 | 5.02  | .48    | 5.46  | mg/L  | 99   | 90    | 110   | 0   | 20    |      |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 2      |        | 1.924 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | 1.0001 |        | 1.022 | mg/L  | 102  | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | 1.0001 | U      | .975  | mg/L  | 97   | 85    | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | 1.0001 | U      | .974  | mg/L  | 97   | 85    | 115   | 0   | 20    |      |
| <b>WG539556</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG539556ICV     | ICV  | 04/04/22 19:39 | II220401-2 | 2      |        | 1.941 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG539556ICB     | ICB  | 04/04/22 19:45 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG539556LFB     | LFB  | 04/04/22 19:58 | II220330-3 | 1.0001 |        | 1.041 | mg/L  | 104  | 85    | 115   |     |       |      |
| L72069-01AS     | AS   | 04/04/22 20:04 | II220330-3 | 1.0001 | U      | 1.026 | mg/L  | 103  | 85    | 115   |     |       |      |
| L72069-01ASD    | ASD  | 04/04/22 20:07 | II220330-3 | 1.0001 | U      | 1.026 | mg/L  | 103  | 85    | 115   | 0   | 20    |      |



**OURAYSM**

ACZ Project ID: **L72174**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .05   |        | .05185 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |       |        | .00016 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .0501 |        | .05129 | mg/L  | 102  | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .0501 | U      | .04098 | mg/L  | 82   | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .0501 | U      | .04015 | mg/L  | 80   | 70       | 130     | 2   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 100      |        | 95.96 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | 49.99828 |        | 48.02 | mg/L  | 96   | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | 49.99828 | 2.62   | 50.37 | mg/L  | 96   | 85    | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | 49.99828 | 2.62   | 49.72 | mg/L  | 94   | 85    | 115   | 1   | 20    |      |

**WG539556**

|              |     |                |            |          |      |       |      |    |      |     |   |    |  |
|--------------|-----|----------------|------------|----------|------|-------|------|----|------|-----|---|----|--|
| WG539556ICV  | ICV | 04/04/22 19:39 | II220401-2 | 100      |      | 94.75 | mg/L | 95 | 95   | 105 |   |    |  |
| WG539556ICB  | ICB | 04/04/22 19:45 |            |          |      | U     | mg/L |    | -0.6 | 0.6 |   |    |  |
| WG539556LFB  | LFB | 04/04/22 19:58 | II220330-3 | 49.99828 |      | 49.67 | mg/L | 99 | 85   | 115 |   |    |  |
| L72069-01AS  | AS  | 04/04/22 20:04 | II220330-3 | 49.99828 | 9.11 | 57.94 | mg/L | 98 | 85   | 115 |   |    |  |
| L72069-01ASD | ASD | 04/04/22 20:07 | II220330-3 | 49.99828 | 9.11 | 58.04 | mg/L | 98 | 85   | 115 | 0 | 20 |  |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 2    |        | 1.939 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | .499 |        | .507  | mg/L  | 102  | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | .499 | 1.39   | 1.795 | mg/L  | 81   | 85    | 115   |     |       | M2   |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | .499 | 1.39   | 1.786 | mg/L  | 79   | 85    | 115   | 1   | 20    | M2   |

**WG539556**

|              |     |                |            |      |   |       |      |     |       |      |   |    |  |
|--------------|-----|----------------|------------|------|---|-------|------|-----|-------|------|---|----|--|
| WG539556ICV  | ICV | 04/04/22 19:39 | II220401-2 | 2    |   | 1.938 | mg/L | 97  | 95    | 105  |   |    |  |
| WG539556ICB  | ICB | 04/04/22 19:45 |            |      |   | U     | mg/L |     | -0.03 | 0.03 |   |    |  |
| WG539556LFB  | LFB | 04/04/22 19:58 | II220330-3 | .499 |   | .514  | mg/L | 103 | 85    | 115  |   |    |  |
| L72069-01AS  | AS  | 04/04/22 20:04 | II220330-3 | .499 | U | .517  | mg/L | 104 | 85    | 115  |   |    |  |
| L72069-01ASD | ASD | 04/04/22 20:07 | II220330-3 | .499 | U | .513  | mg/L | 103 | 85    | 115  | 1 | 20 |  |

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539197</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG539197ICV1    | ICV  | 03/29/22 15:35 | HG220328-3 | .005005 |        | .00506 | mg/L  | 101  | 95       | 105     |     |       |      |
| WG539197ICB     | ICB  | 03/29/22 15:37 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG539160</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG539160LRB     | LRB  | 03/29/22 16:55 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG539160LFB     | LFB  | 03/29/22 16:56 | HG220328-6 | .002002 |        | .00207 | mg/L  | 103  | 85       | 115     |     |       |      |
| L72179-03LFM    | LFM  | 03/29/22 17:34 | HG220328-6 | .002002 | U      | .00207 | mg/L  | 103  | 85       | 115     |     |       |      |
| L72179-03LFMD   | LFMD | 03/29/22 17:35 | HG220328-6 | .002002 | U      | .00204 | mg/L  | 102  | 85       | 115     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72174**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .02    |        | .01948 | mg/L  | 97   | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .05005 |        | .05079 | mg/L  | 101  | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .05005 | .00098 | .05505 | mg/L  | 108  | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .05005 | .00098 | .05404 | mg/L  | 106  | 70       | 130     | 2   | 20    |      |

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 2     |        | 1.973 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |       |        | U     | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | .5005 |        | .5085 | mg/L  | 102  | 85     | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | .5005 | U      | .4969 | mg/L  | 99   | 85     | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | .5005 | U      | .4911 | mg/L  | 98   | 85     | 115   | 1   | 20    |      |

**WG539556**

|              |     |                |            |       |   |        |      |     |        |       |   |    |  |
|--------------|-----|----------------|------------|-------|---|--------|------|-----|--------|-------|---|----|--|
| WG539556ICV  | ICV | 04/04/22 19:39 | II220401-2 | 2     |   | 1.9332 | mg/L | 97  | 95     | 105   |   |    |  |
| WG539556ICB  | ICB | 04/04/22 19:45 |            |       |   | U      | mg/L |     | -0.024 | 0.024 |   |    |  |
| WG539556LFB  | LFB | 04/04/22 19:58 | II220330-3 | .5005 |   | .4999  | mg/L | 100 | 85     | 115   |   |    |  |
| L72069-01AS  | AS  | 04/04/22 20:04 | II220330-3 | .5005 | U | .5011  | mg/L | 100 | 85     | 115   |   |    |  |
| L72069-01ASD | ASD | 04/04/22 20:07 | II220330-3 | .5005 | U | .5055  | mg/L | 101 | 85     | 115   | 1 | 20 |  |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539726</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG539726ICV     | ICV  | 04/05/22 23:56 | WI220301-7  | 2.4161 |        | 2.332 | mg/L  | 97   | 90    | 110   |     |       |      |
| WG539726ICB     | ICB  | 04/05/22 23:57 |             |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG539730</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG539730LFB     | LFB  | 04/06/22 2:28  | WI220401-10 | 2      |        | 1.983 | mg/L  | 99   | 90    | 110   |     |       |      |
| L72172-02AS     | AS   | 04/06/22 2:50  | WI220401-10 | 2      | U      | 2.116 | mg/L  | 106  | 90    | 110   |     |       |      |
| L72172-03DUP    | DUP  | 04/06/22 2:53  |             |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539151</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG539151LCSW1   | LCSW | 03/28/22 20:05 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG539151LCSW4   | LCSW | 03/28/22 23:45 | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| L72180-01DUP    | DUP  | 03/29/22 3:27  |          |    | 8.2    | 8.2   | units |      |       |       | 0   | 20    |      |
| WG539151LCSW7   | LCSW | 03/29/22 3:32  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG539151LCSW10  | LCSW | 03/29/22 6:33  | PCN64057 | 6  |        | 6.1   | units | 102  | 5.9   | 6.1   |     |       |      |
| WG539151LCSW13  | LCSW | 03/29/22 9:39  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**OURAYSM**

ACZ Project ID: **L72174**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Phosphorus, total** M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed      | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539629</b> |      |               |             |        |        |       |       |      |       |       |     |       |      |
| WG539629ICV     | ICV  | 04/05/22 7:55 | WI220331-12 | .65228 |        | .654  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG539629ICB     | ICB  | 04/05/22 7:57 |             |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| <b>WG539646</b> |      |               |             |        |        |       |       |      |       |       |     |       |      |
| WG539576LRB     | LRB  | 04/05/22 9:47 |             |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG539576LFB     | LFB  | 04/05/22 9:48 | WI220401-5  | .5     |        | .457  | mg/L  | 91   | 90    | 110   |     |       |      |
| L72085-01LFM    | LFM  | 04/05/22 9:50 | WI220401-5  | .5     | U      | .482  | mg/L  | 96   | 90    | 110   |     |       |      |
| L72085-02DUP    | DUP  | 04/05/22 9:52 |             |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**Potassium, dissolved** M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 20       |        | 19.74 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | 99.95169 |        | 98.86 | mg/L  | 99   | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | 99.95169 | .89    | 101.1 | mg/L  | 100  | 85    | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | 99.95169 | .89    | 99.97 | mg/L  | 99   | 85    | 115   | 1   | 20    |      |
| <b>WG539556</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG539556ICV     | ICV  | 04/04/22 19:39 | II220401-2 | 20       |        | 19.63 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG539556ICB     | ICB  | 04/04/22 19:45 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG539556LFB     | LFB  | 04/04/22 19:58 | II220330-3 | 99.95169 |        | 103.1 | mg/L  | 103  | 85    | 115   |     |       |      |
| L72069-01AS     | AS   | 04/04/22 20:04 | II220330-3 | 99.95169 | 2.27   | 104.4 | mg/L  | 102  | 85    | 115   |     |       |      |
| L72069-01ASD    | ASD  | 04/04/22 20:07 | II220330-3 | 99.95169 | 2.27   | 104.2 | mg/L  | 102  | 85    | 115   | 0   | 20    |      |

**Residue, Filterable (TDS) @180C** SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539105</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG539105PBW     | PBW  | 03/28/22 12:22 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG539105LCSW    | LCSW | 03/28/22 12:24 | PCN65061 | 1000 |        | 982   | mg/L  | 98   | 80    | 120   |     |       |      |
| L72179-01DUP    | DUP  | 03/28/22 12:53 |          |      | 230    | 232   | mg/L  |      |       |       | 1   | 10    |      |

**Residue, Non-Filterable (TSS) @105C** SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539227</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG539227PBW     | PBW  | 03/29/22 15:40 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG539227LCSW    | LCSW | 03/29/22 15:42 | PCN65061 | 100 |        | 98    | mg/L  | 98   | 80    | 120   |     |       |      |
| L72194-01DUP    | DUP  | 03/29/22 16:11 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Selenium, dissolved** M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .05 |        | .05105 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .05 |        | .05135 | mg/L  | 103  | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .05 | .00138 | .05702 | mg/L  | 111  | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .05 | .00138 | .05616 | mg/L  | 110  | 70       | 130     | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72174**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Silica, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 42.8   |        | 43.32 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | 21.404 |        | 21.98 | mg/L  | 103  | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | 21.404 | 7.8    | 29.3  | mg/L  | 100  | 85    | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | 21.404 | 7.8    | 29.12 | mg/L  | 100  | 85    | 115   | 1   | 20    |      |
| <b>WG539556</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG539556ICV     | ICV  | 04/04/22 19:39 | II220401-2 | 42.8   |        | 43.16 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG539556ICB     | ICB  | 04/04/22 19:45 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG539556LFB     | LFB  | 04/04/22 19:58 | II220330-3 | 21.404 |        | 22.64 | mg/L  | 106  | 85    | 115   |     |       |      |
| L72069-01AS     | AS   | 04/04/22 20:04 | II220330-3 | 21.404 | 36     | 57.3  | mg/L  | 100  | 85    | 115   |     |       |      |
| L72069-01ASD    | ASD  | 04/04/22 20:07 | II220330-3 | 21.404 | 36     | 57.01 | mg/L  | 98   | 85    | 115   | 1   | 20    |      |

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .02 |        | .02112 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .01 |        | .01037 | mg/L  | 104  | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .01 | U      | .00886 | mg/L  | 89   | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .01 | U      | .0091  | mg/L  | 91   | 70       | 130     | 3   | 20    |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 100      |        | 99.34 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | 100.0039 |        | 99.11 | mg/L  | 99   | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | 100.0039 | 10     | 109.7 | mg/L  | 100  | 85    | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | 100.0039 | 10     | 108.4 | mg/L  | 98   | 85    | 115   | 1   | 20    |      |
| <b>WG539556</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG539556ICV     | ICV  | 04/04/22 19:39 | II220401-2 | 100      |        | 99.2  | mg/L  | 99   | 95    | 105   |     |       |      |
| WG539556ICB     | ICB  | 04/04/22 19:45 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG539556LFB     | LFB  | 04/04/22 19:58 | II220330-3 | 100.0039 |        | 104   | mg/L  | 104  | 85    | 115   |     |       |      |
| L72069-01AS     | AS   | 04/04/22 20:04 | II220330-3 | 100.0039 | 18.9   | 121.4 | mg/L  | 102  | 85    | 115   |     |       |      |
| L72069-01ASD    | ASD  | 04/04/22 20:07 | II220330-3 | 100.0039 | 18.9   | 120.8 | mg/L  | 102  | 85    | 115   | 0   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539701</b> |      |                |             |       |        |       |       |      |       |       |     |       |      |
| WG539701ICB     | ICB  | 04/05/22 8:37  |             |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG539701ICV     | ICV  | 04/05/22 8:37  | WI220331-10 | 20.46 |        | 18.5  | mg/L  | 90   | 90    | 110   |     |       |      |
| WG539701LFB     | LFB  | 04/05/22 15:33 | WI211230-5  | 9.95  |        | 10.2  | mg/L  | 103  | 90    | 110   |     |       |      |
| L72175-01AS     | AS   | 04/05/22 15:37 | WI211230-5  | 9.95  | 3.4    | 12.5  | mg/L  | 91   | 90    | 110   |     |       |      |
| L72174-03DUP    | DUP  | 04/05/22 15:44 |             |       | 158    | 156   | mg/L  |      |       |       | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L72174**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .05 |        | .05285 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .05 |        | .05081 | mg/L  | 102  | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .05 | U      | .0432  | mg/L  | 86   | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .05 | U      | .04401 | mg/L  | 88   | 70       | 130     | 2   | 20    |      |

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG539579</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG539579ICV     | ICV  | 04/04/22 12:33 | MS220401-7 | .05 |        | .05235 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG539579ICB     | ICB  | 04/04/22 12:35 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG539579LFB     | LFB  | 04/04/22 12:36 | MS220401-2 | .05 |        | .0515  | mg/L  | 103  | 85       | 115     |     |       |      |
| L72178-01AS     | AS   | 04/04/22 13:14 | MS220401-2 | .05 | .00169 | .04393 | mg/L  | 84   | 70       | 130     |     |       |      |
| L72178-01ASD    | ASD  | 04/04/22 13:15 | MS220401-2 | .05 | .00169 | .04366 | mg/L  | 84   | 70       | 130     | 1   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 2     |        | 1.983 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | .5005 |        | .5004 | mg/L  | 100  | 85     | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | .5005 | U      | .4958 | mg/L  | 99   | 85     | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | .5005 | U      | .494  | mg/L  | 99   | 85     | 115   | 0   | 20    |      |
| <b>WG539556</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG539556ICV     | ICV  | 04/04/22 19:39 | II220401-2 | 2     |        | 2.014 | mg/L  | 101  | 95     | 105   |     |       |      |
| WG539556ICB     | ICB  | 04/04/22 19:45 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG539556LFB     | LFB  | 04/04/22 19:58 | II220330-3 | .5005 |        | .5314 | mg/L  | 106  | 85     | 115   |     |       |      |
| L72069-01AS     | AS   | 04/04/22 20:04 | II220330-3 | .5005 | U      | .5254 | mg/L  | 105  | 85     | 115   |     |       |      |
| L72069-01ASD    | ASD  | 04/04/22 20:07 | II220330-3 | .5005 | U      | .52   | mg/L  | 104  | 85     | 115   | 1   | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG539496</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG539496ICV     | ICV  | 04/02/22 15:58 | II220401-2 | 2      |        | 1.941 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG539496ICB     | ICB  | 04/02/22 16:04 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG539496LFB     | LFB  | 04/02/22 16:16 | II220330-3 | .50045 |        | .508  | mg/L  | 102  | 85    | 115   |     |       |      |
| L72174-01AS     | AS   | 04/02/22 17:40 | II220330-3 | .50045 | .412   | .887  | mg/L  | 95   | 85    | 115   |     |       |      |
| L72174-01ASD    | ASD  | 04/02/22 17:43 | II220330-3 | .50045 | .412   | .889  | mg/L  | 95   | 85    | 115   | 0   | 20    |      |
| <b>WG539556</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG539556ICV     | ICV  | 04/04/22 19:39 | II220401-2 | 2      |        | 1.898 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG539556ICB     | ICB  | 04/04/22 19:45 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG539556LFB     | LFB  | 04/04/22 19:58 | II220330-3 | .50045 |        | .513  | mg/L  | 103  | 85    | 115   |     |       |      |
| L72069-01AS     | AS   | 04/04/22 20:04 | II220330-3 | .50045 | U      | .527  | mg/L  | 105  | 85    | 115   |     |       |      |
| L72069-01ASD    | ASD  | 04/04/22 20:07 | II220330-3 | .50045 | U      | .53   | mg/L  | 106  | 85    | 115   | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L72174**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                   | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L72174-01</b> | WG539491 | Cyanide, total                      | M335.4 - Colorimetric w/<br>distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  |          |                                     | M335.4 - Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG539496 | Manganese, dissolved                | M200.7 ICP                               | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG539730 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG539646 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid<br>(digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG539227 | Residue, Non-Filterable (TSS) @105C | SM2540D                                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L72174-02</b> | WG539491 | Cyanide, total                      | M335.4 - Colorimetric w/<br>distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  |          |                                     | M335.4 - Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG539730 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG539646 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid<br>(digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG539227 | Residue, Non-Filterable (TSS) @105C | SM2540D                                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L72174-03</b> | WG539491 | Cyanide, total                      | M335.4 - Colorimetric w/<br>distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  |          |                                     | M335.4 - Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG539730 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG539646 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid<br>(digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG539227 | Residue, Non-Filterable (TSS) @105C | SM2540D                                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                  | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L72174**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L72174

Date Received: 03/24/2022 10:55

Received By:

Date Printed: 3/25/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| NA37222   | 3         | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Gel ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.



Ouray Silver Mines

ACZ Project ID: L72174

Date Received: 03/24/2022 10:55

Received By:

Date Printed: 3/25/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc. L72174

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 970-325-9830

Copy of Report to:

Name: Poppy Staub  
Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com  
Telephone: 970-325-9830

Invoice to:

Name: Jen Smith  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Ouray, CO 81427  
Telephone: 970325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES ☒ NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring? Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mnt

\*Sampler's Signature: [Signature] \*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

| Quote #: GW |  |  | # of Containers | GW |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------|--|--|-----------------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|-------------|--|--|-----------------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

July 15, 2022

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable, Poppy Staub

Project ID:

ACZ Project ID: L74143

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 24, 2022. This project has been assigned to ACZ's project number, L74143. Please reference this number in all future inquiries.

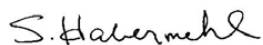
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L74143. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 14, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Scott Habermehl has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L74143-01**

Date Sampled: 06/21/22 09:44

Date Received: 06/24/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 06/25/22 15:45 | ssr     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 07/01/22 13:45 | gkk     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 07/01/22 9:50  | mfm     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 07/05/22 16:44 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000188 | B    |    | mg/L  | 0.00005 | 0.00025 | 06/28/22 15:16 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 06/30/22 10:53 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 07/06/22 23:37 | keh     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00352  |      |    | mg/L  | 0.0001  | 0.0005  | 06/28/22 15:16 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00215  |      |    | mg/L  | 0.0001  | 0.0005  | 07/05/22 19:34 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.143    |      |    | mg/L  | 0.0004  | 0.002   | 06/28/22 15:16 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/29/22 12:07 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 06/28/22 15:16 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0985   |      |    | mg/L  | 0.006   | 0.015   | 06/28/22 15:16 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 07/02/22 14:48 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.9    | H    |    | units | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| pH measured at                             |                                                | 1        | 22.8   |      |    | C     | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | U    | *  | mg/L  | 5     | 20   | 06/27/22 14:34 | pcj     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L74143-02**

Date Sampled: 06/23/22 09:29

Date Received: 06/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 07/02/22 11:23 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/30/22 9:07  | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    | *  | mg/L  | 0.05    | 0.25    | 07/12/22 18:05 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00158  | B    |    | mg/L  | 0.0004  | 0.002   | 07/01/22 20:26 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00253  |      |    | mg/L  | 0.0002  | 0.001   | 07/01/22 20:26 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0266   | B    |    | mg/L  | 0.009   | 0.035   | 07/12/22 18:05 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 07/05/22 18:16 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 07/12/22 18:05 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000490 |      |    | mg/L  | 0.00005 | 0.00025 | 07/01/22 20:26 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 38.4     |      |    | mg/L  | 0.1     | 0.5     | 07/12/22 18:05 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 07/01/22 20:26 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/01/22 20:26 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 07/12/22 18:05 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00046  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:26 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 1.76     |      |    | mg/L  | 0.2     | 1       | 07/14/22 17:25 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 0.480    |      |    | mg/L  | 0.01    | 0.05    | 07/12/22 18:05 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/29/22 11:25 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00538  |      |    | mg/L  | 0.0002  | 0.0005  | 07/01/22 20:26 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 07/12/22 18:05 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.44     | B    |    | mg/L  | 0.2     | 1       | 07/12/22 18:05 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00035  |      |    | mg/L  | 0.0001  | 0.00025 | 07/01/22 20:26 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.5      |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:05 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:26 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 4.39     |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:05 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:26 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00021  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:26 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    | *  | mg/L  | 0.01    | 0.025   | 07/12/22 18:05 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.156    |      |    | mg/L  | 0.02    | 0.05    | 07/12/22 18:05 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L74143-02**

Date Sampled: 06/23/22 09:29

Date Received: 06/24/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 51.5   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Total Alkalinity                          |                                       | 1        | 51.5   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 07/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.3    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.3    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.15   | B    | *  | mg/L     | 0.5   | 2    | 06/30/22 15:49 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 244    |      |    | umhos/cm | 1     | 10   | 07/06/22 3:04  | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 07/02/22 15:46 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.18   | B    | *  | mg/L     | 0.15  | 0.35 | 07/06/22 17:35 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 103    |      |    | mg/L     | 0.2   | 5    | 07/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.286  |      | *  | mg/L     | 0.02  | 0.1  | 07/09/22 22:50 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 8.0    | H    |    | units    | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| pH measured at                            |                                       | 1        | 22.8   |      |    | C        | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid           | 1        | 0.011  | B    |    | mg/L     | 0.01  | 0.05 | 07/05/22 10:54 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 154    |      |    | mg/L     | 20    | 40   | 06/28/22 16:50 | scd     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/28/22 15:21 | scd     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 57.5   |      | *  | mg/L     | 5     | 25   | 07/06/22 16:44 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 144    |      |    | mg/L     |       |      | 07/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.07   |      |    |          |       |      | 07/15/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L74143-03**

Date Sampled: 06/23/22 09:50

Date Received: 06/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 07/02/22 11:39 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/30/22 9:13  | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    | *  | mg/L  | 0.05    | 0.25    | 07/12/22 18:21 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00167  | B    |    | mg/L  | 0.0004  | 0.002   | 07/01/22 20:28 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00320  |      |    | mg/L  | 0.0002  | 0.001   | 07/01/22 20:28 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0272   | B    |    | mg/L  | 0.009   | 0.035   | 07/12/22 18:21 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 07/05/22 18:21 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 07/12/22 18:21 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000569 |      |    | mg/L  | 0.00005 | 0.00025 | 07/01/22 20:28 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 36.1     |      |    | mg/L  | 0.1     | 0.5     | 07/12/22 18:21 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 07/01/22 20:28 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/01/22 20:28 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 07/12/22 18:21 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00017  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:28 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 1.71     |      |    | mg/L  | 0.2     | 1       | 07/14/22 17:41 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 0.646    |      |    | mg/L  | 0.01    | 0.05    | 07/12/22 18:21 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/29/22 11:26 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00196  |      |    | mg/L  | 0.0002  | 0.0005  | 07/01/22 20:28 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 07/12/22 18:21 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.44     | B    |    | mg/L  | 0.2     | 1       | 07/12/22 18:21 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00029  |      |    | mg/L  | 0.0001  | 0.00025 | 07/01/22 20:28 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.0      |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:21 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:28 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 4.37     |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:21 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:28 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00021  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:28 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    | *  | mg/L  | 0.01    | 0.025   | 07/12/22 18:21 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.191    |      |    | mg/L  | 0.02    | 0.05    | 07/12/22 18:21 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L74143-03**

Date Sampled: 06/23/22 09:50

Date Received: 06/24/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 46.5   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Total Alkalinity                          |                                       | 1        | 46.5   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 07/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 2.2    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.2    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.25   | B    | *  | mg/L     | 0.5   | 2    | 06/30/22 15:50 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 235    |      |    | umhos/cm | 1     | 10   | 07/06/22 3:12  | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 07/02/22 15:42 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | <0.15  | U    | *  | mg/L     | 0.15  | 0.35 | 07/06/22 17:41 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 97     |      |    | mg/L     | 0.2   | 5    | 07/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.328  |      |    | mg/L     | 0.02  | 0.1  | 07/09/22 22:52 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.7    | H    |    | units    | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| pH measured at                            |                                       | 1        | 22.8   |      |    | C        | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid           | 1        | <0.01  | U    |    | mg/L     | 0.01  | 0.05 | 07/05/22 10:57 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 146    |      |    | mg/L     | 20    | 40   | 06/28/22 16:53 | scd     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/28/22 15:22 | scd     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 58.0   |      | *  | mg/L     | 5     | 25   | 07/06/22 16:44 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 139    |      |    | mg/L     |       |      | 07/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.05   |      |    |          |       |      | 07/15/22 0:00  | calc    |



**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L74143-04**

Date Sampled: 06/23/22 10:18

Date Received: 06/24/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 07/02/22 11:55 | bls     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 06/30/22 9:19  | wgm     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    | *  | mg/L  | 0.05    | 0.25    | 07/12/22 18:24 | keh1    |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00759  |      |    | mg/L  | 0.0004  | 0.002   | 07/01/22 20:29 | kja     |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00441  |      |    | mg/L  | 0.0002  | 0.001   | 07/01/22 20:29 | kja     |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0263   | B    |    | mg/L  | 0.009   | 0.035   | 07/12/22 18:24 | keh1    |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 07/05/22 18:23 | kja     |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 07/12/22 18:24 | keh1    |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.00325  |      |    | mg/L  | 0.00005 | 0.00025 | 07/01/22 20:29 | kja     |
| Calcium, dissolved    | M200.7 ICP    | 1        | 50.1     |      |    | mg/L  | 0.1     | 0.5     | 07/12/22 18:24 | keh1    |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 07/01/22 20:29 | kja     |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 07/01/22 20:29 | kja     |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 07/12/22 18:24 | keh1    |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00166  |      |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:29 | kja     |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 3.80     |      |    | mg/L  | 0.2     | 1       | 07/14/22 17:44 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 4.10     |      |    | mg/L  | 0.01    | 0.05    | 07/12/22 18:24 | keh1    |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 06/29/22 11:29 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00551  |      |    | mg/L  | 0.0002  | 0.0005  | 07/01/22 20:29 | kja     |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 07/12/22 18:24 | keh1    |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.75     | B    |    | mg/L  | 0.2     | 1       | 07/12/22 18:24 | keh1    |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00042  |      |    | mg/L  | 0.0001  | 0.00025 | 07/01/22 20:29 | kja     |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.5      |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:24 | keh1    |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:29 | kja     |
| Sodium, dissolved     | M200.7 ICP    | 1        | 8.58     |      |    | mg/L  | 0.2     | 1       | 07/12/22 18:24 | keh1    |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:29 | kja     |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00043  | B    |    | mg/L  | 0.0001  | 0.0005  | 07/01/22 20:29 | kja     |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    | *  | mg/L  | 0.01    | 0.025   | 07/12/22 18:24 | keh1    |
| Zinc, dissolved       | M200.7 ICP    | 1        | 1.03     |      |    | mg/L  | 0.02    | 0.05    | 07/12/22 18:24 | keh1    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L74143-04**

Date Sampled: 06/23/22 10:18

Date Received: 06/24/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 56.1   |      |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Total Alkalinity                          |                                       | 1        | 56.1   |      | *  | mg/L     | 2     | 20   | 07/06/22 0:00  | emk     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 07/15/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 3.5    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 3.5    |      |    | meq/L    |       |      | 07/15/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.47   | B    | *  | mg/L     | 0.5   | 2    | 06/30/22 15:50 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 356    |      |    | umhos/cm | 1     | 10   | 07/06/22 3:58  | emk     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 07/02/22 15:43 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.27   | B    | *  | mg/L     | 0.15  | 0.35 | 07/06/22 17:47 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 141    |      |    | mg/L     | 0.2   | 5    | 07/15/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.661  |      |    | mg/L     | 0.02  | 0.1  | 07/09/22 22:55 | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.5    | H    |    | units    | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| pH measured at                            |                                       | 1        | 22.7   |      |    | C        | 0.1   | 0.1  | 07/06/22 0:00  | emk     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid           | 1        | <0.01  | U    |    | mg/L     | 0.01  | 0.05 | 07/05/22 10:58 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 236    |      |    | mg/L     | 20    | 40   | 06/28/22 16:56 | scd     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | U    | *  | mg/L     | 5     | 20   | 06/28/22 15:24 | scd     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 108    |      | *  | mg/L     | 5     | 25   | 07/06/22 16:45 | mjj1    |
| TDS (calculated)                          | Calculation                           |          | 221    |      |    | mg/L     |       |      | 07/15/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.07   |      |    |          |       |      | 07/15/22 0:00  | calc    |



## Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

## QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

## QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

## ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

## Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

## Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545624</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG545624PBW1    | PBW  | 07/05/22 20:43 |            |          |        | 2.3   | mg/L  |      | -20   | 20    |     |       |      |
| WG545624LCSW3   | LCSW | 07/05/22 21:02 | WC220701-2 | 820.0001 |        | 777.9 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG545624LCSW6   | LCSW | 07/06/22 0:30  | WC220701-2 | 820.0001 |        | 779.2 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG545624PBW2    | PBW  | 07/06/22 0:41  |            |          |        | 4.1   | mg/L  |      | -20   | 20    |     |       |      |
| L74143-03DUP    | DUP  | 07/06/22 3:20  |            |          | 46.5   | 46.6  | mg/L  |      |       |       | 0   | 20    |      |
| WG545624LCSW9   | LCSW | 07/06/22 3:40  | WC220701-2 | 820.0001 |        | 780.6 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG545624PBW3    | PBW  | 07/06/22 3:50  |            |          |        | 4.4   | mg/L  |      | -20   | 20    |     |       |      |
| L74145-04DUP    | DUP  | 07/06/22 5:07  |            |          | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| WG545624LCSW12  | LCSW | 07/06/22 6:20  | WC220701-2 | 820.0001 |        | 773.8 | mg/L  | 94   | 90    | 110   |     |       |      |
| WG545624PBW4    | PBW  | 07/06/22 6:31  |            |          |        | 4.7   | mg/L  |      | -20   | 20    |     |       |      |
| WG545624LCSW15  | LCSW | 07/06/22 10:58 | WC220701-2 | 820.0001 |        | 783.2 | mg/L  | 96   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2      |        | 1.944 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 1.0008 |        | .99   | mg/L  | 99   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 1.0008 | U      | 1.159 | mg/L  | 116  | 85    | 115   |     |       | MA   |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 1.0008 | U      | 1.011 | mg/L  | 101  | 85    | 115   | 14  | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .0201 |        | .01891 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .01   |        | .01011 | mg/L  | 101  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .01   | .00759 | .01689 | mg/L  | 93   | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .01   | .00759 | .01691 | mg/L  | 93   | 70       | 130     | 0   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05    |        | .05181 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05005 |        | .05271 | mg/L  | 105  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05005 | .00441 | .05846 | mg/L  | 108  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05005 | .00441 | .05748 | mg/L  | 106  | 70       | 130     | 2   | 20    |      |

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |      |        |        |       |      |        |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2    |        | 1.9812 | mg/L  | 99   | 95     | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |      |        | U      | mg/L  |      | -0.027 | 0.027 |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .502 |        | .5004  | mg/L  | 100  | 85     | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .502 | .0266  | .5335  | mg/L  | 101  | 85     | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .502 | .0266  | .5126  | mg/L  | 97   | 85     | 115   | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG545723</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG545723ICV     | ICV  | 07/05/22 17:37 | MS220701-3 | .05    |        | .050511 | mg/L  | 101  | 90        | 110      |     |       |      |
| WG545723ICB     | ICB  | 07/05/22 17:39 |            |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG545723LFB     | LFB  | 07/05/22 17:40 | MS220627-2 | .05005 |        | .050247 | mg/L  | 100  | 85        | 115      |     |       |      |
| L74178-01AS     | AS   | 07/05/22 18:29 | MS220627-2 | .05005 | U      | .049839 | mg/L  | 100  | 70        | 130      |     |       |      |
| L74178-01ASD    | ASD  | 07/05/22 18:30 | MS220627-2 | .05005 | U      | .05225  | mg/L  | 104  | 70        | 130      | 5   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2     |        | 2.028 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .5005 |        | .522  | mg/L  | 104  | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .5005 | U      | .544  | mg/L  | 109  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .5005 | U      | .529  | mg/L  | 106  | 85    | 115   | 3   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05    |        | .050983 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05005 |        | .0523   | mg/L  | 104  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05005 | .00325 | .054134 | mg/L  | 102  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05005 | .00325 | .053673 | mg/L  | 101  | 70       | 130     | 1   | 20    |      |

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample  | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|---------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG545337</b> |      |                |            |        |         |         |       |      |          |         |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .05    |         | .05475  | mg/L  | 110  | 90       | 110     |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |        |         | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .05005 |         | .049692 | mg/L  | 99   | 85       | 115     |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |        |         | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .05005 | .000188 | .053093 | mg/L  | 106  | 70       | 130     |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .05005 | .000188 | .050483 | mg/L  | 100  | 70       | 130     | 5   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 100      |        | 98.07 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 67.98862 |        | 67.49 | mg/L  | 99   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 67.98862 | 38.4   | 114.8 | mg/L  | 112  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 67.98862 | 38.4   | 104.1 | mg/L  | 97   | 85    | 115   | 10  | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500CI-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545529</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG545529ICV     | ICV  | 06/30/22 15:28 | WI220502-12 | 54.945 |        | 55.98 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG545529ICB     | ICB  | 06/30/22 15:28 |             |        |        | .85   | mg/L  |      | -1.5  | 1.5   |     |       |      |
| WG545529LFB1    | LFB  | 06/30/22 15:29 | WI220328-1  | 29.97  |        | 29.74 | mg/L  | 99   | 90    | 110   |     |       |      |
| L74143-02AS     | AS   | 06/30/22 15:49 | WI220328-1  | 29.97  | 1.15   | 30.28 | mg/L  | 97   | 90    | 110   |     |       |      |
| L74143-03DUP    | DUP  | 06/30/22 15:50 |             |        | 1.25   | 1.03  | mg/L  |      |       |       | 19  | 20    | RA   |
| WG545529LFB2    | LFB  | 06/30/22 16:12 | WI220328-1  | 29.97  |        | 31.44 | mg/L  | 105  | 90    | 110   |     |       | B7   |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG545606</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05   |        | .0515  | mg/L  | 103  | 90      | 110    |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .0501 |        | .05217 | mg/L  | 104  | 85      | 115    |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .0501 | U      | .05144 | mg/L  | 103  | 70      | 130    |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .0501 | U      | .05078 | mg/L  | 101  | 70      | 130    | 1   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG545624</b> |      |                |          |      |        |       |          |      |       |       |     |       |      |
| WG545624LCSW2   | LCSW | 07/05/22 20:49 | PCN65647 | 1409 |        | 1390  | umhos/cm | 99   | 90    | 110   |     |       |      |
| WG545624LCSW5   | LCSW | 07/06/22 0:16  | PCN65647 | 1409 |        | 1385  | umhos/cm | 98   | 90    | 110   |     |       |      |
| L74143-03DUP    | DUP  | 07/06/22 3:20  |          |      | 235    | 236   | umhos/cm |      |       |       | 0   | 20    |      |
| WG545624LCSW8   | LCSW | 07/06/22 3:25  | PCN65647 | 1409 |        | 1380  | umhos/cm | 98   | 90    | 110   |     |       |      |
| L74145-04DUP    | DUP  | 07/06/22 5:07  |          |      | 2330   | 2340  | umhos/cm |      |       |       | 0   | 20    |      |
| WG545624LCSW11  | LCSW | 07/06/22 6:06  | PCN65647 | 1409 |        | 1380  | umhos/cm | 98   | 90    | 110   |     |       |      |
| WG545624LCSW14  | LCSW | 07/06/22 10:44 | PCN65647 | 1409 |        | 1364  | umhos/cm | 97   | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05 |        | .05447 | mg/L  | 109  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05 |        | .05327 | mg/L  | 107  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05 | U      | .05125 | mg/L  | 103  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05 | U      | .05077 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545479</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545479ICV     | ICV  | 06/30/22 10:00 | MS220502-1 | .05 |        | .05173 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG545479ICB     | ICB  | 06/30/22 10:02 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG545479LFB     | LFB  | 06/30/22 10:03 | MS220627-2 | .05 |        | .04582 | mg/L  | 92   | 85       | 115     |     |       |      |
| WG545114PBW     | PBW  | 06/30/22 10:05 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG545171PBW     | PBW  | 06/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L74075-05AS     | AS   | 06/30/22 10:36 | MS220627-2 | .05 | U      | .03812 | mg/L  | 76   | 70       | 130     |     |       |      |
| L74075-05ASD    | ASD  | 06/30/22 10:37 | MS220627-2 | .05 | U      | .03604 | mg/L  | 72   | 70       | 130     | 6   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG545638</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG545638ICV     | ICV  | 07/02/22 15:17 | WI220623-6 | .3003 |        | .2828 | mg/L  | 94   | 90     | 110   |     |       |      |
| WG545638ICB     | ICB  | 07/02/22 15:18 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG545635LRB     | LRB  | 07/02/22 15:19 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG545635LFB     | LFB  | 07/02/22 15:20 | WI220629-3 | .2    |        | .2185 | mg/L  | 109  | 90     | 110   |     |       |      |
| L74143-03LFM    | LFM  | 07/02/22 15:43 | WI220629-3 | .2    | U      | .1354 | mg/L  | 68   | 90     | 110   |     |       | M2   |
| L74143-02DUP    | DUP  | 07/02/22 15:46 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG545636</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG545636ICV     | ICV  | 07/02/22 12:41 | WI220623-6 | .3003 |        | .2805 | mg/L  | 93   | 90     | 110   |     |       |      |
| WG545636ICB     | ICB  | 07/02/22 12:42 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG545637</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG545550LRB     | LRB  | 07/02/22 13:37 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG545550LFB     | LFB  | 07/02/22 13:38 | WI220630-2 | .2002 |        | .2444 | mg/L  | 122  | 90     | 110   |     |       | LA   |
| WG545637ICV     | ICV  | 07/02/22 14:41 | WI220623-6 | .3003 |        | .2829 | mg/L  | 94   | 90     | 110   |     |       |      |
| WG545637ICB     | ICB  | 07/02/22 14:42 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| L74109-01DUP    | DUP  | 07/02/22 14:44 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L74109-02LFM    | LFM  | 07/02/22 14:45 | WI220630-2 | .2002 | U      | .2436 | mg/L  | 122  | 90     | 110   |     |       | M1   |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545810</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG545810ICV     | ICV  | 07/06/22 12:59 | WC220627-1 | 2.008 |        | 2.01  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG545810ICB     | ICB  | 07/06/22 13:07 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG545810LFB1    | LFB  | 07/06/22 13:15 | WC220606-1 | 5.02  |        | 5.07  | mg/L  | 101  | 90    | 110   |     |       |      |
| L74055-02AS     | AS   | 07/06/22 16:59 | WC220606-1 | 5.02  | .74    | 4.79  | mg/L  | 81   | 90    | 110   |     |       | M2   |
| L74055-02ASD    | ASD  | 07/06/22 17:07 | WC220606-1 | 5.02  | .74    | 4.93  | mg/L  | 83   | 90    | 110   | 3   | 20    | M2   |
| WG545810LFB3    | LFB  | 07/06/22 17:28 | WC220606-1 | 5.02  |        | 4.72  | mg/L  | 94   | 90    | 110   |     |       |      |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2      |        | 2.007 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 1.0013 |        | 1.019 | mg/L  | 102  | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 1.0013 | U      | 1.044 | mg/L  | 104  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 1.0013 | U      | 1.008 | mg/L  | 101  | 85    | 115   | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG545845</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG545845ICV     | ICV  | 07/06/22 21:43 | II220624-2 | 2      |        | 2     | mg/L  | 100  | 95     | 105   |     |       |      |
| WG545845ICB     | ICB  | 07/06/22 21:49 |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG545668LRB     | LRB  | 07/06/22 22:05 |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG545668LFB     | LFB  | 07/06/22 22:08 | II220628-3 | 1.0013 |        | 1.014 | mg/L  | 101  | 85     | 115   |     |       |      |
| L74140-09LFM    | LFM  | 07/06/22 23:25 | II220628-3 | 1.0013 | 1.28   | 2.328 | mg/L  | 105  | 70     | 130   |     |       |      |
| L74140-09LFMD   | LFMD | 07/06/22 23:28 | II220628-3 | 1.0013 | 1.28   | 2.245 | mg/L  | 96   | 70     | 130   | 4   | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05   |        | .05118 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .0501 |        | .05214 | mg/L  | 104  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .0501 | .00166 | .05254 | mg/L  | 102  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .0501 | .00166 | .05233 | mg/L  | 101  | 70       | 130     | 0   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545337</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .05   |        | .05519 | mg/L  | 110  | 90       | 110     |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .0501 |        | .04835 | mg/L  | 97   | 85       | 115     |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .0501 | .00352 | .0538  | mg/L  | 100  | 70       | 130     |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .0501 | .00352 | .0515  | mg/L  | 96   | 70       | 130     | 4   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545728</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545728ICV     | ICV  | 07/05/22 18:58 | MS220701-3 | .05   |        | .05122 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG545728ICB     | ICB  | 07/05/22 19:00 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG545564LRB     | LRB  | 07/05/22 19:02 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545564LFB     | LFB  | 07/05/22 19:03 | MS220627-2 | .0501 |        | .04875 | mg/L  | 97   | 85       | 115     |     |       |      |
| L74148-02LFM    | LFM  | 07/05/22 19:43 | MS220627-2 | .0501 | .00011 | .04907 | mg/L  | 98   | 70       | 130     |     |       |      |
| L74148-02LFMD   | LFMD | 07/05/22 19:45 | MS220627-2 | .0501 | .00011 | .04923 | mg/L  | 98   | 70       | 130     | 0   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546353</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546353ICV     | ICV  | 07/14/22 15:59 | II220624-2 | 100      |        | 95.05 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG546353ICB     | ICB  | 07/14/22 16:05 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546353LFB     | LFB  | 07/14/22 16:18 | II220628-3 | 49.99809 |        | 47.39 | mg/L  | 95   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/14/22 17:35 | II220628-3 | 49.99809 | 1.76   | 55.39 | mg/L  | 107  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/14/22 17:38 | II220628-3 | 49.99809 | 1.76   | 49.87 | mg/L  | 96   | 85    | 115   | 10  | 20    |      |



**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2    |        | 1.947 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .499 |        | .496  | mg/L  | 99   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .499 | .48    | .962  | mg/L  | 97   | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .499 | .48    | .934  | mg/L  | 91   | 85    | 115   | 3   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545337</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .05   |        | .05515 | mg/L  | 110  | 90       | 110     |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .0498 |        | .05004 | mg/L  | 100  | 85       | 115     |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .0498 | .143   | .19389 | mg/L  | 102  | 70       | 130     |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .0498 | .143   | .19149 | mg/L  | 97   | 70       | 130     | 1   | 20    |      |

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545292</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG545292ICV     | ICV  | 06/29/22 10:52 | HG220620-3 | .005005 |        | .00495 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG545292ICB     | ICB  | 06/29/22 10:53 |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG545293</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG545293LRB     | LRB  | 06/29/22 11:07 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545293LFB     | LFB  | 06/29/22 11:08 | HG220620-6 | .002002 |        | .0019  | mg/L  | 95   | 85       | 115     |     |       |      |
| L74112-03LFM    | LFM  | 06/29/22 11:23 | HG220620-6 | .002002 | U      | .00189 | mg/L  | 94   | 85       | 115     |     |       |      |
| L74112-03LFMD   | LFMD | 06/29/22 11:24 | HG220620-6 | .002002 | U      | .00185 | mg/L  | 92   | 85       | 115     | 2   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545292</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG545292ICV     | ICV  | 06/29/22 10:52 | HG220620-3 | .005005 |        | .00495 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG545292ICB     | ICB  | 06/29/22 10:53 |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG545305</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG545305LRB     | LRB  | 06/29/22 11:41 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545305LFB     | LFB  | 06/29/22 11:42 | HG220620-6 | .002002 |        | .00193 | mg/L  | 96   | 85       | 115     |     |       |      |
| L74055-03LFM    | LFM  | 06/29/22 11:57 | HG220620-6 | .002002 | U      | .00193 | mg/L  | 96   | 85       | 115     |     |       |      |
| L74055-03LFMD   | LFMD | 06/29/22 11:58 | HG220620-6 | .002002 | U      | .00191 | mg/L  | 95   | 85       | 115     | 1   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .02    |        | .01977 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05005 |        | .05234 | mg/L  | 105  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05005 | .00551 | .05625 | mg/L  | 101  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05005 | .00551 | .05572 | mg/L  | 100  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |      |        |       |       |      |        |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2    |        | 1.956 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |      |        | U     | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .502 |        | .5139 | mg/L  | 102  | 85     | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .502 | U      | .5133 | mg/L  | 102  | 85     | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .502 | U      | .499  | mg/L  | 99   | 85     | 115   | 3   | 20    |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546094</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546094ICV     | ICV  | 07/09/22 20:59 | WI220602-3 | 2.4161 |        | 2.381 | mg/L  | 99   | 90    | 110   |     |       |      |
| WG546094ICB     | ICB  | 07/09/22 21:01 |            |        |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG546095</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546095LFB1    | LFB  | 07/09/22 22:11 | WI220630-7 | 2      |        | 1.991 | mg/L  | 100  | 90    | 110   |     |       |      |
| L73971-03AS     | AS   | 07/09/22 22:33 | WI220630-7 | 2      | U      | 2.074 | mg/L  | 104  | 90    | 110   |     |       |      |
| L73971-04DUP    | DUP  | 07/09/22 22:35 |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| WG546095LFB2    | LFB  | 07/09/22 22:51 | WI220630-7 | 2      |        | 2.004 | mg/L  | 100  | 90    | 110   |     |       |      |
| L74143-03AS     | AS   | 07/09/22 22:54 | WI220630-7 | 2      | .328   | 2.367 | mg/L  | 102  | 90    | 110   |     |       |      |
| L74143-04DUP    | DUP  | 07/09/22 23:01 |            |        | .661   | .659  | mg/L  |      |       |       | 0   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545624</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG545624LCSW1   | LCSW | 07/05/22 20:47 | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG545624LCSW4   | LCSW | 07/06/22 0:14  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L74143-03DUP    | DUP  | 07/06/22 3:20  |          |    | 7.7    | 7.7   | units |      |       |       | 0   | 20    |      |
| WG545624LCSW7   | LCSW | 07/06/22 3:24  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L74145-04DUP    | DUP  | 07/06/22 5:07  |          |    | 4      | 4     | units |      |       |       | 0   | 20    |      |
| WG545624LCSW10  | LCSW | 07/06/22 6:04  | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG545624LCSW13  | LCSW | 07/06/22 10:43 | PCN64057 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545622</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG545622ICV     | ICV  | 07/05/22 9:36  | WI220624-5 | .65228 |        | .666  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG545622ICB     | ICB  | 07/05/22 9:38  |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| <b>WG545674</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG545475LRB     | LRB  | 07/05/22 10:44 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG545475LFB     | LFB  | 07/05/22 10:45 | WI220622-7 | .5     |        | .509  | mg/L  | 102  | 90    | 110   |     |       |      |
| L73974-03LFM    | LFM  | 07/05/22 10:48 | WI220622-7 | .5     | .027   | .521  | mg/L  | 99   | 90    | 110   |     |       |      |
| L73974-04DUP    | DUP  | 07/05/22 11:13 |            |        | .817   | .841  | mg/L  |      |       |       | 3   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 20       |        | 19.47 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 99.95798 |        | 95.37 | mg/L  | 95   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 99.95798 | .44    | 110.8 | mg/L  | 110  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 99.95798 | .44    | 96.67 | mg/L  | 96   | 85    | 115   | 14  | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545346</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG545346PBW     | PBW  | 06/28/22 16:30 |          |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG545346LCSW    | LCSW | 06/28/22 16:32 | PCN65053 | 1000 |        | 994   | mg/L  | 99   | 80    | 120   |     |       |      |
| L74146-01DUP    | DUP  | 06/28/22 17:01 |          |      | 4280   | 4292  | mg/L  |      |       |       | 0   | 10    |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG545231</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG545231PBW     | PBW  | 06/27/22 13:50 |          |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG545231LCSW    | LCSW | 06/27/22 13:52 | PCN65053 | 100 |        | 95    | mg/L  | 95   | 80    | 120   |     |       |      |
| L74150-05DUP    | DUP  | 06/27/22 14:50 |          |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |
| <b>WG545342</b> |      |                |          |     |        |       |       |      |       |       |     |       |      |
| WG545342PBW     | PBW  | 06/28/22 15:15 |          |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG545342LCSW    | LCSW | 06/28/22 15:16 | PCN65053 | 100 |        | 95    | mg/L  | 95   | 80    | 120   |     |       |      |
| L74145-01DUP    | DUP  | 06/28/22 15:33 |          |     | 13     | 9     | mg/L  |      |       |       | 36  | 10    | RA   |

**Selenium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05 |        | .04705 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | .0001  | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05 |        | .04897 | mg/L  | 98   | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05 | .00042 | .05024 | mg/L  | 100  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05 | .00042 | .04996 | mg/L  | 99   | 70       | 130     | 1   | 20    |      |

**Silica, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 42.8   |        | 43.18 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 21.404 |        | 22.18 | mg/L  | 104  | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 21.404 | 6.5    | 29.74 | mg/L  | 109  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 21.404 | 6.5    | 28.64 | mg/L  | 103  | 85    | 115   | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .02 |        | .02009 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .01 |        | .01005 | mg/L  | 101  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .01 | U      | .00981 | mg/L  | 98   | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .01 | U      | .00983 | mg/L  | 98   | 70       | 130     | 0   | 20    |      |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545337</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .02 |        | .02166 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .01 |        | .00984 | mg/L  | 98   | 85       | 115     |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .01 | U      | .00954 | mg/L  | 95   | 70       | 130     |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .01 | U      | .00954 | mg/L  | 95   | 70       | 130     | 0   | 20    |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 100      |        | 98.1  | mg/L  | 98   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | 100.0023 |        | 96.64 | mg/L  | 97   | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | 100.0023 | 4.39   | 115.7 | mg/L  | 111  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | 100.0023 | 4.39   | 101.4 | mg/L  | 97   | 85    | 115   | 13  | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG545661</b> |      |                |            |       |        |        |       |      |       |       |     |       |      |
| WG545661ICB     | ICB  | 07/06/22 13:36 |            |       |        | U      | mg/L  |      | -3    | 3     |     |       |      |
| WG545661ICV     | ICV  | 07/06/22 13:36 | WI220705-4 | 19.54 |        | 19.8   | mg/L  | 101  | 90    | 110   |     |       |      |
| WG545661LFB1    | LFB  | 07/06/22 15:42 | WI220415-3 | 9.95  |        | 9.2    | mg/L  | 92   | 90    | 110   |     |       |      |
| WG545661LFB2    | LFB  | 07/06/22 16:38 | WI220415-3 | 9.95  |        | 9.3    | mg/L  | 93   | 90    | 110   |     |       |      |
| L74142-03DUP    | DUP  | 07/06/22 16:44 |            |       | 1880   | 1898.4 | mg/L  |      |       |       | 1   | 20    |      |
| L74142-04AS     | AS   | 07/06/22 16:44 | SO4TURB25X | 50    | 3270   | 3269.5 | mg/L  | -1   | 90    | 110   |     |       | M3   |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05 |        | .0521  | mg/L  | 104  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05 |        | .05215 | mg/L  | 104  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05 | U      | .05144 | mg/L  | 103  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05 | U      | .05112 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L74143**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG545606</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG545606ICV     | ICV  | 07/01/22 19:40 | MS220502-1 | .05 |        | .05152 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG545606ICB     | ICB  | 07/01/22 19:42 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG545606LFB     | LFB  | 07/01/22 19:44 | MS220627-2 | .05 |        | .05197 | mg/L  | 104  | 85       | 115     |     |       |      |
| L74143-04AS     | AS   | 07/01/22 20:31 | MS220627-2 | .05 | .00043 | .05269 | mg/L  | 105  | 70       | 130     |     |       |      |
| L74143-04ASD    | ASD  | 07/01/22 20:33 | MS220627-2 | .05 | .00043 | .05221 | mg/L  | 104  | 70       | 130     | 1   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2     |        | 2.016 | mg/L  | 101  | 95     | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .5005 |        | .5034 | mg/L  | 101  | 85     | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .5005 | U      | .5857 | mg/L  | 117  | 85     | 115   |     |       | MA   |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .5005 | U      | .515  | mg/L  | 103  | 85     | 115   | 13  | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG546147</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG546147ICV     | ICV  | 07/12/22 16:40 | II220624-2 | 2      |        | 1.917 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG546147ICB     | ICB  | 07/12/22 16:46 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG546147LFB     | LFB  | 07/12/22 16:59 | II220628-3 | .50045 |        | .506  | mg/L  | 101  | 85    | 115   |     |       |      |
| L74143-02AS     | AS   | 07/12/22 18:15 | II220628-3 | .50045 | .156   | .727  | mg/L  | 114  | 85    | 115   |     |       |      |
| L74143-02ASD    | ASD  | 07/12/22 18:18 | II220628-3 | .50045 | .156   | .651  | mg/L  | 99   | 85    | 115   | 11  | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG545337</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG545337ICV     | ICV  | 06/28/22 14:34 | MS220502-1 | .05     |        | .0542 | mg/L  | 108  | 90      | 110    |     |       |      |
| WG545337ICB     | ICB  | 06/28/22 14:36 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG545337LFB     | LFB  | 06/28/22 14:38 | MS220627-2 | .050075 |        | .0519 | mg/L  | 104  | 85      | 115    |     |       |      |
| WG545171PBW     | PBW  | 06/28/22 14:41 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L74143-01AS     | AS   | 06/28/22 15:18 | MS220627-2 | .050075 | .0985  | .1508 | mg/L  | 104  | 70      | 130    |     |       |      |
| L74143-01ASD    | ASD  | 06/28/22 15:20 | MS220627-2 | .050075 | .0985  | .1474 | mg/L  | 98   | 70      | 130    | 2   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L74143**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L74143-01</b> | WG545637 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/ distillation | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [ $< MDL$ ].                                           |
|                  |          |                                     | SM4500-CN I,E-Colorimetric w/ distillation | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|                  |          |                                     | SM4500-CN I,E-Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545231 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
| <b>L74143-02</b> | WG546147 | Aluminum, dissolved                 | M200.7 ICP                                 | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG545529 | Chloride                            | SM4500CI-E                                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545638 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  |          |                                     | M335.4 - Colorimetric w/ distillation      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545810 | Fluoride                            | SM4500F-C                                  | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG546095 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545342 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG545661 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG546147 | Vanadium, dissolved                 | M200.7 ICP                                 | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
| <b>L74143-03</b> | WG546147 | Aluminum, dissolved                 | M200.7 ICP                                 | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG545529 | Chloride                            | SM4500CI-E                                 | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545638 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation      | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  |          |                                     | M335.4 - Colorimetric w/ distillation      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  | WG545810 | Fluoride                            | SM4500F-C                                  | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG545342 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x MDL$ ).                             |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG545661 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC            | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
| <b>L74143-03</b> | WG546147 | Vanadium, dissolved                 | M200.7 ICP                                 | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L74143**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                                           |
|------------------|----------|-------------------------------------|---------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L74143-04</b> | WG546147 | Aluminum, dissolved                 | M200.7 ICP                            | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |
|                  | WG545529 | Chloride                            | SM4500CI-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG545638 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  |          |                                     | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG545810 | Fluoride                            | SM4500F-C                             | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|                  | WG545342 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  |          |                                     | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                                      |
|                  | WG545661 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC       | M3   | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable. |
|                  | WG545624 | Total Alkalinity                    | SM2320B - Titration                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|                  | WG546147 | Vanadium, dissolved                 | M200.7 ICP                            | MA   | Recovery for either the spike or spike duplicate was outside of the acceptance limits; the RPD was within the acceptance limits.                                                                      |

**Ouray Silver Mines**

ACZ Project ID: **L74143**

No certification qualifiers associated with this analysis



Ouray Silver Mines

ACZ Project ID: L74143

Date Received: 06/24/2022 12:25

Received By:

Date Printed: 6/27/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                       | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 3679      | 3.8       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L74143

Date Received: 06/24/2022 12:25

Received By:

Date Printed: 6/27/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

**Laboratories, Inc.**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

**CHAIN of CUSTODY****Report to:**

Name: Todd Jesse

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Address: 1900 Main St Unit 1

Ouray, CO 81427

Telephone: 720-469-7557

**Copy of Report to:**

Name: Poppy Staub

Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com

Telephone: 970-325-9830

**Invoice to:**

Name: Don Cordson

Company: Ouray Silver Mines

E-mail: payable@ouraysilvermines.com

Address: PO Box 564

Ouray, CO 81427

Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

**Are samples for SDWA Compliance Monitoring?**Yes ☐No ☒**If yes, please include state forms. Results will be reported to PQL for Colorado.**

Sampler's Name: Todd Jesse

Sampler's Site Information State CO

Zip code 81427

Time Zone mnt

\*Sampler's Signature:

\*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

**PROJECT INFORMATION**

ANALYSES REQUESTED (attach list or use quote number)

Quote #: GW &amp; CDPS-BIMONTH-VW

PO#:

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

| SAMPLE IDENTIFICATION | DATE:TIME       | Matrix | # of Containers | ANALYSES REQUESTED (attach list or use quote number) |                                     |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|-----------------|--------|-----------------|------------------------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                       |                 |        |                 | GW                                                   | CDPS-BIMONTH-VW                     |                          |                          |                          |                          |                          |                          |                          |                          |
| OF002A                | 6/21/22 : 09:44 | WW     | 4               | <input type="checkbox"/>                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| UG-5                  | 6/23/22 : 09:29 | GW     | 5               | <input checked="" type="checkbox"/>                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| UG-2                  | 6/23/22 : 09:50 | GW     | 5               | <input checked="" type="checkbox"/>                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| UG-8                  | 6/23/22 : 10:18 | GW     | 5               | <input checked="" type="checkbox"/>                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

**REMARKS**

Please refer to ACZ's terms &amp; conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

6/23/22 15:30

6/24/22

FRMAD050.06.14.14

White - Return with sample.

Yellow - Retain for your records.



L74143 Chain of Custody

October 31, 2022

Report to:  
Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427  
  
cc: Poppy Staub

Bill to:  
Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

Project ID:  
ACZ Project ID: L76164

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on September 23, 2022. This project has been assigned to ACZ's project number, L76164. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L76164. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after November 30, 2022. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.



Mark McNeal has reviewed  
and approved this report.



**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L76164-01**

Date Sampled: 09/15/22 09:13

Date Received: 09/23/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/29/22 10:44 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/29/22 12:22 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 10/05/22 21:09 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00075  | B    |    | mg/L  | 0.0004  | 0.002   | 09/30/22 11:24 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00252  |      |    | mg/L  | 0.0002  | 0.001   | 09/30/22 11:24 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0236   | B    |    | mg/L  | 0.009   | 0.035   | 10/05/22 21:09 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/30/22 11:24 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 10/05/22 21:09 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.000975 |      |    | mg/L  | 0.00005 | 0.00025 | 09/30/22 11:24 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 46.2     |      | *  | mg/L  | 0.1     | 0.5     | 10/05/22 21:09 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/30/22 11:24 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 1        | 0.00103  | B    |    | mg/L  | 0.0008  | 0.002   | 09/30/22 11:24 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 10/05/22 21:09 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00051  |      |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.07     |      |    | mg/L  | 0.2     | 1       | 10/10/22 23:56 | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 1.10     |      |    | mg/L  | 0.01    | 0.05    | 10/05/22 21:09 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/29/22 15:10 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00406  |      |    | mg/L  | 0.0002  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 10/05/22 21:09 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.48     | B    |    | mg/L  | 0.2     | 1       | 10/05/22 21:09 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00044  |      |    | mg/L  | 0.0001  | 0.00025 | 09/30/22 11:24 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.8      |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:09 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 5.43     |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:09 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00025  | B    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:24 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 10/05/22 21:09 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.341    |      |    | mg/L  | 0.02    | 0.05    | 10/05/22 21:09 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L76164-01**

Date Sampled: 09/15/22 09:13

Date Received: 09/23/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 56.6   |      |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 56.6   |      | *  | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -3.4   |      |    | %        |       |      | 10/31/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 3      |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.8    |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <1     | U    |    | mg/L     | 1     | 2    | 09/27/22 10:55 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 292    |      | *  | umhos/cm | 1     | 10   | 09/28/22 4:57  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/30/22 12:22 | mrd     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.19   | B    |    | mg/L     | 0.15  | 0.35 | 10/12/22 16:08 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 124    |      |    | mg/L     | 0.2   | 5    | 10/31/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.262  |      | *  | mg/L     | 0.02  | 0.1  | 10/01/22 1:04  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.8    | H    |    | units    | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.8   |      |    | C        | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/30/22 12:58 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 196    | H    | *  | mg/L     | 20    | 40   | 09/26/22 12:09 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | 8.0    | BH   | *  | mg/L     | 5     | 20   | 09/26/22 15:22 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 87.9   |      | *  | mg/L     | 5     | 25   | 10/03/22 15:07 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 187    |      |    | mg/L     |       |      | 10/31/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.05   |      |    |          |       |      | 10/31/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L76164-02**

Date Sampled: 09/15/22 10:08

Date Received: 09/23/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/29/22 10:52 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/29/22 12:34 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 10/05/22 21:12 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00061  | B    |    | mg/L  | 0.0004  | 0.002   | 09/30/22 11:26 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00278  |      |    | mg/L  | 0.0002  | 0.001   | 09/30/22 11:26 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0261   | B    |    | mg/L  | 0.009   | 0.035   | 10/05/22 21:12 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | <0.00008 | U    |    | mg/L  | 0.00008 | 0.00025 | 09/30/22 11:26 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 10/05/22 21:12 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.00125  |      |    | mg/L  | 0.00005 | 0.00025 | 09/30/22 11:26 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 47.3     |      | *  | mg/L  | 0.1     | 0.5     | 10/05/22 21:12 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/30/22 11:26 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 09/30/22 11:26 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 10/05/22 21:12 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00011  | B    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.18     |      |    | mg/L  | 0.2     | 1       | 10/11/22 0:06  | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 1.51     |      |    | mg/L  | 0.01    | 0.05    | 10/05/22 21:12 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/29/22 15:11 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00227  |      |    | mg/L  | 0.0002  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 10/05/22 21:12 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.47     | B    |    | mg/L  | 0.2     | 1       | 10/05/22 21:12 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00036  |      |    | mg/L  | 0.0001  | 0.00025 | 09/30/22 11:26 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 6.6      |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:12 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 5.70     |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:12 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00025  | B    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:26 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 10/05/22 21:12 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.427    |      |    | mg/L  | 0.02    | 0.05    | 10/05/22 21:12 | wtc     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L76164-02**

Date Sampled: 09/15/22 10:08

Date Received: 09/23/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 58.4   |      |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 58.4   |      | *  | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -4.9   |      |    | %        |       |      | 10/31/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 3.2    |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 2.9    |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | <1     | U    |    | mg/L     | 1     | 2    | 09/27/22 10:55 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 304    |      | *  | umhos/cm | 1     | 10   | 09/28/22 5:04  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/30/22 12:23 | mrd     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.17   | B    |    | mg/L     | 0.15  | 0.35 | 10/12/22 16:16 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 127    |      |    | mg/L     | 0.2   | 5    | 10/31/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.283  |      | *  | mg/L     | 0.02  | 0.1  | 10/01/22 1:05  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.8    | H    |    | units    | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.8   |      |    | C        | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/30/22 13:00 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 204    | H    | *  | mg/L     | 20    | 40   | 09/26/22 12:12 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/26/22 15:24 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 96.3   |      | *  | mg/L     | 5     | 25   | 10/03/22 15:07 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 198    |      |    | mg/L     |       |      | 10/31/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.03   |      |    |          |       |      | 10/31/22 0:00  | calc    |



**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L76164-03**

Date Sampled: 09/15/22 10:41

Date Received: 09/23/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 09/29/22 11:09 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 09/29/22 12:47 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 10/05/22 21:16 | wtc     |
| Antimony, dissolved   | M200.8 ICP-MS | 1        | 0.00189  | B    |    | mg/L  | 0.0004  | 0.002   | 09/30/22 11:33 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 1        | 0.00431  |      |    | mg/L  | 0.0002  | 0.001   | 09/30/22 11:33 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0244   | B    |    | mg/L  | 0.009   | 0.035   | 10/05/22 21:16 | wtc     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | 0.000091 | B    |    | mg/L  | 0.00008 | 0.00025 | 09/30/22 11:33 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 10/05/22 21:16 | wtc     |
| Cadmium, dissolved    | M200.8 ICP-MS | 1        | 0.00575  |      |    | mg/L  | 0.00005 | 0.00025 | 09/30/22 11:33 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 68.2     |      | *  | mg/L  | 0.1     | 0.5     | 10/05/22 21:16 | wtc     |
| Chromium, dissolved   | M200.8 ICP-MS | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 09/30/22 11:33 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 1        | 0.00450  |      |    | mg/L  | 0.0008  | 0.002   | 09/30/22 11:33 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | 0.063    | B    |    | mg/L  | 0.06    | 0.15    | 10/05/22 21:16 | wtc     |
| Lead, dissolved       | M200.8 ICP-MS | 1        | 0.00053  |      |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 4.36     |      |    | mg/L  | 0.2     | 1       | 10/11/22 0:09  | keh1    |
| Manganese, dissolved  | M200.7 ICP    | 1        | 7.81     |      |    | mg/L  | 0.01    | 0.05    | 10/05/22 21:16 | wtc     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/29/22 15:12 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 1        | 0.00620  |      |    | mg/L  | 0.0002  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 10/05/22 21:16 | wtc     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 1.03     |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:16 | wtc     |
| Selenium, dissolved   | M200.8 ICP-MS | 1        | 0.00041  |      |    | mg/L  | 0.0001  | 0.00025 | 09/30/22 11:33 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.1      |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:16 | wtc     |
| Silver, dissolved     | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 12.0     |      |    | mg/L  | 0.2     | 1       | 10/05/22 21:16 | wtc     |
| Thallium, dissolved   | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 1        | 0.00057  |      |    | mg/L  | 0.0001  | 0.0005  | 09/30/22 11:33 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 10/05/22 21:16 | wtc     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 1.97     |      |    | mg/L  | 0.02    | 0.05    | 10/05/22 21:16 | wtc     |

### Ouray Silver Mines

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L76164-03**

Date Sampled: 09/15/22 10:41

Date Received: 09/23/22

Sample Matrix: Groundwater

#### Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 69.5   |      |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 69.5   |      |    | mg/L     | 2     | 20   | 09/28/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 0.0    |      |    | %        |       |      | 10/31/22 0:00  | calc    |
| Sum of Anions                             |                                       |          | 5      |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Sum of Cations                            |                                       |          | 5      |      |    | meq/L    |       |      | 10/31/22 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.14   | B    |    | mg/L     | 1     | 2    | 09/27/22 10:56 | mjj1    |
| Conductivity @25C                         | SM2510B                               | 1        | 469    |      |    | umhos/cm | 1     | 10   | 09/28/22 5:11  | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | UH   | *  | mg/L     | 0.003 | 0.01 | 09/30/22 12:24 | mrd     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.37   |      |    | mg/L     | 0.15  | 0.35 | 10/12/22 16:23 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 188    |      |    | mg/L     | 0.2   | 5    | 10/31/22 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.358  |      | *  | mg/L     | 0.02  | 0.1  | 10/01/22 1:06  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.9    | H    |    | units    | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 21.7   |      |    | C        | 0.1   | 0.1  | 09/28/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | U    | *  | mg/L     | 0.01  | 0.05 | 09/30/22 13:02 | bls     |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 320    | H    | *  | mg/L     | 20    | 40   | 09/26/22 12:15 | svm     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 09/26/22 15:27 | mrh     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 167    |      | *  | mg/L     | 5     | 25   | 10/03/22 15:07 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 317    |      |    | mg/L     |       |      | 10/31/22 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.01   |      |    |          |       |      | 10/31/22 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L76164-04**

Date Sampled: 09/15/22 11:37

Date Received: 09/23/22

Sample Matrix: Waste Water

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 10/28/11 11:05 | scp     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 09/28/22 11:28 | wgm     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 09/29/22 18:58 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 09/29/22 15:55 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000190 | B    |    | mg/L  | 0.00005 | 0.00025 | 10/05/22 10:05 | mfm     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 10/05/22 10:05 | mfm     |
| Iron, total recoverable             | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15    | 10/04/22 0:50  | wtc     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00040  | B    |    | mg/L  | 0.0001  | 0.0005  | 10/05/22 10:05 | mfm     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00117  |      |    | mg/L  | 0.0001  | 0.0005  | 10/03/22 11:21 | kja     |
| Manganese, potentially<br>dissolved | M200.8 ICP-MS | 1        | 0.235    |      |    | mg/L  | 0.0004  | 0.002   | 10/05/22 10:05 | mfm     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 09/29/22 13:10 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 10/05/22 10:05 | mfm     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.0908   |      |    | mg/L  | 0.006   | 0.015   | 10/28/22 20:48 | mfm     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 09/28/22 15:16 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 7.0    | H    |    | units | 0.1   | 0.1  | 10/01/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 21.0   |      |    | C     | 0.1   | 0.1  | 10/01/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | 5.0    | BH   | *  | mg/L  | 5     | 20   | 09/26/22 9:59  | svm     |



#### Report Header Explanations

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

#### QC Sample Types

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

#### QC Sample Type Explanations

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

#### ACZ Qualifiers (Qual)

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

#### Method References

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

#### Comments

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551456</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG551456PBW1    | PBW  | 09/27/22 16:33 |            |          |        | 19.6  | mg/L  |      | -20   | 20    |     |       |      |
| WG551456LCSW3   | LCSW | 09/27/22 16:52 | WC220916-1 | 820.0001 |        | 766.8 | mg/L  | 94   | 90    | 110   |     |       |      |
| WG551456LCSW6   | LCSW | 09/27/22 19:42 | WC220916-1 | 820.0001 |        | 772   | mg/L  | 94   | 90    | 110   |     |       |      |
| WG551456PBW2    | PBW  | 09/27/22 19:49 |            |          |        | 7.7   | mg/L  |      | -20   | 20    |     |       |      |
| WG551456LCSW9   | LCSW | 09/27/22 22:37 | WC220916-1 | 820.0001 |        | 775.5 | mg/L  | 95   | 90    | 110   |     |       |      |
| WG551456PBW3    | PBW  | 09/27/22 22:45 |            |          |        | 7.9   | mg/L  |      | -20   | 20    |     |       |      |
| WG551456LCSW12  | LCSW | 09/28/22 2:23  | WC220916-1 | 820.0001 |        | 768.9 | mg/L  | 94   | 90    | 110   |     |       |      |
| WG551456PBW4    | PBW  | 09/28/22 2:31  |            |          |        | 7.5   | mg/L  |      | -20   | 20    |     |       |      |
| L76078-07DUP    | DUP  | 09/28/22 3:54  |            |          | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| L76164-03DUP    | DUP  | 09/28/22 5:18  |            |          | 69.5   | 67.7  | mg/L  |      |       |       | 3   | 20    |      |
| WG551456LCSW15  | LCSW | 09/28/22 5:37  | WC220916-1 | 820.0001 |        | 786.6 | mg/L  | 96   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2      |        | 1.929 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 1.0008 |        | .97   | mg/L  | 97   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 1.0008 | U      | .982  | mg/L  | 98   | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 1.0008 | U      | .962  | mg/L  | 96   | 85    | 115   | 2   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .0201 |        | .01804 | mg/L  | 90   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |       |        | .00043 | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .01   |        | .00983 | mg/L  | 98   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .01   | .00061 | .0102  | mg/L  | 96   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .01   | .00061 | .00965 | mg/L  | 90   | 70       | 130     | 6   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05    |        | .04769 | mg/L  | 95   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05005 |        | .04764 | mg/L  | 95   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05005 | .00278 | .05501 | mg/L  | 104  | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05005 | .00278 | .04956 | mg/L  | 93   | 70       | 130     | 10  | 20    |      |

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |      |        |       |       |      |        |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2    |        | 1.918 | mg/L  | 96   | 95     | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |      |        | U     | mg/L  |      | -0.027 | 0.027 |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .502 |        | .4781 | mg/L  | 95   | 85     | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .502 | .13    | .6143 | mg/L  | 96   | 85     | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .502 | .13    | .6055 | mg/L  | 95   | 85     | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG551657</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05    |        | .04814  | mg/L  | 96   | 90        | 110      |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05005 |        | .048306 | mg/L  | 97   | 85        | 115      |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05005 | U      | .052419 | mg/L  | 105  | 70        | 130      |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05005 | U      | .048056 | mg/L  | 96   | 70        | 130      | 9   | 20    |      |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2     |        | 1.954 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .5005 |        | .497  | mg/L  | 99   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .5005 | .069   | .579  | mg/L  | 102  | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .5005 | .069   | .573  | mg/L  | 101  | 85    | 115   | 1   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05    |        | .046416 | mg/L  | 93   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05005 |        | .046733 | mg/L  | 93   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05005 | .00125 | .052204 | mg/L  | 102  | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05005 | .00125 | .048191 | mg/L  | 94   | 70       | 130     | 8   | 20    |      |

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .05    |        | .050749 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .05005 |        | .046636 | mg/L  | 93   | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .05005 | U      | .047638 | mg/L  | 95   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .05005 | U      | .043588 | mg/L  | 87   | 70       | 130     | 9   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 100      |        | 95.94 | mg/L  | 96   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 67.98862 |        | 65.45 | mg/L  | 96   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 67.98862 | 142    | 195.6 | mg/L  | 79   | 85    | 115   |     |       | M2   |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 67.98862 | 142    | 196.7 | mg/L  | 80   | 85    | 115   | 1   | 20    | M2   |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chloride**

SM4500Cl-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551385</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG551385ICB     | ICB  | 09/27/22 9:06  |             |        |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG551385ICV     | ICV  | 09/27/22 9:06  | WI220502-12 | 54.945 |        | 56.21 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG551385LFB     | LFB  | 09/27/22 10:53 | WI220328-1  | 29.97  |        | 32.66 | mg/L  | 109  | 90    | 110   |     |       |      |
| L76158-07AS     | AS   | 09/27/22 10:55 | WI220328-1  | 29.97  | 15.8   | 48.06 | mg/L  | 108  | 90    | 110   |     |       |      |
| L76158-08DUP    | DUP  | 09/27/22 10:55 |             |        | 99.2   | 99.2  | mg/L  |      |       |       | 0   | 20    |      |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG551657</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05   |        | .04721 | mg/L  | 94   | 90      | 110    |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .0501 |        | .04576 | mg/L  | 91   | 85      | 115    |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .0501 | U      | .04654 | mg/L  | 93   | 70      | 130    |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .0501 | U      | .04209 | mg/L  | 84   | 70      | 130    | 10  | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG551456</b> |      |                |           |      |        |       |          |      |       |       |     |       |      |
| WG551456LCSW2   | LCSW | 09/27/22 16:39 | PCN623318 | 1409 |        | 1462  | umhos/cm | 104  | 90    | 110   |     |       |      |
| WG551456LCSW5   | LCSW | 09/27/22 19:28 | PCN623318 | 1409 |        | 1443  | umhos/cm | 102  | 90    | 110   |     |       |      |
| WG551456LCSW8   | LCSW | 09/27/22 22:23 | PCN623318 | 1409 |        | 1428  | umhos/cm | 101  | 90    | 110   |     |       |      |
| WG551456LCSW11  | LCSW | 09/28/22 2:11  | PCN623318 | 1409 |        | 1423  | umhos/cm | 101  | 90    | 110   |     |       |      |
| L76078-07DUP    | DUP  | 09/28/22 3:54  |           |      | U      | U     | umhos/cm |      |       |       | 0   | 20    | RA   |
| L76164-03DUP    | DUP  | 09/28/22 5:18  |           |      | 469    | 469   | umhos/cm |      |       |       | 0   | 20    |      |
| WG551456LCSW14  | LCSW | 09/28/22 5:23  | PCN623318 | 1409 |        | 1407  | umhos/cm | 100  | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05 |        | .04893 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05 |        | .04632 | mg/L  | 93   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05 | U      | .04595 | mg/L  | 92   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05 | U      | .04195 | mg/L  | 84   | 70       | 130     | 9   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .05 |        | .05174 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .05 |        | .04686 | mg/L  | 94   | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .05 | .00303 | .04503 | mg/L  | 84   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .05 | .00303 | .04198 | mg/L  | 78   | 70       | 130     | 7   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG551734</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG551734ICV     | ICV  | 09/30/22 12:16 | WI220928-5 | .3003 |        | .2926 | mg/L  | 97   | 90     | 110   |     |       |      |
| WG551734ICB     | ICB  | 09/30/22 12:16 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG551608LRB     | LRB  | 09/30/22 12:17 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG551608LFB     | LFB  | 09/30/22 12:18 | WI220927-2 | .2    |        | .2197 | mg/L  | 110  | 90     | 110   |     |       |      |
| L76164-02DUP    | DUP  | 09/30/22 12:23 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L76186-02LFM    | LFM  | 09/30/22 12:29 | WI220927-2 | .2    | U      | .2163 | mg/L  | 108  | 90     | 110   |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG551559</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG551559ICV     | ICV  | 09/28/22 14:58 | WI220928-5 | .3003 |        | .3009 | mg/L  | 100  | 90     | 110   |     |       |      |
| WG551559ICB     | ICB  | 09/28/22 14:59 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG551499LRB     | LRB  | 09/28/22 14:59 |            |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG551499LFB     | LFB  | 09/28/22 15:00 | WI220928-4 | .2002 |        | .1956 | mg/L  | 98   | 90     | 110   |     |       |      |
| L76187-01DUP    | DUP  | 09/28/22 15:18 |            |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L76188-03LFM    | LFM  | 09/28/22 15:25 | WI220928-4 | .2002 | U      | .137  | mg/L  | 68   | 90     | 110   |     |       | M2   |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552559</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG552559ICV     | ICV  | 10/12/22 10:52 | WC221006-4 | 2.008 |        | 2.07  | mg/L  | 103  | 90    | 110   |     |       |      |
| WG552559ICB     | ICB  | 10/12/22 10:59 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG552559LFB1    | LFB  | 10/12/22 11:10 | WC221011-2 | 5.02  |        | 5.17  | mg/L  | 103  | 90    | 110   |     |       |      |
| WG552559LFB2    | LFB  | 10/12/22 14:48 | WC221011-2 | 5.02  |        | 5.34  | mg/L  | 106  | 90    | 110   |     |       |      |
| L75937-02AS     | AS   | 10/12/22 15:04 | WC221011-2 | 5.02  | 1.23   | 6.37  | mg/L  | 102  | 90    | 110   |     |       |      |
| L75937-02ASD    | ASD  | 10/12/22 15:12 | WC221011-2 | 5.02  | 1.23   | 6.46  | mg/L  | 104  | 90    | 110   | 1   | 20    |      |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2      |        | 1.938 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |        |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 1.0013 |        | .972  | mg/L  | 97   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 1.0013 | U      | 1.026 | mg/L  | 102  | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 1.0013 | U      | 1.001 | mg/L  | 100  | 85    | 115   | 2   | 20    |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG551792</b> |      |                |            |        |        |       |       |      |        |       |     |       |      |
| WG551792ICV     | ICV  | 10/03/22 23:52 | II220927-1 | 2      |        | 2.007 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG551792ICB     | ICB  | 10/04/22 0:00  |            |        |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG551612LRB     | LRB  | 10/04/22 0:15  |            |        |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG551612LFB     | LFB  | 10/04/22 0:19  | II220915-2 | 1.0013 |        | 1.032 | mg/L  | 103  | 85     | 115   |     |       |      |
| L76170-01LFM    | LFM  | 10/04/22 1:06  | II220915-2 | 1.0013 | .072   | 1.062 | mg/L  | 99   | 70     | 130   |     |       |      |
| L76170-01LFMD   | LFMD | 10/04/22 1:09  | II220915-2 | 1.0013 | .072   | 1.08  | mg/L  | 101  | 70     | 130   | 2   | 20    |      |



**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05   |        | .04666 | mg/L  | 93   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .0501 |        | .04641 | mg/L  | 93   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .0501 | .00011 | .04967 | mg/L  | 99   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .0501 | .00011 | .04606 | mg/L  | 92   | 70       | 130     | 8   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .05   |        | .05178 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .0501 |        | .04699 | mg/L  | 94   | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .0501 | .00038 | .04846 | mg/L  | 96   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .0501 | .00038 | .04445 | mg/L  | 88   | 70       | 130     | 9   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551810</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551810ICV     | ICV  | 10/03/22 10:36 | MS220930-3 | .05   |        | .05124 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG551810ICB     | ICB  | 10/03/22 10:37 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG551651LRB     | LRB  | 10/03/22 10:39 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551651LFB     | LFB  | 10/03/22 10:41 | MS220822-2 | .0501 |        | .04969 | mg/L  | 99   | 85       | 115     |     |       |      |
| L76169-01LFM    | LFM  | 10/03/22 11:24 | MS220822-2 | .0501 | .00021 | .05137 | mg/L  | 102  | 70       | 130     |     |       |      |
| L76169-01LFMD   | LFMD | 10/03/22 11:26 | MS220822-2 | .0501 | .00021 | .05473 | mg/L  | 109  | 70       | 130     | 6   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552389</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG552389ICV     | ICV  | 10/10/22 22:20 | II221010-3 | 100      |        | 95.4  | mg/L  | 95   | 95    | 105   |     |       |      |
| WG552389ICB     | ICB  | 10/10/22 22:26 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG552389LFB     | LFB  | 10/10/22 22:39 | II221008-2 | 49.99809 |        | 47.9  | mg/L  | 96   | 85    | 115   |     |       |      |
| L76164-01AS     | AS   | 10/10/22 23:59 | II221008-2 | 49.99809 | 2.07   | 51.34 | mg/L  | 99   | 85    | 115   |     |       |      |
| L76164-01ASD    | ASD  | 10/11/22 0:03  | II221008-2 | 49.99809 | 2.07   | 51.39 | mg/L  | 99   | 85    | 115   | 0   | 20    |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2    |        | 1.898 | mg/L  | 95   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .499 |        | .483  | mg/L  | 97   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .499 | .09    | .583  | mg/L  | 99   | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .499 | .09    | .57   | mg/L  | 96   | 85    | 115   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .05   |        | .05251 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .0498 |        | .04805 | mg/L  | 96   | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .0498 | .0184  | .06455 | mg/L  | 93   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .0498 | .0184  | .06043 | mg/L  | 84   | 70       | 130     | 7   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551488</b> |      |                |             |         |        |        |       |      |          |         |     |       |      |
| WG551488ICV1    | ICV  | 09/29/22 9:50  | HG220913-9  | .005005 |        | .00494 | mg/L  | 99   | 95       | 105     |     |       |      |
| WG551488ICB     | ICB  | 09/29/22 9:51  |             |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG551609</b> |      |                |             |         |        |        |       |      |          |         |     |       |      |
| WG551609LRB     | LRB  | 09/29/22 14:57 |             |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG551609LFB     | LFB  | 09/29/22 14:58 | HG220913-12 | .002002 |        | .002   | mg/L  | 100  | 85       | 115     |     |       |      |
| L75947-01LFM    | LFM  | 09/29/22 15:00 | HG220913-12 | .002002 | U      | .00197 | mg/L  | 98   | 85       | 115     |     |       |      |
| L75947-01LFMD   | LFMD | 09/29/22 15:01 | HG220913-12 | .002002 | U      | .00203 | mg/L  | 101  | 85       | 115     | 3   | 20    |      |
| L76164-03LFM    | LFM  | 09/29/22 15:13 | HG220913-12 | .002002 | U      | .00199 | mg/L  | 99   | 85       | 115     |     |       |      |
| L76164-03LFMD   | LFMD | 09/29/22 15:14 | HG220913-12 | .002002 | U      | .00201 | mg/L  | 100  | 85       | 115     | 1   | 20    |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551488</b> |      |                |             |         |        |        |       |      |          |         |     |       |      |
| WG551488ICV1    | ICV  | 09/29/22 9:50  | HG220913-9  | .005005 |        | .00494 | mg/L  | 99   | 95       | 105     |     |       |      |
| WG551488ICB     | ICB  | 09/29/22 9:51  |             |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG551548</b> |      |                |             |         |        |        |       |      |          |         |     |       |      |
| WG551548LRB     | LRB  | 09/29/22 12:47 |             |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG551548LFB     | LFB  | 09/29/22 12:48 | HG220913-12 | .002002 |        | .0019  | mg/L  | 95   | 85       | 115     |     |       |      |
| L76158-08LFM    | LFM  | 09/29/22 13:03 | HG220913-12 | .002002 | U      | .0019  | mg/L  | 95   | 85       | 115     |     |       |      |
| L76158-08LFMD   | LFMD | 09/29/22 13:04 | HG220913-12 | .002002 | U      | .00192 | mg/L  | 96   | 85       | 115     | 1   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .02    |        | .01836 | mg/L  | 92   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05005 |        | .04554 | mg/L  | 91   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05005 | .00227 | .05054 | mg/L  | 96   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05005 | .00227 | .04602 | mg/L  | 87   | 70       | 130     | 9   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |      |        |        |       |      |        |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2    |        | 1.8932 | mg/L  | 95   | 95     | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |      |        | U      | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .502 |        | .4782  | mg/L  | 95   | 85     | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .502 | U      | .4807  | mg/L  | 96   | 85     | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .502 | U      | .4789  | mg/L  | 95   | 85     | 115   | 0   | 20    |      |

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551782</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG551782ICV     | ICV  | 09/30/22 22:21 | WI220903-1 | 2.416 |        | 2.384 | mg/L  | 99   | 90    | 110   |     |       |      |
| WG551782ICB     | ICB  | 09/30/22 22:23 |            |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG551785</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG551785LFB     | LFB  | 10/01/22 0:27  | WI220826-7 | 2     |        | 2.058 | mg/L  | 103  | 90    | 110   |     |       |      |
| L75916-01DUP    | DUP  | 10/01/22 0:53  |            |       | .043   | .042  | mg/L  |      |       |       | 2   | 20    | RA   |
| L75916-01AS     | AS   | 10/01/22 0:54  | WI220826-7 | 2     | .043   | 2.11  | mg/L  | 103  | 90    | 110   |     |       |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551456</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG551456LCSW1   | LCSW | 09/27/22 16:37 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551456LCSW4   | LCSW | 09/27/22 19:26 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551456LCSW7   | LCSW | 09/27/22 22:22 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551456LCSW10  | LCSW | 09/28/22 2:09  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L76078-07DUP    | DUP  | 09/28/22 3:54  |          |    | 6.1    | 5.7   | units |      |       |       | 7   | 20    |      |
| L76164-03DUP    | DUP  | 09/28/22 5:18  |          |    | 6.9    | 6.8   | units |      |       |       | 1   | 20    |      |
| WG551456LCSW13  | LCSW | 09/28/22 5:22  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| <b>WG551788</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG551788LCSW1   | LCSW | 10/01/22 12:44 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551788LCSW4   | LCSW | 10/01/22 15:13 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551788LCSW7   | LCSW | 10/01/22 17:32 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG551788LCSW10  | LCSW | 10/01/22 19:58 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L76188-02DUP    | DUP  | 10/01/22 21:47 |          |    | 7.1    | 7     | units |      |       |       | 1   | 20    |      |
| WG551788LCSW13  | LCSW | 10/01/22 23:27 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551710</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG551710ICV     | ICV  | 09/30/22 9:18  | WI220818-6 | .65228 |        | .609  | mg/L  | 93   | 90    | 110   |     |       |      |
| WG551710ICB     | ICB  | 09/30/22 9:20  |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| <b>WG551735</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG551627LRB     | LRB  | 09/30/22 12:39 |            |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG551627LFB     | LFB  | 09/30/22 12:41 | WI220917-2 | .5     |        | .47   | mg/L  | 94   | 90    | 110   |     |       |      |
| L76164-01LFM    | LFM  | 09/30/22 12:59 | WI220917-2 | .5     | U      | .484  | mg/L  | 97   | 90    | 110   |     |       |      |
| L76164-02DUP    | DUP  | 09/30/22 13:01 |            |        | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 20       |        | 18.9  | mg/L  | 95   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 99.95798 |        | 94.89 | mg/L  | 95   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 99.95798 | 24.1   | 119.5 | mg/L  | 95   | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 99.95798 | 24.1   | 119.5 | mg/L  | 95   | 85    | 115   | 0   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551341</b> |      |                |           |      |        |       |       |      |       |       |     |       |      |
| WG551341PBW     | PBW  | 09/26/22 11:15 |           |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG551341LCSW    | LCSW | 09/26/22 11:17 | PCN623297 | 1000 |        | 972   | mg/L  | 97   | 80    | 120   |     |       |      |
| L76130-01DUP    | DUP  | 09/26/22 11:54 |           |      | 448    | 452   | mg/L  |      |       |       | 1   | 10    |      |

**Residue, Non-Filterable (TSS) @105C**

SM2540D

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551326</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG551326PBW     | PBW  | 09/26/22 9:02  |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG551326LCSW    | LCSW | 09/26/22 9:04  | PCN623296 | 100 |        | 101   | mg/L  | 101  | 80    | 120   |     |       |      |
| L76164-04DUP    | DUP  | 09/26/22 10:02 |           |     | 5      | U     | mg/L  |      |       |       | 200 | 10    | RA   |
| <b>WG551366</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG551366PBW     | PBW  | 09/26/22 14:30 |           |     |        | U     | mg/L  |      | -5    | 5     |     |       |      |
| WG551366LCSW    | LCSW | 09/26/22 14:32 | PCN623296 | 100 |        | 102   | mg/L  | 102  | 80    | 120   |     |       |      |
| L76164-03DUP    | DUP  | 09/26/22 15:30 |           |     | U      | 8     | mg/L  |      |       |       | 200 | 10    | RA   |

**Selenium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05 |        | .04768 | mg/L  | 95   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | .00012 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05 |        | .0467  | mg/L  | 93   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05 | .00036 | .05622 | mg/L  | 112  | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05 | .00036 | .0506  | mg/L  | 100  | 70       | 130     | 11  | 20    |      |

**Silica, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 42.8   |        | 41.7  | mg/L  | 97   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 21.404 |        | 21.37 | mg/L  | 100  | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 21.404 | 5.6    | 27.36 | mg/L  | 102  | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 21.404 | 5.6    | 26.94 | mg/L  | 100  | 85    | 115   | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Silver, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .02 |        | .01878 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .01 |        | .00997 | mg/L  | 100  | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .01 | U      | .0098  | mg/L  | 98   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .01 | U      | .00892 | mg/L  | 89   | 70       | 130     | 9   | 20    |      |

**Silver, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551994</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551994ICV     | ICV  | 10/05/22 9:57  | MS220930-3 | .02 |        | .02137 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG551994ICB     | ICB  | 10/05/22 9:59  |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551994LFB     | LFB  | 10/05/22 10:01 | MS220822-2 | .01 |        | .0107  | mg/L  | 107  | 85       | 115     |     |       |      |
| WG551727PBW     | PBW  | 10/05/22 10:03 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L76242-02AS     | AS   | 10/05/22 10:11 | MS220822-2 | .01 | U      | .00908 | mg/L  | 91   | 70       | 130     |     |       |      |
| L76242-02ASD    | ASD  | 10/05/22 10:13 | MS220822-2 | .01 | U      | .00854 | mg/L  | 85   | 70       | 130     | 6   | 20    |      |
| WG551977PBW     | PBW  | 10/05/22 10:26 |            |     |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 100      |        | 94.7  | mg/L  | 95   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | 100.0023 |        | 93.6  | mg/L  | 94   | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | 100.0023 | 12.1   | 106.9 | mg/L  | 95   | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | 100.0023 | 12.1   | 106.4 | mg/L  | 94   | 85    | 115   | 0   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG551797</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG551797ICB     | ICB  | 10/03/22 12:53 |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG551797ICV     | ICV  | 10/03/22 12:53 | WI220930-2 | 19.54 |        | 19.8  | mg/L  | 101  | 90    | 110   |     |       |      |
| WG551797LFB     | LFB  | 10/03/22 14:28 | WI220830-3 | 10    |        | 9.7   | mg/L  | 97   | 90    | 110   |     |       |      |
| L76161-01AS     | AS   | 10/03/22 15:07 | SO4TURB5X  | 10    | 34.5   | 45.6  | mg/L  | 111  | 90    | 110   |     |       | M1   |
| L76044-03DUP    | DUP  | 10/03/22 15:54 |            |       | 822    | 819   | mg/L  |      |       |       | 0   | 20    |      |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05 |        | .04931 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05 |        | .04822 | mg/L  | 96   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05 | U      | .04963 | mg/L  | 99   | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05 | U      | .04684 | mg/L  | 94   | 70       | 130     | 6   | 20    |      |

**OURAYSM**

ACZ Project ID: **L76164**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG551657</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG551657ICV     | ICV  | 09/30/22 10:24 | MS220701-3 | .05 |        | .04713 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG551657ICB     | ICB  | 09/30/22 10:26 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG551657LFB     | LFB  | 09/30/22 10:28 | MS220822-2 | .05 |        | .04762 | mg/L  | 95   | 85       | 115     |     |       |      |
| L76164-02AS     | AS   | 09/30/22 11:29 | MS220822-2 | .05 | .00025 | .05277 | mg/L  | 105  | 70       | 130     |     |       |      |
| L76164-02ASD    | ASD  | 09/30/22 11:31 | MS220822-2 | .05 | .00025 | .04894 | mg/L  | 97   | 70       | 130     | 8   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2     |        | 1.98  | mg/L  | 99   | 95     | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .5005 |        | .4967 | mg/L  | 99   | 85     | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .5005 | U      | .5003 | mg/L  | 100  | 85     | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .5005 | U      | .494  | mg/L  | 99   | 85     | 115   | 1   | 20    |      |

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG552030</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG552030ICV     | ICV  | 10/05/22 19:31 | II220927-1 | 2      |        | 1.92  | mg/L  | 96   | 95    | 105   |     |       |      |
| WG552030ICB     | ICB  | 10/05/22 19:37 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG552030LFB     | LFB  | 10/05/22 19:50 | II220915-2 | .50045 |        | .508  | mg/L  | 102  | 85    | 115   |     |       |      |
| L76158-05AS     | AS   | 10/05/22 20:51 | II220915-2 | .50045 | U      | .525  | mg/L  | 105  | 85    | 115   |     |       |      |
| L76158-05ASD    | ASD  | 10/05/22 20:54 | II220915-2 | .50045 | U      | .518  | mg/L  | 104  | 85    | 115   | 1   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG553860</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG553860ICV     | ICV  | 10/28/22 20:35 | MS220930-3 | .05     |        | .0494 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG553860ICB     | ICB  | 10/28/22 20:37 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG553860LFB     | LFB  | 10/28/22 20:39 | MS221012-7 | .050075 |        | .0481 | mg/L  | 96   | 85      | 115    |     |       |      |
| WG553350PBW     | PBW  | 10/28/22 20:40 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG553855PBW     | PBW  | 10/28/22 20:46 |            |         |        | .0129 | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L76600-01AS     | AS   | 10/28/22 20:52 | MS221012-7 | .050075 | .0129  | .0603 | mg/L  | 95   | 70      | 130    |     |       |      |
| L76600-01ASD    | ASD  | 10/28/22 20:54 | MS221012-7 | .050075 | .0129  | .0582 | mg/L  | 90   | 70      | 130    | 4   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L76164**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                               | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L76164-01</b> | WG552030 | Calcium, dissolved                  | M200.7 ICP                           | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG551456 | Conductivity @25C                   | SM2510B                              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551734 | Cyanide, total                      | M335.4 - Colorimetric w/             | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|                  |          |                                     | M335.4 - Colorimetric w/             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551785 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551735 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest) | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551341 | Residue, Filterable (TDS) @180C     | SM2540C                              | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG551366 | Residue, Non-Filterable (TSS) @105C | SM2540D                              | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551797 | Sulfate                             | SM2540D                              | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
| <b>L76164-02</b> | WG551456 | Total Alkalinity                    | SM2320B - Titration                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG552030 | Calcium, dissolved                  | M200.7 ICP                           | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG551456 | Conductivity @25C                   | SM2510B                              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551734 | Cyanide, total                      | M335.4 - Colorimetric w/             | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|                  |          |                                     | M335.4 - Colorimetric w/             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551785 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551735 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest) | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551341 | Residue, Filterable (TDS) @180C     | SM2540C                              | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG551366 | Residue, Non-Filterable (TSS) @105C | SM2540D                              | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                              | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
| <b>L76164-03</b> | WG551797 | Sulfate                             | SM2540D                              | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC      | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
|                  | WG551456 | Total Alkalinity                    | SM2320B - Titration                  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |

**Ouray Silver Mines**

ACZ Project ID: **L76164**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                     | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|--------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L76164-03</b> | WG552030 | Calcium, dissolved                  | M200.7 ICP                                 | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  | WG551734 | Cyanide, total                      | M335.4 - Colorimetric w/                   | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|                  |          |                                     | M335.4 - Colorimetric w/                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551785 | Nitrate/Nitrite as N                | M353.2 - H2SO4 preserved                   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551735 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551341 | Residue, Filterable (TDS) @180C     | SM2540C                                    | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  | WG551366 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG551797 | Sulfate                             | D516-02/-07/-11 - TURBIDIMETRIC            | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                            |
| <b>L76164-04</b> | WG551559 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/ distillation | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  |          |                                     | SM4500-CN I,E-Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG551326 | Residue, Non-Filterable (TSS) @105C | SM2540D                                    | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM2540D                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                    | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |



**Ouray Silver Mines**

ACZ Project ID: **L76164**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L76164

Date Received: 09/23/2022 12:49

Received By:

Date Printed: 9/26/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Some parameters were received past hold time.

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| 7221      | 4.3       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L76164

Date Received: 09/23/2022 12:49

Received By:

Date Printed: 9/26/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



January 25, 2023

Report to:

Todd Jesse  
Ouray Silver Mines  
1900 Main St.  
Unit 1  
Ouray, CO 81427

Bill to:

Accounts Payable  
Ouray Silver Mines  
1900 Main St  
PO Box 564  
Ouray, CO 81427

cc: Accounts Payable

Project ID:

ACZ Project ID: L77831

Todd Jesse:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on December 14, 2022. This project has been assigned to ACZ's project number, L77831. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L77831. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after February 24, 2023. If the samples are determined to be hazardous, additional charges apply for disposal (typically \$11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

*Mark McNeal*

Mark McNeal has reviewed  
and approved this report.



Ouray Silver Mines

January 25, 2023

Project ID:

ACZ Project ID: L77831

#### Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 7 miscellaneous samples from Ouray Silver Mines on December 14, 2022. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L77831. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

#### Holding Times

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

#### Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The below is from WG557138

Qualifier: H1

Applies to: L77831-02/TOTAL DISSOLVED SOLIDS

L77831-04/TOTAL DISSOLVED SOLIDS

L77831-05/TOTAL DISSOLVED SOLIDS

L77831-06/TOTAL DISSOLVED SOLIDS

L77831-07/TOTAL DISSOLVED SOLIDS

Sample prep or analysis performed past holding time. Sample received within hold. Login/login review past hold. Ran as soon as possible.

2. The below is from WG557202

Qualifier: H1

Applies to: L77831-01/TOTAL SUSPENDED SOLIDS

L77831-04/TOTAL SUSPENDED SOLIDS

L77831-05/TOTAL SUSPENDED SOLIDS

L77831-06/TOTAL SUSPENDED SOLIDS

L77831-07/TOTAL SUSPENDED SOLIDS

Sample prep or analysis performed past holding time. Sample received within hold. Login/Login Review past hold. Ran as soon as possible.

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L77831-01**

Date Sampled: 12/13/22 09:58

Date Received: 12/14/22

Sample Matrix: *Waste Water*

## Inorganic Prep

| Parameter                                     | EPA Method                             | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------------------------|----------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Acidify and filter<br>(Potentially Dissolved) | Colorado 5 CCR 1002-<br>31.5.31 (2009) |          |        |      |    |       |     |     | 12/30/22 13:43 | gjl     |
| Cyanide, WAD                                  | SM4500-CN I- distillation              |          |        |      |    |       |     |     | 12/22/22 12:45 | wgm     |
| Total Hot Plate<br>Digestion                  | M200.2 ICP-MS                          |          |        |      |    |       |     |     | 12/22/22 15:48 | kja     |
| Total Recoverable<br>Digestion                | M200.2 ICP                             |          |        |      |    |       |     |     | 01/06/23 19:55 | aeh     |

## Metals Analysis

| Parameter                           | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-------------------------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Cadmium, potentially<br>dissolved   | M200.8 ICP-MS | 1        | 0.000250 |      |    | mg/L  | 0.00005 | 0.00025 | 01/04/23 19:54 | kja     |
| Copper, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0008  | U    |    | mg/L  | 0.0008  | 0.002   | 01/04/23 19:54 | kja     |
| Iron, total recoverable             | M200.7 ICP    | 1        | 0.099    | B    |    | mg/L  | 0.06    | 0.15    | 01/10/23 21:59 | aeh     |
| Lead, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.00121  |      |    | mg/L  | 0.0001  | 0.0005  | 01/04/23 19:54 | kja     |
| Lead, total                         | M200.8 ICP-MS | 1        | 0.00270  |      |    | mg/L  | 0.0001  | 0.0005  | 12/28/22 18:48 | kja     |
| Manganese,<br>potentially dissolved | M200.8 ICP-MS | 1        | 0.261    |      |    | mg/L  | 0.0004  | 0.002   | 01/04/23 19:54 | kja     |
| Mercury, total                      | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 12/22/22 12:36 | mlh     |
| Silver, potentially<br>dissolved    | M200.8 ICP-MS | 1        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005  | 01/04/23 19:54 | kja     |
| Zinc, potentially<br>dissolved      | M200.8 ICP-MS | 1        | 0.131    |      |    | mg/L  | 0.006   | 0.015   | 01/04/23 19:54 | kja     |

## Wet Chemistry

| Parameter                                  | EPA Method                                     | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|--------------------------------------------|------------------------------------------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Cyanide, WAD                               | SM4500-CN I,E-<br>Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L  | 0.003 | 0.01 | 12/22/22 14:39 | bls     |
| pH (lab)                                   | SM4500H+ B                                     |          |        |      |    |       |       |      |                |         |
| pH                                         |                                                | 1        | 8.0    | H    |    | units | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                             |                                                | 1        | 22.1   |      |    | C     | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Residue, Non-<br>Filterable (TSS)<br>@105C | SM2540D                                        | 1        | <5     | UH   | *  | mg/L  | 5     | 20   | 12/21/22 21:07 | jck     |

**Ouray Silver Mines**

Project ID:

Sample ID: OF002A

ACZ Sample ID: **L77831-02**

Date Sampled: 12/13/22 09:58

Date Received: 12/14/22

Sample Matrix: *Waste Water*

**Inorganic Prep**

| Parameter                   | EPA Method    | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|---------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Total Hot Plate Digestion   | M200.2 ICP-MS |          |        |      |    |       |     |     | 12/22/22 16:00 | kja     |
| Total Recoverable Digestion | M200.2 ICP-MS |          |        |      |    |       |     |     | 12/22/22 16:00 | kja     |

**Metals Analysis**

| Parameter                             | EPA Method                                   | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|---------------------------------------|----------------------------------------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Arsenic, total recoverable            | M200.8 ICP-MS                                | 1        | 0.00097  | B    |    | mg/L  | 0.0002  | 0.001   | 12/26/22 16:14 | kja     |
| Cadmium, total                        | M200.8 ICP-MS                                | 1        | 0.000307 |      |    | mg/L  | 0.00005 | 0.00025 | 12/28/22 18:50 | kja     |
| Chromium, total recoverable           | M200.8 ICP-MS                                | 1        | <0.0005  | U    |    | mg/L  | 0.0005  | 0.002   | 12/26/22 16:14 | kja     |
| Chromium, Trivalent Total Recoverable | Calculation (Total Recoverable - Hexavalent) |          | <0.005   | U    |    | mg/L  | 0.005   | 0.02    | 01/25/23 0:00  | calc    |
| Copper, total                         | M200.8 ICP-MS                                | 1        | 0.00189  | B    |    | mg/L  | 0.0008  | 0.002   | 01/03/23 12:21 | kja     |
| Mercury, total                        | M1631E, Atomic Fluorescence                  | 1        | 0.41     | B    |    | ng/L  | 0.3     | 1       | 01/04/23 10:19 | mlh     |
| Zinc, total                           | M200.8 ICP-MS                                | 1        | 0.152    |      |    | mg/L  | 0.006   | 0.015   | 12/28/22 18:50 | kja     |

**Wet Chemistry**

| Parameter                       | EPA Method | Dilution | Result | Qual | XQ | Units | MDL   | PQL  | Date           | Analyst |
|---------------------------------|------------|----------|--------|------|----|-------|-------|------|----------------|---------|
| Dissolved Chromium, Hexavalent  | SM3500Cr-B | 1        | <0.005 | UH   | *  | mg/L  | 0.005 | 0.02 | 12/21/22 14:22 | svm     |
| Residue, Filterable (TDS) @180C | SM2540C    | 1        | 268    | H    | *  | mg/L  | 20    | 40   | 12/21/22 11:50 | emk     |



**Ouray Silver Mines**

Project ID:

Sample ID: HG TRIP BLANK

ACZ Sample ID: **L77831-03**

Date Sampled: 12/13/22 10:28

Date Received: 12/14/22

Sample Matrix: *Waste Water*

Metals Analysis

| Parameter      | EPA Method                  | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|----------------|-----------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Mercury, total | M1631E, Atomic Fluorescence | 1        | <0.3   | U    |    | ng/L  | 0.3 | 1   | 01/04/23 10:24 | mlh     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L77831-04**

Date Sampled: 12/12/22 09:18

Date Received: 12/14/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/21/22 16:49 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/08/23 19:05 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL    | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|--------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25   | 01/10/23 21:51 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 2        | 0.00085  | B    |    | mg/L  | 0.0008  | 0.004  | 01/05/23 12:15 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 2        | 0.00216  |      |    | mg/L  | 0.0004  | 0.002  | 01/05/23 12:15 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0284   | B    |    | mg/L  | 0.009   | 0.035  | 01/10/23 21:51 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 2        | <0.00016 | U    | *  | mg/L  | 0.00016 | 0.0005 | 01/05/23 12:15 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1    | 01/11/23 17:13 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 2        | 0.00174  |      |    | mg/L  | 0.0001  | 0.0005 | 01/05/23 12:15 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 60.9     |      |    | mg/L  | 0.1     | 0.5    | 01/10/23 21:51 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 2        | <0.001   | U    |    | mg/L  | 0.001   | 0.004  | 01/05/23 12:15 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 2        | <0.0016  | U    |    | mg/L  | 0.0016  | 0.004  | 01/05/23 12:15 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15   | 01/10/23 21:51 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 2        | 0.00059  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.56     |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:51 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | 2.05     |      |    | mg/L  | 0.01    | 0.05   | 01/10/23 21:51 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 12/22/22 12:09 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 2        | 0.00460  |      |    | mg/L  | 0.0004  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04   | 01/10/23 21:51 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.58     | B    |    | mg/L  | 0.2     | 1      | 01/10/23 21:51 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 2        | 0.00046  | B    |    | mg/L  | 0.0002  | 0.0005 | 01/05/23 12:15 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.1      |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:51 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 7.63     |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:51 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 2        | 0.00032  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:15 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025  | 01/10/23 21:51 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.578    |      |    | mg/L  | 0.02    | 0.05   | 01/10/23 21:51 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-5

ACZ Sample ID: **L77831-04**

Date Sampled: 12/12/22 09:18

Date Received: 12/14/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 59.1   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 59.1   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -2.6   |      |    | %        |       |      | 01/25/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | 4      |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | 3.8    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 8.45   |      | *  | mg/L     | 1     | 2    | 12/28/22 14:29 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 381    |      |    | umhos/cm | 1     | 10   | 12/22/22 12:55 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 12/22/22 11:07 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.26   | B    |    | mg/L     | 0.15  | 0.35 | 12/30/22 18:29 | jck     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 163    |      |    | mg/L     | 0.2   | 5    | 01/25/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.160  |      |    | mg/L     | 0.02  | 0.1  | 12/23/22 1:39  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.9    | H    |    | units    | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.1   |      |    | C        | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | UH   | *  | mg/L     | 0.01  | 0.05 | 01/24/23 11:41 | mrdr    |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 254    | H    | *  | mg/L     | 20    | 40   | 12/21/22 11:52 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 12/21/22 21:10 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 122    |      | *  | mg/L     | 5     | 25   | 12/30/22 17:25 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 251    |      |    | mg/L     |       |      | 01/25/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.01   |      |    |          |       |      | 01/25/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L77831-05**

Date Sampled: 12/12/22 09:57

Date Received: 12/14/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/21/22 17:06 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/08/23 19:11 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL    | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|--------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25   | 01/10/23 21:54 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 2        | 0.00148  | B    |    | mg/L  | 0.0008  | 0.004  | 01/05/23 12:22 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 2        | 0.00266  |      |    | mg/L  | 0.0004  | 0.002  | 01/05/23 12:22 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0312   | B    |    | mg/L  | 0.009   | 0.035  | 01/10/23 21:54 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 2        | <0.00016 | U    | *  | mg/L  | 0.00016 | 0.0005 | 01/05/23 12:22 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1    | 01/11/23 17:28 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 2        | 0.00262  |      |    | mg/L  | 0.0001  | 0.0005 | 01/05/23 12:22 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 62.9     |      |    | mg/L  | 0.1     | 0.5    | 01/10/23 21:54 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 2        | <0.001   | U    |    | mg/L  | 0.001   | 0.004  | 01/05/23 12:22 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 2        | <0.0016  | U    |    | mg/L  | 0.0016  | 0.004  | 01/05/23 12:22 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15   | 01/10/23 21:54 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 2.56     |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:54 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | 3.15     |      |    | mg/L  | 0.01    | 0.05   | 01/10/23 21:54 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 12/22/22 12:10 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 2        | 0.00287  |      |    | mg/L  | 0.0004  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04   | 01/10/23 21:54 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.52     | B    |    | mg/L  | 0.2     | 1      | 01/10/23 21:54 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 2        | 0.00057  |      |    | mg/L  | 0.0002  | 0.0005 | 01/05/23 12:22 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 7.8      |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:54 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 7.61     |      |    | mg/L  | 0.2     | 1      | 01/10/23 21:54 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 2        | 0.00038  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:22 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025  | 01/10/23 21:54 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 0.833    |      |    | mg/L  | 0.02    | 0.05   | 01/10/23 21:54 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-2

ACZ Sample ID: **L77831-05**

Date Sampled: 12/12/22 09:57

Date Received: 12/14/22

Sample Matrix: Groundwater

## Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 53.0   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 53.0   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 1.3    |      |    | %        |       |      | 01/25/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | 3.9    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | 4      |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.80   | B    | *  | mg/L     | 1     | 2    | 12/28/22 14:30 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 394    |      |    | umhos/cm | 1     | 10   | 12/22/22 13:04 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 12/22/22 11:09 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.24   | B    |    | mg/L     | 0.15  | 0.35 | 12/30/22 18:33 | jck     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 168    |      |    | mg/L     | 0.2   | 5    | 01/25/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.165  |      |    | mg/L     | 0.02  | 0.1  | 12/23/22 1:40  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.0    | H    |    | units    | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.2   |      |    | C        | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | UH   | *  | mg/L     | 0.01  | 0.05 | 01/24/23 11:45 | mrdr    |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 270    | H    | *  | mg/L     | 20    | 40   | 12/21/22 11:54 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 12/21/22 21:12 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 133    |      | *  | mg/L     | 5     | 25   | 12/30/22 17:25 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 255    |      |    | mg/L     |       |      | 01/25/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.06   |      |    |          |       |      | 01/25/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L77831-06**

Date Sampled: 12/12/22 10:32

Date Received: 12/14/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/21/22 17:14 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/08/23 19:17 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL     | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|---------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25    | 01/10/23 21:57 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 2        | 0.00134  | B    |    | mg/L  | 0.0008  | 0.004   | 01/05/23 12:24 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 2        | 0.00499  |      |    | mg/L  | 0.0004  | 0.002   | 01/05/23 12:24 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0277   | B    |    | mg/L  | 0.009   | 0.035   | 01/10/23 21:57 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 1        | 0.000154 | B    |    | mg/L  | 0.00008 | 0.00025 | 01/18/23 13:56 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | <0.03    | U    |    | mg/L  | 0.03    | 0.1     | 01/11/23 17:31 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 2        | 0.0105   |      |    | mg/L  | 0.0001  | 0.0005  | 01/05/23 12:24 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 73.9     |      |    | mg/L  | 0.1     | 0.5     | 01/10/23 21:57 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 2        | <0.001   | U    |    | mg/L  | 0.001   | 0.004   | 01/05/23 12:24 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 2        | <0.0016  | U    |    | mg/L  | 0.0016  | 0.004   | 01/05/23 12:24 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | 0.119    | B    |    | mg/L  | 0.06    | 0.15    | 01/10/23 21:57 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 2        | 0.00054  | B    |    | mg/L  | 0.0002  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 5.00     |      |    | mg/L  | 0.2     | 1       | 01/10/23 21:57 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | 14.6     |      |    | mg/L  | 0.01    | 0.05    | 01/10/23 21:57 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 12/22/22 12:11 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 2        | 0.00531  |      |    | mg/L  | 0.0004  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04    | 01/10/23 21:57 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.82     | B    |    | mg/L  | 0.2     | 1       | 01/10/23 21:57 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 2        | 0.00033  | B    |    | mg/L  | 0.0002  | 0.0005  | 01/05/23 12:24 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.7      |      |    | mg/L  | 0.2     | 1       | 01/10/23 21:57 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 13.7     |      |    | mg/L  | 0.2     | 1       | 01/10/23 21:57 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 2        | 0.00064  | B    |    | mg/L  | 0.0002  | 0.001   | 01/05/23 12:24 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025   | 01/10/23 21:57 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | 3.43     |      |    | mg/L  | 0.02    | 0.05    | 01/10/23 21:57 | aeH     |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-8

ACZ Sample ID: **L77831-06**

Date Sampled: 12/12/22 10:32

Date Received: 12/14/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 63.4   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 63.4   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | 5.4    |      |    | %        |       |      | 01/25/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | 5.3    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | 5.9    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.79   | B    | *  | mg/L     | 1     | 2    | 12/28/22 14:31 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 526    |      |    | umhos/cm | 1     | 10   | 12/22/22 13:13 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 12/22/22 11:09 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.47   |      |    | mg/L     | 0.15  | 0.35 | 12/30/22 18:38 | jck     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 205    |      |    | mg/L     | 0.2   | 5    | 01/25/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.121  |      |    | mg/L     | 0.02  | 0.1  | 12/23/22 1:42  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 6.9    | H    |    | units    | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.3   |      |    | C        | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | 0.024  | BH   | *  | mg/L     | 0.01  | 0.05 | 01/24/23 11:46 | mrdr    |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 374    | H    | *  | mg/L     | 20    | 40   | 12/21/22 11:55 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | 11.0   | BH   | *  | mg/L     | 5     | 20   | 12/21/22 21:15 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 186    |      | *  | mg/L     | 5     | 25   | 12/30/22 17:23 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 350    |      |    | mg/L     |       |      | 01/25/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.07   |      |    |          |       |      | 01/25/23 0:00  | calc    |

**Ouray Silver Mines**

Project ID:

Sample ID: UG-4

ACZ Sample ID: **L77831-07**

Date Sampled: 12/12/22 10:53

Date Received: 12/14/22

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter         | EPA Method                               | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-------------------|------------------------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Cyanide, total    | M335.4 - Manual Distillation             |          |        |      |    |       |     |     | 12/21/22 17:31 | wgm     |
| Phosphorus, total | M365.1 - Auto Ascorbic<br>Acid Digestion |          |        |      |    |       |     |     | 01/08/23 19:23 | dfb     |

## Metals Analysis

| Parameter             | EPA Method    | Dilution | Result   | Qual | XQ | Units | MDL     | PQL    | Date           | Analyst |
|-----------------------|---------------|----------|----------|------|----|-------|---------|--------|----------------|---------|
| Aluminum, dissolved   | M200.7 ICP    | 1        | <0.05    | U    |    | mg/L  | 0.05    | 0.25   | 01/10/23 22:00 | aeH     |
| Antimony, dissolved   | M200.8 ICP-MS | 2        | 0.00174  | B    |    | mg/L  | 0.0008  | 0.004  | 01/05/23 12:27 | gjl/scp |
| Arsenic, dissolved    | M200.8 ICP-MS | 2        | 0.0109   |      |    | mg/L  | 0.0004  | 0.002  | 01/05/23 12:27 | gjl/scp |
| Barium, dissolved     | M200.7 ICP    | 1        | 0.0283   | B    |    | mg/L  | 0.009   | 0.035  | 01/10/23 22:00 | aeH     |
| Beryllium, dissolved  | M200.8 ICP-MS | 2        | <0.00016 | U    | *  | mg/L  | 0.00016 | 0.0005 | 01/05/23 12:27 | gjl/scp |
| Boron, dissolved      | M200.7 ICP    | 1        | 0.033    | B    |    | mg/L  | 0.03    | 0.1    | 01/11/23 17:34 | aeH     |
| Cadmium, dissolved    | M200.8 ICP-MS | 2        | <0.0001  | U    |    | mg/L  | 0.0001  | 0.0005 | 01/05/23 12:27 | gjl/scp |
| Calcium, dissolved    | M200.7 ICP    | 1        | 68.1     |      |    | mg/L  | 0.1     | 0.5    | 01/10/23 22:00 | aeH     |
| Chromium, dissolved   | M200.8 ICP-MS | 2        | <0.001   | U    |    | mg/L  | 0.001   | 0.004  | 01/05/23 12:27 | gjl/scp |
| Copper, dissolved     | M200.8 ICP-MS | 2        | <0.0016  | U    |    | mg/L  | 0.0016  | 0.004  | 01/05/23 12:27 | gjl/scp |
| Iron, dissolved       | M200.7 ICP    | 1        | <0.06    | U    |    | mg/L  | 0.06    | 0.15   | 01/10/23 22:00 | aeH     |
| Lead, dissolved       | M200.8 ICP-MS | 2        | 0.00038  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Magnesium, dissolved  | M200.7 ICP    | 1        | 3.20     |      |    | mg/L  | 0.2     | 1      | 01/10/23 22:00 | aeH     |
| Manganese, dissolved  | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.05   | 01/10/23 22:00 | aeH     |
| Mercury, dissolved    | M245.1 CVAA   | 1        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 12/22/22 12:12 | mlh     |
| Molybdenum, dissolved | M200.8 ICP-MS | 2        | 0.00816  |      |    | mg/L  | 0.0004  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Nickel, dissolved     | M200.7 ICP    | 1        | <0.008   | U    |    | mg/L  | 0.008   | 0.04   | 01/10/23 22:00 | aeH     |
| Potassium, dissolved  | M200.7 ICP    | 1        | 0.65     | B    |    | mg/L  | 0.2     | 1      | 01/10/23 22:00 | aeH     |
| Selenium, dissolved   | M200.8 ICP-MS | 2        | 0.00046  | B    |    | mg/L  | 0.0002  | 0.0005 | 01/05/23 12:27 | gjl/scp |
| Silica, dissolved     | M200.7 ICP    | 1        | 8.2      |      |    | mg/L  | 0.2     | 1      | 01/10/23 22:00 | aeH     |
| Silver, dissolved     | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Sodium, dissolved     | M200.7 ICP    | 1        | 13.6     |      |    | mg/L  | 0.2     | 1      | 01/10/23 22:00 | aeH     |
| Thallium, dissolved   | M200.8 ICP-MS | 2        | <0.0002  | U    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Uranium, dissolved    | M200.8 ICP-MS | 2        | 0.00100  | B    |    | mg/L  | 0.0002  | 0.001  | 01/05/23 12:27 | gjl/scp |
| Vanadium, dissolved   | M200.7 ICP    | 1        | <0.01    | U    |    | mg/L  | 0.01    | 0.025  | 01/10/23 22:00 | aeH     |
| Zinc, dissolved       | M200.7 ICP    | 1        | <0.02    | U    |    | mg/L  | 0.02    | 0.05   | 01/10/23 22:00 | aeH     |



**Ouray Silver Mines**

Project ID:

Sample ID: UG-4

ACZ Sample ID: **L77831-07**

Date Sampled: 12/12/22 10:53

Date Received: 12/14/22

Sample Matrix: Groundwater

Wet Chemistry

| Parameter                                 | EPA Method                            | Dilution | Result | Qual | XQ | Units    | MDL   | PQL  | Date           | Analyst |
|-------------------------------------------|---------------------------------------|----------|--------|------|----|----------|-------|------|----------------|---------|
| Alkalinity as CaCO <sub>3</sub>           | SM2320B - Titration                   |          |        |      |    |          |       |      |                |         |
| Bicarbonate as CaCO <sub>3</sub>          |                                       | 1        | 92.9   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Carbonate as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Hydroxide as CaCO <sub>3</sub>            |                                       | 1        | <2     | U    |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Total Alkalinity                          |                                       | 1        | 92.9   |      |    | mg/L     | 2     | 20   | 12/22/22 0:00  | jck     |
| Cation-Anion Balance                      | Calculation                           |          |        |      |    |          |       |      |                |         |
| Cation-Anion Balance                      |                                       |          | -3.4   |      |    | %        |       |      | 01/25/23 0:00  | calc    |
| Sum of Anions                             |                                       |          | 4.6    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Sum of Cations                            |                                       |          | 4.3    |      |    | meq/L    |       |      | 01/25/23 0:00  | calc    |
| Chloride                                  | SM4500Cl-E                            | 1        | 1.96   | B    | *  | mg/L     | 1     | 2    | 12/28/22 14:31 | bls     |
| Conductivity @25C                         | SM2510B                               | 1        | 429    |      |    | umhos/cm | 1     | 10   | 12/22/22 13:23 | jck     |
| Cyanide, total                            | M335.4 - Colorimetric w/ distillation | 0.5      | <0.003 | U    | *  | mg/L     | 0.003 | 0.01 | 12/22/22 11:11 | bls     |
| Fluoride                                  | SM4500F-C                             | 1        | 0.40   |      |    | mg/L     | 0.15  | 0.35 | 12/30/22 18:42 | jck     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                 |          | 183    |      |    | mg/L     | 0.2   | 5    | 01/25/23 0:00  | calc    |
| Nitrate/Nitrite as N                      | M353.2 - H2SO4 preserved              | 1        | 0.200  |      |    | mg/L     | 0.02  | 0.1  | 12/23/22 1:43  | pjb     |
| pH (lab)                                  | SM4500H+ B                            |          |        |      |    |          |       |      |                |         |
| pH                                        |                                       | 1        | 7.3    | H    |    | units    | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| pH measured at                            |                                       | 1        | 22.3   |      |    | C        | 0.1   | 0.1  | 12/22/22 0:00  | jck     |
| Phosphorus, total                         | M365.1 - Auto Ascorbic Acid (digest)  | 1        | <0.01  | UH   | *  | mg/L     | 0.01  | 0.05 | 01/24/23 11:47 | mrdr    |
| Residue, Filterable (TDS) @180C           | SM2540C                               | 1        | 288    | H    | *  | mg/L     | 20    | 40   | 12/21/22 11:57 | emk     |
| Residue, Non-Filterable (TSS) @105C       | SM2540D                               | 1        | <5     | UH   | *  | mg/L     | 5     | 20   | 12/21/22 21:17 | jck     |
| Sulfate                                   | D516-02/-07/-11 - TURBIDIMETRIC       | 5        | 127    |      | *  | mg/L     | 5     | 25   | 12/30/22 17:25 | gkk     |
| TDS (calculated)                          | Calculation                           |          | 282    |      |    | mg/L     |       |      | 01/25/23 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                           |          | 1.02   |      |    |          |       |      | 01/25/23 0:00  | calc    |

**Report Header Explanations**

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Batch</i>   | A distinct set of samples analyzed at a specific time                                                                                                          |
| <i>Found</i>   | Value of the QC Type of interest                                                                                                                               |
| <i>Limit</i>   | Upper limit for RPD, in %.                                                                                                                                     |
| <i>Lower</i>   | Lower Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5).<br>Allows for instrument and annual fluctuations. |
| <i>PCN/SCN</i> | A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis                                                                 |
| <i>PQL</i>     | Practical Quantitation Limit. Synonymous with the EPA term "minimum level".                                                                                    |
| <i>QC</i>      | True Value of the Control Sample or the amount added to the Spike                                                                                              |
| <i>Rec</i>     | Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)                                                                               |
| <i>RPD</i>     | Relative Percent Difference, calculation used for Duplicate QC Types                                                                                           |
| <i>Upper</i>   | Upper Recovery Limit, in % (except for LCSS, mg/Kg)                                                                                                            |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                                |

**QC Sample Types**

|              |                                                        |              |                                              |
|--------------|--------------------------------------------------------|--------------|----------------------------------------------|
| <i>AS</i>    | Analytical Spike (Post Digestion)                      | <i>LCSWD</i> | Laboratory Control Sample - Water Duplicate  |
| <i>ASD</i>   | Analytical Spike (Post Digestion) Duplicate            | <i>LFB</i>   | Laboratory Fortified Blank                   |
| <i>CCB</i>   | Continuing Calibration Blank                           | <i>LFM</i>   | Laboratory Fortified Matrix                  |
| <i>CCV</i>   | Continuing Calibration Verification standard           | <i>LFMD</i>  | Laboratory Fortified Matrix Duplicate        |
| <i>DUP</i>   | Sample Duplicate                                       | <i>LRB</i>   | Laboratory Reagent Blank                     |
| <i>ICB</i>   | Initial Calibration Blank                              | <i>MS</i>    | Matrix Spike                                 |
| <i>ICV</i>   | Initial Calibration Verification standard              | <i>MSD</i>   | Matrix Spike Duplicate                       |
| <i>ICSAB</i> | Inter-element Correction Standard - A plus B solutions | <i>PBS</i>   | Prep Blank - Soil                            |
| <i>LCSS</i>  | Laboratory Control Sample - Soil                       | <i>PBW</i>   | Prep Blank - Water                           |
| <i>LCSSD</i> | Laboratory Control Sample - Soil Duplicate             | <i>PQV</i>   | Practical Quantitation Verification standard |
| <i>LCSW</i>  | Laboratory Control Sample - Water                      | <i>SDL</i>   | Serial Dilution                              |

**QC Sample Type Explanations**

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| Blanks                  | Verifies that there is no or minimal contamination in the prep method or calibration procedure. |
| Control Samples         | Verifies the accuracy of the method, including the prep procedure.                              |
| Duplicates              | Verifies the precision of the instrument and/or method.                                         |
| Spikes/Fortified Matrix | Determines sample matrix interferences, if any.                                                 |
| Standard                | Verifies the validity of the calibration.                                                       |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| L | Target analyte response was below the laboratory defined negative threshold.                                                                                                                |
| U | The material was analyzed for, but was not detected above the level of the associated value.<br>The associated value is either the sample quantitation limit or the sample detection limit. |

**Method References**

|     |                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------|
| (1) | EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.                               |
| (2) | EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993. |
| (3) | EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.   |
| (4) | EPA SW-846. Test Methods for Evaluating Solid Waste.                                                           |
| (5) | Standard Methods for the Examination of Water and Wastewater.                                                  |

**Comments**

|     |                                                                                                                                    |
|-----|------------------------------------------------------------------------------------------------------------------------------------|
| (1) | QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.                 |
| (2) | Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.                                        |
| (3) | Animal matrices for Inorganic analyses are reported on an "as received" basis.                                                     |
| (4) | An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result. |
| (5) | If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.                                            |

For a complete list of ACZ's Extended Qualifiers, please click:

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Alkalinity as CaCO3**

SM2320B - Titration

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557164</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG557164PBW1    | PBW  | 12/21/22 19:40 |            |          |        | 2.2   | mg/L  |      | -20   | 20    |     |       |      |
| WG557164LCSW3   | LCSW | 12/21/22 20:02 | WC221219-8 | 820.0001 |        | 822.2 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG557164LCSW6   | LCSW | 12/21/22 23:34 | WC221219-8 | 820.0001 |        | 822.9 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG557164PBW2    | PBW  | 12/21/22 23:42 |            |          |        | 7     | mg/L  |      | -20   | 20    |     |       |      |
| WG557164LCSW12  | LCSW | 12/22/22 7:49  | WC221219-8 | 820.0001 |        | 813.1 | mg/L  | 99   | 90    | 110   |     |       |      |
| WG557164PBW4    | PBW  | 12/22/22 7:58  |            |          |        | 7.5   | mg/L  |      | -20   | 20    |     |       |      |
| WG557164LCSW15  | LCSW | 12/22/22 12:03 | WC221219-8 | 820.0001 |        | 834.5 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG557164PBW5    | PBW  | 12/22/22 12:12 |            |          |        | 7.4   | mg/L  |      | -20   | 20    |     |       |      |
| L77831-07DUP    | DUP  | 12/22/22 13:32 |            |          | 92.9   | 78.5  | mg/L  |      |       |       | 17  | 20    |      |
| WG557164LCSW18  | LCSW | 12/22/22 13:53 | WC221219-8 | 820.0001 |        | 812.7 | mg/L  | 99   | 90    | 110   |     |       |      |

**Aluminum, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2      |        | 2.07  | mg/L  | 104  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 1.0008 |        | 1.072 | mg/L  | 107  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 1.0008 | .257   | 1.306 | mg/L  | 105  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 1.0008 | .257   | 1.312 | mg/L  | 105  | 85    | 115   | 0   | 20    |      |

**Antimony, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .0201 |        | .02037 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |       |        | .00083 | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .01   |        | .00986 | mg/L  | 99   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .02   | .00085 | .02029 | mg/L  | 97   | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .02   | .00085 | .02117 | mg/L  | 102  | 70       | 130     | 4   | 20    |      |

**Arsenic, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05   |        | .05038 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |       |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .0501 |        | .04679 | mg/L  | 93   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1002 | .00216 | .1067  | mg/L  | 104  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1002 | .00216 | .10276 | mg/L  | 100  | 70       | 130     | 4   | 20    |      |

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557318</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557318ICV     | ICV  | 12/26/22 15:18 | MS220930-3 | .05   |        | .04902 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG557318ICB     | ICB  | 12/26/22 15:19 |            |       |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG557218LRB     | LRB  | 12/26/22 15:21 |            |       |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557218LFB     | LFB  | 12/26/22 15:23 | MS221207-2 | .0501 |        | .04922 | mg/L  | 98   | 85       | 115     |     |       |      |
| L77714-01LFM    | LFM  | 12/26/22 16:09 | MS221207-2 | .0501 | .00088 | .04947 | mg/L  | 97   | 70       | 130     |     |       |      |
| L77714-01LFMD   | LFMD | 12/26/22 16:11 | MS221207-2 | .0501 | .00088 | .04816 | mg/L  | 94   | 70       | 130     | 3   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Barium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |      |        |       |       |      |        |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2    |        | 2.044 | mg/L  | 102  | 95     | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |      |        | U     | mg/L  |      | -0.027 | 0.027 |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .502 |        | .5128 | mg/L  | 102  | 85     | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .502 | .033   | .5349 | mg/L  | 100  | 85     | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .502 | .033   | .5307 | mg/L  | 99   | 85     | 115   | 1   | 20    |      |

**Beryllium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower     | Upper    | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|-----------|----------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |         |       |      |           |          |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05    |        | .051474 | mg/L  | 103  | 90        | 110      |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | U       | mg/L  |      | -0.000176 | 0.000176 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05005 |        | .048219 | mg/L  | 96   | 85        | 115      |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1001  | U      | .11107  | mg/L  | 111  | 70        | 130      |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1001  | U      | .10974  | mg/L  | 110  | 70        | 130      | 1   | 20    |      |

**WG558703**

|              |     |                |            |        |   |         |      |     |           |          |   |    |  |
|--------------|-----|----------------|------------|--------|---|---------|------|-----|-----------|----------|---|----|--|
| WG558703ICV  | ICV | 01/18/23 13:31 | MS221228-3 | .05    |   | .053057 | mg/L | 106 | 90        | 110      |   |    |  |
| WG558703ICB  | ICB | 01/18/23 13:33 |            |        |   | U       | mg/L |     | -0.000176 | 0.000176 |   |    |  |
| WG558703LFB  | LFB | 01/18/23 13:35 | MS230110-5 | .05005 |   | .05024  | mg/L | 100 | 85        | 115      |   |    |  |
| L77808-06AS  | AS  | 01/18/23 13:42 | MS230110-5 | .5005  | U | .4719   | mg/L | 94  | 70        | 130      |   |    |  |
| L77808-06ASD | ASD | 01/18/23 13:44 | MS230110-5 | .5005  | U | .48067  | mg/L | 96  | 70        | 130      | 2 | 20 |  |

**Boron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558234</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG558234ICV     | ICV  | 01/11/23 15:51 | II230106-2 | 2     |        | 2.043 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG558234ICB     | ICB  | 01/11/23 15:57 |            |       |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG558234LFB     | LFB  | 01/11/23 16:09 | II230103-5 | .5005 |        | .511  | mg/L  | 102  | 85    | 115   |     |       |      |
| L77831-04AS     | AS   | 01/11/23 17:22 | II230103-5 | .5005 | U      | .507  | mg/L  | 101  | 85    | 115   |     |       |      |
| L77831-04ASD    | ASD  | 01/11/23 17:25 | II230103-5 | .5005 | U      | .513  | mg/L  | 102  | 85    | 115   | 1   | 20    |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05    |        | .051117 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05005 |        | .047135 | mg/L  | 94   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1001  | .00174 | .109118 | mg/L  | 107  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1001  | .00174 | .108395 | mg/L  | 107  | 70       | 130     | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cadmium, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05    |        | .050497 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .05005 |        | .050614 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .05005 | U      | .05088  | mg/L  | 102  | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .05005 | U      | .050283 | mg/L  | 100  | 70       | 130     | 1   | 20    |      |

**Cadmium, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG557402</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG557402ICV     | ICV  | 12/28/22 17:52 | MS220930-3 | .05    |        | .052809 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG557402ICB     | ICB  | 12/28/22 17:54 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG557220LRB     | LRB  | 12/28/22 17:55 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG557220LFB     | LFB  | 12/28/22 17:57 | MS221207-2 | .05005 |        | .050241 | mg/L  | 100  | 85       | 115     |     |       |      |
| L77799-03LFM    | LFM  | 12/28/22 18:42 | MS221207-2 | .05005 | U      | .048865 | mg/L  | 98   | 70       | 130     |     |       |      |
| L77799-03LFMD   | LFMD | 12/28/22 18:44 | MS221207-2 | .05005 | U      | .048969 | mg/L  | 98   | 70       | 130     | 0   | 20    |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 100      |        | 99.52 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 67.99353 |        | 70.84 | mg/L  | 104  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 67.99353 | 80.8   | 146.1 | mg/L  | 96   | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 67.99353 | 80.8   | 144.3 | mg/L  | 93   | 85    | 115   | 1   | 20    |      |

**Chloride**

SM4500Cl-E

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557414</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG557414ICV     | ICV  | 12/28/22 14:09 | WI220502-12 | 54.945 |        | 55.14 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG557414ICB     | ICB  | 12/28/22 14:09 |             |        |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG557414LFB1    | LFB  | 12/28/22 14:10 | WI221025-9  | 30.03  |        | 28.17 | mg/L  | 94   | 90    | 110   |     |       |      |
| WG557414LFB2    | LFB  | 12/28/22 14:25 | WI221025-9  | 30.03  |        | 30.63 | mg/L  | 102  | 90    | 110   |     |       |      |
| L77831-04AS     | AS   | 12/28/22 14:30 | WI221025-9  | 30.03  | 8.45   | 33.51 | mg/L  | 83   | 90    | 110   |     |       | M2   |
| L77831-05DUP    | DUP  | 12/28/22 14:30 |             |        | 1.8    | 1.57  | mg/L  |      |       |       | 14  | 20    | RA   |

**Chromium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG557831</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05   |        | .05197 | mg/L  | 104  | 90      | 110    |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .0501 |        | .04729 | mg/L  | 94   | 85      | 115    |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1002 | U      | .10402 | mg/L  | 104  | 70      | 130    |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1002 | U      | .0995  | mg/L  | 99   | 70      | 130    | 4   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Chromium, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|---------|--------|-----|-------|------|
| <b>WG557318</b> |      |                |            |       |        |        |       |      |         |        |     |       |      |
| WG557318ICV     | ICV  | 12/26/22 15:18 | MS220930-3 | .05   |        | .04951 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG557318ICB     | ICB  | 12/26/22 15:19 |            |       |        | U      | mg/L  |      | -0.0015 | 0.0015 |     |       |      |
| WG557218LRB     | LRB  | 12/26/22 15:21 |            |       |        | U      | mg/L  |      | -0.0011 | 0.0011 |     |       |      |
| WG557218LFB     | LFB  | 12/26/22 15:23 | MS221207-2 | .0501 |        | .04925 | mg/L  | 98   | 85      | 115    |     |       |      |
| L77714-01LFM    | LFM  | 12/26/22 16:09 | MS221207-2 | .0501 | U      | .04674 | mg/L  | 93   | 70      | 130    |     |       |      |
| L77714-01LFMD   | LFMD | 12/26/22 16:11 | MS221207-2 | .0501 | U      | .04594 | mg/L  | 92   | 70      | 130    | 2   | 20    |      |

**Conductivity @25C**

SM2510B

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units    | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|----------|------|-------|-------|-----|-------|------|
| <b>WG557164</b> |      |                |           |      |        |       |          |      |       |       |     |       |      |
| WG557164LCSW2   | LCSW | 12/21/22 19:47 | PCN623869 | 1410 |        | 1407  | umhos/cm | 100  | 90    | 110   |     |       |      |
| WG557164LCSW5   | LCSW | 12/21/22 23:19 | PCN623869 | 1410 |        | 1401  | umhos/cm | 99   | 90    | 110   |     |       |      |
| WG557164LCSW8   | LCSW | 12/22/22 4:21  | PCN623869 | 1410 |        | 1399  | umhos/cm | 99   | 90    | 110   |     |       |      |
| WG557164LCSW11  | LCSW | 12/22/22 7:35  | PCN623869 | 1410 |        | 1385  | umhos/cm | 98   | 90    | 110   |     |       |      |
| WG557164LCSW14  | LCSW | 12/22/22 11:48 | PCN623869 | 1410 |        | 1384  | umhos/cm | 98   | 90    | 110   |     |       |      |
| L77831-07DUP    | DUP  | 12/22/22 13:32 |           |      | 429    | 426   | umhos/cm |      |       |       | 1   | 20    |      |
| WG557164LCSW17  | LCSW | 12/22/22 13:39 | PCN623869 | 1410 |        | 1372  | umhos/cm | 97   | 90    | 110   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05 |        | .05293 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05 |        | .04744 | mg/L  | 95   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1  | U      | .09901 | mg/L  | 99   | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1  | U      | .09519 | mg/L  | 95   | 70       | 130     | 4   | 20    |      |

**Copper, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05 |        | .05259 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .05 |        | .05069 | mg/L  | 101  | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .05 | .00345 | .05152 | mg/L  | 96   | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .05 | .00345 | .05144 | mg/L  | 96   | 70       | 130     | 0   | 20    |      |

**Copper, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557627</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557627ICV     | ICV  | 01/03/23 11:51 | MS221228-3 | .05 |        | .05406 | mg/L  | 108  | 90       | 110     |     |       |      |
| WG557627ICB     | ICB  | 01/03/23 11:52 |            |     |        | U      | mg/L  |      | -0.0024  | 0.0024  |     |       |      |
| WG557220LRB     | LRB  | 01/03/23 11:54 |            |     |        | U      | mg/L  |      | -0.00176 | 0.00176 |     |       |      |
| WG557220LFB     | LFB  | 01/03/23 11:56 | MS221207-2 | .05 |        | .05072 | mg/L  | 101  | 85       | 115     |     |       |      |
| L77799-03LFM    | LFM  | 01/03/23 12:18 | MS221207-2 | .05 | .00277 | .04758 | mg/L  | 90   | 70       | 130     |     |       |      |
| L77799-03LFMD   | LFMD | 01/03/23 12:20 | MS221207-2 | .05 | .00277 | .04664 | mg/L  | 88   | 70       | 130     | 2   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Cyanide, total**

M335.4 - Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG557224</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG557224ICV     | ICV  | 12/22/22 10:12 | WI221216-15 | .3003 |        | .2895 | mg/L  | 96   | 90     | 110   |     |       |      |
| WG557224ICB     | ICB  | 12/22/22 10:13 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG557229</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG557153LRB     | LRB  | 12/22/22 10:53 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG557153LFB     | LFB  | 12/22/22 10:54 | WI221216-14 | .2    |        | .2071 | mg/L  | 104  | 90     | 110   |     |       |      |
| L77831-04DUP    | DUP  | 12/22/22 11:08 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |
| L77831-06LFM    | LFM  | 12/22/22 11:10 | WI221216-14 | .2    | U      | .2053 | mg/L  | 103  | 90     | 110   |     |       |      |

**Cyanide, WAD**

SM4500-CN I,E-Colorimetric w/ distillation

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG557224</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG557224ICV     | ICV  | 12/22/22 10:12 | WI221216-15 | .3003 |        | .2895 | mg/L  | 96   | 90     | 110   |     |       |      |
| WG557224ICB     | ICB  | 12/22/22 10:13 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| <b>WG557253</b> |      |                |             |       |        |       |       |      |        |       |     |       |      |
| WG557216LRB     | LRB  | 12/22/22 14:15 |             |       |        | U     | mg/L  |      | -0.003 | 0.003 |     |       |      |
| WG557216LFB     | LFB  | 12/22/22 14:16 | WI221216-12 | .2002 |        | .1913 | mg/L  | 96   | 90     | 110   |     |       |      |
| L77725-01LFM    | LFM  | 12/22/22 14:37 | 1XCN        | .4    | U      | .3862 | mg/L  | 97   | 90     | 110   |     |       |      |
| L77831-01DUP    | DUP  | 12/22/22 14:40 |             |       | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Dissolved Chromium, Hexavalent**

SM3500Cr-B

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG557163</b> |      |                |            |     |        |       |       |      |        |       |     |       |      |
| WG557163ICV     | ICV  | 12/21/22 13:45 | WC221014-5 | .05 |        | .0487 | mg/L  | 97   | 90     | 110   |     |       |      |
| WG557163ICB     | ICB  | 12/21/22 13:57 |            |     |        | U     | mg/L  |      | -0.005 | 0.005 |     |       |      |
| WG557163LFB     | LFB  | 12/21/22 14:09 | WC221014-7 | .05 |        | .0494 | mg/L  | 99   | 90     | 110   |     |       |      |
| L77836-02AS     | AS   | 12/21/22 16:50 | WC221014-7 | .25 | U      | .2695 | mg/L  | 108  | 90     | 110   |     |       |      |
| L77836-02DUP    | DUP  | 12/21/22 17:02 |            |     | U      | U     | mg/L  |      |        |       | 0   | 20    | RA   |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557576</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557576ICV     | ICV  | 12/30/22 15:50 | WC221228-1 | 2.008 |        | 2.17  | mg/L  | 108  | 90    | 110   |     |       |      |
| WG557576ICB     | ICB  | 12/30/22 15:57 |            |       |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG557576LFB     | LFB  | 12/30/22 16:07 | WC221227-7 | 5.02  |        | 5.21  | mg/L  | 104  | 90    | 110   |     |       |      |
| L77624-02AS     | AS   | 12/30/22 17:35 | WC221227-7 | 5.02  | .3     | 5.38  | mg/L  | 101  | 90    | 110   |     |       |      |
| L77624-02ASD    | ASD  | 12/30/22 17:39 | WC221227-7 | 5.02  | .3     | 5.33  | mg/L  | 100  | 90    | 110   | 1   | 20    |      |

**Iron, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2     |        | 2.011 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |       |        | U     | mg/L  |      | -0.18 | 0.18  |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 1.004 |        | 1.02  | mg/L  | 102  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 1.004 | 1.92   | 2.842 | mg/L  | 92   | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 1.004 | 1.92   | 2.811 | mg/L  | 89   | 85    | 115   | 1   | 20    |      |



**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG558143</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG558143ICV     | ICV  | 01/10/23 20:17 | II230106-2 | 2     |        | 2.023 | mg/L  | 101  | 95     | 105   |     |       |      |
| WG558143ICB     | ICB  | 01/10/23 20:22 |            |       |        | U     | mg/L  |      | -0.18  | 0.18  |     |       |      |
| WG557952LRB     | LRB  | 01/10/23 20:35 |            |       |        | U     | mg/L  |      | -0.132 | 0.132 |     |       |      |
| WG557952LFB     | LFB  | 01/10/23 20:37 | II230103-5 | 1.004 |        | 1.04  | mg/L  | 104  | 85     | 115   |     |       |      |
| L77793-01LFM    | LFM  | 01/10/23 21:47 | II230103-5 | 1.004 | .107   | 1.092 | mg/L  | 98   | 70     | 130   |     |       |      |
| L77793-01LFMD   | LFMD | 01/10/23 21:50 | II230103-5 | 1.004 | .107   | 1.1   | mg/L  | 99   | 70     | 130   | 1   | 20    |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05   |        | .05199 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .0501 |        | .04794 | mg/L  | 96   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1002 | .00059 | .10688 | mg/L  | 106  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1002 | .00059 | .10372 | mg/L  | 103  | 70       | 130     | 3   | 20    |      |

**Lead, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05   |        | .05165 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .0501 |        | .05182 | mg/L  | 103  | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .0501 | .0003  | .05381 | mg/L  | 107  | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .0501 | .0003  | .05322 | mg/L  | 106  | 70       | 130     | 1   | 20    |      |

**Lead, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557402</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557402ICV     | ICV  | 12/28/22 17:52 | MS220930-3 | .05   |        | .05216 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG557402ICB     | ICB  | 12/28/22 17:54 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG557220LRB     | LRB  | 12/28/22 17:55 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557220LFB     | LFB  | 12/28/22 17:57 | MS221207-2 | .0501 |        | .04998 | mg/L  | 100  | 85       | 115     |     |       |      |
| L77799-03LFM    | LFM  | 12/28/22 18:42 | MS221207-2 | .0501 | U      | .05132 | mg/L  | 102  | 70       | 130     |     |       |      |
| L77799-03LFMD   | LFMD | 12/28/22 18:44 | MS221207-2 | .0501 | U      | .05182 | mg/L  | 103  | 70       | 130     | 1   | 20    |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 100      |        | 98.42 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 49.99676 |        | 51.25 | mg/L  | 103  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 49.99676 | 17.2   | 66.41 | mg/L  | 98   | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 49.99676 | 17.2   | 65.62 | mg/L  | 97   | 85    | 115   | 1   | 20    |      |



**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |      |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2    |        | 2.009 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |      |        | U     | mg/L  |      | -0.03 | 0.03  |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .499 |        | .513  | mg/L  | 103  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .499 | .068   | .571  | mg/L  | 101  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .499 | .068   | .566  | mg/L  | 100  | 85    | 115   | 1   | 20    |      |

**Manganese, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05   |        | .05148 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |       |        | .00065 | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .0498 |        | .052   | mg/L  | 104  | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |       |        | .00051 | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .0498 | .0519  | .10343 | mg/L  | 103  | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .0498 | .0519  | .10277 | mg/L  | 102  | 70       | 130     | 1   | 20    |      |

**Mercury, dissolved**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557066</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG557066ICV1    | ICV  | 12/22/22 8:57  | HG221212-3 | .005005 |        | .00515 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG557066ICB     | ICB  | 12/22/22 8:58  |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG557207</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG557207LRB     | LRB  | 12/22/22 11:57 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557207LFB     | LFB  | 12/22/22 11:58 | HG221212-6 | .002002 |        | .00219 | mg/L  | 109  | 85       | 115     |     |       |      |
| L77817-01LFM    | LFM  | 12/22/22 12:00 | HG221212-6 | .002002 | U      | .00208 | mg/L  | 104  | 85       | 115     |     |       |      |
| L77817-01LFMD   | LFMD | 12/22/22 12:01 | HG221212-6 | .002002 | U      | .00212 | mg/L  | 106  | 85       | 115     | 2   | 20    |      |
| L77831-07LFM    | LFM  | 12/22/22 12:13 | HG221212-6 | .002002 | U      | .00213 | mg/L  | 106  | 85       | 115     |     |       |      |
| L77831-07LFMD   | LFMD | 12/22/22 12:14 | HG221212-6 | .002002 | U      | .00213 | mg/L  | 106  | 85       | 115     | 0   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Mercury, total**

M1631E, Atomic Fluorescence

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG554692</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG554692ICV     | ICV  | 11/11/22 10:46 | HG220913-4 | 10 |        | 8.85  | ng/L  | 89   | 79     | 121   |     |       |      |
| WG554692ICB     | ICB  | 11/11/22 10:50 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| <b>WG557700</b> |      |                |            |    |        |       |       |      |        |       |     |       |      |
| WG557700CCV1    | CCV  | 01/04/23 9:13  | HG221215-4 | 10 |        | 8.65  | ng/L  | 87   | 76.5   | 123.4 |     |       |      |
| WG557700CCB1    | CCB  | 01/04/23 9:17  |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG557700PQV     | PQV  | 01/04/23 9:22  | HG221215-6 | 1  |        | .93   | ng/L  | 93   | 70     | 130   |     |       |      |
| WG557700LFB     | LFB  | 01/04/23 9:27  | HG221215-5 | 2  |        | 1.74  | ng/L  | 87   | 71     | 125   |     |       |      |
| L77788-01MS     | MS   | 01/04/23 9:36  | HG221215-5 | 2  | .47    | 2.34  | ng/L  | 94   | 71     | 125   |     |       |      |
| L77788-01MSD    | MSD  | 01/04/23 9:41  | HG221215-5 | 2  | .47    | 2.16  | ng/L  | 85   | 71     | 125   | 8   | 24    |      |
| WG557700CCV2    | CCV  | 01/04/23 10:10 | HG221215-4 | 10 |        | 8.67  | ng/L  | 87   | 76.5   | 123.4 |     |       |      |
| WG557700CCB2    | CCB  | 01/04/23 10:15 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |
| WG557700CCV3    | CCV  | 01/04/23 11:07 | HG221215-4 | 10 |        | 7.75  | ng/L  | 78   | 76.5   | 123.4 |     |       |      |
| WG557700CCB3    | CCB  | 01/04/23 11:12 |            |    |        | U     | ng/L  |      | -0.501 | 0.501 |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557066</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG557066ICV1    | ICV  | 12/22/22 8:57  | HG221212-3 | .005005 |        | .00515 | mg/L  | 103  | 90       | 110     |     |       |      |
| WG557066ICB     | ICB  | 12/22/22 8:58  |            |         |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| <b>WG557208</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG557208LRB     | LRB  | 12/22/22 12:20 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557208LFB     | LFB  | 12/22/22 12:21 | HG221212-6 | .002002 |        | .00209 | mg/L  | 104  | 85       | 115     |     |       |      |
| L77804-03LFM    | LFM  | 12/22/22 12:24 | HG221212-6 | .002002 | U      | .00224 | mg/L  | 112  | 85       | 115     |     |       |      |
| L77804-03LFMD   | LFMD | 12/22/22 12:25 | HG221212-6 | .002002 | U      | .00222 | mg/L  | 111  | 85       | 115     | 1   | 20    |      |

**Molybdenum, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .02    |        | .0198  | mg/L  | 99   | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05005 |        | .04676 | mg/L  | 93   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1001  | .0046  | .1119  | mg/L  | 107  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1001  | .0046  | .10996 | mg/L  | 105  | 70       | 130     | 2   | 20    |      |

**Nickel, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC   | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |      |        |       |       |      |        |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2    |        | 1.969 | mg/L  | 98   | 95     | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |      |        | U     | mg/L  |      | -0.024 | 0.024 |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .502 |        | .5141 | mg/L  | 102  | 85     | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .502 | U      | .5102 | mg/L  | 102  | 85     | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .502 | U      | .5051 | mg/L  | 101  | 85     | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Nitrate/Nitrite as N**

M353.2 - H2SO4 preserved

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557284</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557284ICV     | ICV  | 12/22/22 23:00 | WI221206-7 | 2.416 |        | 2.373 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG557284ICB     | ICB  | 12/22/22 23:01 |            |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| <b>WG557287</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557287LFB     | LFB  | 12/23/22 1:04  | WI220826-7 | 2     |        | 2.045 | mg/L  | 102  | 90    | 110   |     |       |      |
| L77595-01AS     | AS   | 12/23/22 1:26  | WI220826-7 | 2     | U      | 2.178 | mg/L  | 109  | 90    | 110   |     |       |      |
| L77595-02DUP    | DUP  | 12/23/22 1:28  |            |       | .439   | .455  | mg/L  |      |       |       | 4   | 20    |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557164</b> |      |                |          |    |        |       |       |      |       |       |     |       |      |
| WG557164LCSW1   | LCSW | 12/21/22 19:45 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG557164LCSW4   | LCSW | 12/21/22 23:17 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG557164LCSW10  | LCSW | 12/22/22 7:34  | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| WG557164LCSW13  | LCSW | 12/22/22 11:46 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |
| L77831-07DUP    | DUP  | 12/22/22 13:32 |          |    | 7.3    | 7.4   | units |      |       |       | 1   | 20    |      |
| WG557164LCSW16  | LCSW | 12/22/22 13:38 | PCN65296 | 6  |        | 6     | units | 100  | 5.9   | 6.1   |     |       |      |

**Phosphorus, total**

M365.1 - Auto Ascorbic Acid (digest)

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG559082</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG559082ICV     | ICV  | 01/24/23 11:15 | WI221216-17 | .65228 |        | .652  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG559082ICB     | ICB  | 01/24/23 11:17 |             |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG558007LRB     | LRB  | 01/24/23 11:18 |             |        |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG558007LFB     | LFB  | 01/24/23 11:20 | WI230111-3  | .5     |        | .524  | mg/L  | 105  | 90    | 110   |     |       |      |
| L77831-07LFM    | LFM  | 01/24/23 11:48 | WI230111-3  | .5     | U      | .524  | mg/L  | 105  | 90    | 110   |     |       |      |
| L77832-01DUP    | DUP  | 01/24/23 11:50 |             |        | .103   | .096  | mg/L  |      |       |       | 7   | 20    | RA   |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 20       |        | 20.15 | mg/L  | 101  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 99.95798 |        | 102.7 | mg/L  | 103  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 99.95798 | 3.19   | 104.3 | mg/L  | 101  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 99.95798 | 3.19   | 103.5 | mg/L  | 100  | 85    | 115   | 1   | 20    |      |

**Residue, Filterable (TDS) @180C**

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557138</b> |      |                |           |      |        |       |       |      |       |       |     |       |      |
| WG557138PBW     | PBW  | 12/21/22 11:15 |           |      |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG557138LCSW    | LCSW | 12/21/22 11:16 | PCN623967 | 1000 |        | 1000  | mg/L  | 100  | 80    | 120   |     |       |      |
| L77831-07DUP    | DUP  | 12/21/22 11:59 |           |      | 288    | 284   | mg/L  |      |       |       | 1   | 10    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Residue, Non-Filterable (TSS) @105C SM2540D**

| ACZ ID          | Type | Analyzed       | PCN/SCN   | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-----------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557202</b> |      |                |           |     |        |       |       |      |       |       |     |       |      |
| WG557202PBW     | PBW  | 12/21/22 20:50 |           |     |        | U     | mg/L  |      | -2    | 2     |     |       |      |
| WG557202LCSW    | LCSW | 12/21/22 20:52 | PCN623968 | 100 |        | 110   | mg/L  | 110  | 80    | 120   |     |       |      |
| L77831-07DUP    | DUP  | 12/21/22 21:20 |           |     | U      | U     | mg/L  |      |       |       | 0   | 10    | RA   |

**Selenium, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05    |        | .05211 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | .00014 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05005 |        | .04804 | mg/L  | 96   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1001  | .00046 | .11026 | mg/L  | 110  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1001  | .00046 | .1089  | mg/L  | 108  | 70       | 130     | 1   | 20    |      |

**Silica, dissolved M200.7 ICP**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 42.8   |        | 43.95 | mg/L  | 103  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |        |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 21.428 |        | 22.9  | mg/L  | 107  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 21.428 | 16.5   | 38.86 | mg/L  | 104  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 21.428 | 16.5   | 38.42 | mg/L  | 102  | 85    | 115   | 1   | 20    |      |

**Silver, dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .02    |        | .02106 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .01001 |        | .00983 | mg/L  | 98   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .02002 | U      | .02063 | mg/L  | 103  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .02002 | U      | .02066 | mg/L  | 103  | 70       | 130     | 0   | 20    |      |

**Silver, potentially dissolved M200.8 ICP-MS**

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557766</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .02    |        | .02108 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |        |        | .00016 | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .01001 |        | .0098  | mg/L  | 98   | 85       | 115     |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .01001 | U      | .00915 | mg/L  | 91   | 70       | 130     |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .01001 | U      | .00974 | mg/L  | 97   | 70       | 130     | 6   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 100      |        | 99.45 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | 100.0023 |        | 102   | mg/L  | 102  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | 100.0023 | 7.48   | 108.1 | mg/L  | 101  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | 100.0023 | 7.48   | 107.1 | mg/L  | 100  | 85    | 115   | 1   | 20    |      |

**Sulfate**

D516-02/-07/-11 - TURBIDIMETRIC

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG557568</b> |      |                |            |       |        |       |       |      |       |       |     |       |      |
| WG557568ICB     | ICB  | 12/30/22 13:15 |            |       |        | U     | mg/L  |      | -3    | 3     |     |       |      |
| WG557568ICV     | ICV  | 12/30/22 13:15 | WI221216-8 | 19.54 |        | 19.4  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG557568LFB     | LFB  | 12/30/22 16:47 | WI220830-3 | 10    |        | 9.4   | mg/L  | 94   | 90    | 110   |     |       |      |
| L77824-03AS     | AS   | 12/30/22 16:50 | WI220830-3 | 100   | 30.5   | 121.6 | mg/L  | 91   | 90    | 110   |     |       |      |
| L77824-04DUP    | DUP  | 12/30/22 16:50 |            |       | 31.9   | 30.7  | mg/L  |      |       |       | 4   | 20    | RA   |

**Thallium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05 |        | .05349 | mg/L  | 107  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05 |        | .04811 | mg/L  | 96   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1  | U      | .10418 | mg/L  | 104  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1  | U      | .1021  | mg/L  | 102  | 70       | 130     | 2   | 20    |      |

**Uranium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG557831</b> |      |                |            |     |        |        |       |      |          |         |     |       |      |
| WG557831ICV     | ICV  | 01/05/23 11:33 | MS221228-3 | .05 |        | .05266 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG557831ICB     | ICB  | 01/05/23 11:36 |            |     |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG557831LFB     | LFB  | 01/05/23 11:38 | MS221228-8 | .05 |        | .04848 | mg/L  | 97   | 85       | 115     |     |       |      |
| L77831-04AS     | AS   | 01/05/23 12:17 | MS221228-8 | .1  | .00032 | .1096  | mg/L  | 109  | 70       | 130     |     |       |      |
| L77831-04ASD    | ASD  | 01/05/23 12:20 | MS221228-8 | .1  | .00032 | .10615 | mg/L  | 106  | 70       | 130     | 3   | 20    |      |

**Vanadium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |       |        |       |       |      |        |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2     |        | 2.105 | mg/L  | 105  | 95     | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |       |        | U     | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .5005 |        | .5473 | mg/L  | 109  | 85     | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .5005 | U      | .5342 | mg/L  | 107  | 85     | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .5005 | U      | .528  | mg/L  | 105  | 85     | 115   | 1   | 20    |      |

**OURAYSM**

ACZ Project ID: **L77831**

*NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.*

**Zinc, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG558116</b> |      |                |            |        |        |       |       |      |       |       |     |       |      |
| WG558116ICV     | ICV  | 01/10/23 20:11 | II230106-2 | 2      |        | 2.042 | mg/L  | 102  | 95    | 105   |     |       |      |
| WG558116ICB     | ICB  | 01/10/23 20:17 |            |        |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG558116LFB     | LFB  | 01/10/23 20:30 | II230103-5 | .50045 |        | .544  | mg/L  | 109  | 85    | 115   |     |       |      |
| L77725-01AS     | AS   | 01/10/23 21:32 | II230103-5 | .50045 | U      | .546  | mg/L  | 109  | 85    | 115   |     |       |      |
| L77725-01ASD    | ASD  | 01/10/23 21:35 | II230103-5 | .50045 | U      | .538  | mg/L  | 108  | 85    | 115   | 1   | 20    |      |

**Zinc, potentially dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG557766</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG557766ICV     | ICV  | 01/04/23 19:44 | MS221228-3 | .05     |        | .0503 | mg/L  | 101  | 90      | 110    |     |       |      |
| WG557766ICB     | ICB  | 01/04/23 19:46 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG557766LFB     | LFB  | 01/04/23 19:48 | MS221228-8 | .050075 |        | .0518 | mg/L  | 103  | 85      | 115    |     |       |      |
| WG557580PBW     | PBW  | 01/04/23 19:50 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| L77933-01AS     | AS   | 01/04/23 20:01 | MS221228-8 | .050075 | .0422  | .0879 | mg/L  | 91   | 70      | 130    |     |       |      |
| L77933-01ASD    | ASD  | 01/04/23 20:06 | MS221228-8 | .050075 | .0422  | .0867 | mg/L  | 89   | 70      | 130    | 1   | 20    |      |

**Zinc, total**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG557402</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG557402ICV     | ICV  | 12/28/22 17:52 | MS220930-3 | .05     |        | .052  | mg/L  | 104  | 90      | 110    |     |       |      |
| WG557402ICB     | ICB  | 12/28/22 17:54 |            |         |        | U     | mg/L  |      | -0.018  | 0.018  |     |       |      |
| WG557220LRB     | LRB  | 12/28/22 17:55 |            |         |        | U     | mg/L  |      | -0.0132 | 0.0132 |     |       |      |
| WG557220LFB     | LFB  | 12/28/22 17:57 | MS221207-2 | .050075 |        | .0521 | mg/L  | 104  | 85      | 115    |     |       |      |
| L77799-03LFM    | LFM  | 12/28/22 18:42 | MS221207-2 | .050075 | U      | .0515 | mg/L  | 103  | 70      | 130    |     |       |      |
| L77799-03LFMD   | LFMD | 12/28/22 18:44 | MS221207-2 | .050075 | U      | .0512 | mg/L  | 102  | 70      | 130    | 1   | 20    |      |

**Ouray Silver Mines**

ACZ Project ID: **L77831**

| ACZ ID           | WORKNUM  | PARAMETER                           | METHOD                                        | QUAL | DESCRIPTION                                                                                                                                                           |
|------------------|----------|-------------------------------------|-----------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>L77831-01</b> | WG557253 | Cyanide, WAD                        | SM4500-CN I,E-Colorimetric w/<br>distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|                  |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
| <b>L77831-02</b> | WG557163 | Dissolved Chromium, Hexavalent      | SM3500Cr-B                                    | H3   | Sample was received and analyzed past holding time.                                                                                                                   |
|                  |          |                                     | SM3500Cr-B                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
| <b>L77831-04</b> | WG557831 | Beryllium, dissolved                | M200.8 ICP-MS                                 | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [< MDL].                                                                  |
|                  | WG557414 | Chloride                            | SM4500Cl-E                                    | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                             |
|                  |          |                                     | SM4500Cl-E                                    | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG557229 | Cyanide, total                      | M335.4 - Colorimetric w/<br>distillation      | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG559082 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid<br>(digest)       | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                           |
|                  |          |                                     | M365.1 - Auto Ascorbic Acid<br>(digest)       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|                  | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                                       | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                              |
|                  |          |                                     | SM2540D                                       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |
|                  |          |                                     | SM2540D                                       | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                      |
|                  | WG557568 | Sulfate                             | D516-02/-07/-11 -<br>TURBIDIMETRIC            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL). |

**Ouray Silver Mines**

ACZ Project ID: **L77831**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                      |
|-----------|----------|-------------------------------------|---------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77831-05 | WG557831 | Beryllium, dissolved                | M200.8 ICP-MS                         | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [ $< \text{MDL}$ ].                                                                  |
|           | WG557414 | Chloride                            | SM4500CI-E                            | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                        |
|           |          |                                     | SM4500CI-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557229 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG559082 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                      |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557568 | Sulfate                             | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                 |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
| L77831-06 | WG557414 | Chloride                            | SM4500CI-E                            | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                        |
|           |          |                                     | SM4500CI-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557229 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG559082 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                      |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |
|           | WG557568 | Sulfate                             | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                 |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10\text{x MDL}$ ). |



**Ouray Silver Mines**

ACZ Project ID: **L77831**

| ACZ ID    | WORKNUM  | PARAMETER                           | METHOD                                | QUAL | DESCRIPTION                                                                                                                                                                      |
|-----------|----------|-------------------------------------|---------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L77831-07 | WG557831 | Beryllium, dissolved                | M200.8 ICP-MS                         | VC   | CCV recovery was above the acceptance limits. Target analyte was not detected in the sample [ $< \text{MDL}$ ].                                                                  |
|           | WG557414 | Chloride                            | SM4500Cl-E                            | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                        |
|           |          |                                     | SM4500Cl-E                            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x \text{MDL}$ ). |
|           | WG557229 | Cyanide, total                      | M335.4 - Colorimetric w/ distillation | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x \text{MDL}$ ). |
|           | WG559082 | Phosphorus, total                   | M365.1 - Auto Ascorbic Acid (digest)  | HC   | Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.                                      |
|           |          |                                     | M365.1 - Auto Ascorbic Acid (digest)  | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x \text{MDL}$ ). |
|           | WG557138 | Residue, Filterable (TDS) @180C     | SM2540C                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           | WG557202 | Residue, Non-Filterable (TSS) @105C | SM2540D                               | H1   | Sample prep or analysis performed past holding time. See case narrative.                                                                                                         |
|           |          |                                     | SM2540D                               | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x \text{MDL}$ ). |
|           | WG557568 | Sulfate                             | SM2540D                               | Z3   | Sample volume yielded a residue less than 2.5 mg                                                                                                                                 |
|           |          |                                     | D516-02/-07/-11 - TURBIDIMETRIC       | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation ( $< 10x \text{MDL}$ ). |

**Ouray Silver Mines**

ACZ Project ID: **L77831**

No certification qualifiers associated with this analysis

Ouray Silver Mines

ACZ Project ID: L77831

Date Received: 12/14/2022 11:44

Received By:

Date Printed: 12/22/2022

**Receipt Verification**

|                                                                                             | YES                                 | NO                                  | NA                                  |
|---------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1) Is a foreign soil permit included for applicable samples?                                | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2) Is the Chain of Custody form or other directive shipping papers present?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 3) Does this project require special handling procedures such as CLP protocol?              | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4) Are any samples NRC licensable material?                                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5) If samples are received past hold time, proceed with requested short hold time analyses? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6) Is the Chain of Custody form complete and accurate?                                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**Samples/Containers**

|                                                                                         | YES                                 | NO                                  | NA                                  |
|-----------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 8) Are all containers intact and with no leaks?                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 9) Are all labels on containers and are they intact and legible?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 11) For preserved bottle types, was the pH checked and within limits? <sup>1</sup>      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 12) Is there sufficient sample volume to perform all requested work?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 13) Is the custody seal intact on all containers?                                       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 14) Are samples that require zero headspace acceptable?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 15) Are all sample containers appropriate for analytical requirements?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 16) Is there an Hg-1631 trip blank present?                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 17) Is there a VOA trip blank present?                                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 18) Were all samples received within hold time?                                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

Some parameters were received past hold time.

NA indicates Not Applicable

**Chain of Custody Related Remarks**

**Client Contact Remarks**

**Shipping Containers**

| Cooler Id | Temp (°C) | Temp<br>Criteria (°C) | Rad (µR/Hr) | Custody Seal<br>Intact? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| 6902      | 2.2       | <=6.0                 | 15          | N/A                     |

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

Ouray Silver Mines

ACZ Project ID: L77831

Date Received: 12/14/2022 11:44

Received By:

Date Printed: 12/22/2022

<sup>1</sup> The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



**Laboratories, Inc.** L77831

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

## CHAIN of CUSTODY

### Report to:

Name: Todd Jesse  
Company: Ouray Silver Mines Inc  
E-mail: tjesse@ouraysilvermines.com

Address: 1900 Main St Unit 1  
Ouray, CO 81427  
Telephone: 720-469-7557

### Copy of Report to:

Name:  
Company: Ouray Silver Mines Inc

E-mail: environmental@ouraysilvermines.com  
Telephone: 970-325-9830

### Invoice to:

Name: Don Cordsen  
Company: Ouray Silver Mines  
E-mail: payable@ouraysilvermines.com

Address: PO Box 564  
Ouray, CO 81427  
Telephone: 970-325-9830

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses?

YES ☒  
NO ☐

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring?

Yes ☐ No ☒

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Todd Jesse Sampler's Site Information State CO Zip code 81427 Time Zone mst

\*Sampler's Signature:

I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

### PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

| Quote #: | PO#: | Reporting state for compliance testing: | Check box if samples include NRC licensed material? | SAMPLE IDENTIFICATION | DATE:TIME        | Matrix | # of Containers | CDPS-BIMONTH-WW                     | CDPS-QUART-WW                       | Hg Trip Blank                       | GW                                  |                          |                          |                          |                          |                          |                          |
|----------|------|-----------------------------------------|-----------------------------------------------------|-----------------------|------------------|--------|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|          |      | CO                                      | <input type="checkbox"/>                            | OF002A                | 12/13/22 : 9:58  | WW     | 4               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | OF002A                | 12/13/22 : 9:58  | WW     | 4               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | Hg Trip Blank         | 12/13/22 : 10:28 |        | 1               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | UG-5                  | 12/12/22 : 9:18  | GW     | 5               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | UG-2                  | 12/12/22 : 9:57  | GW     | 5               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | UG-8                  | 12/12/22 : 10:32 | GW     | 5               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     | UG-4                  | 12/12/22 : 10:53 | GW     | 5               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     |                       |                  |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     |                       |                  |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|          |      |                                         |                                                     |                       |                  |        |                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Matrix SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

### REMARKS

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

Todd Jesse 12/13/22 14:00 [Signature] 12/24/22 1144

FRMAD050.06.14.14

White - Return with sample. Yellow - Retain for your records.

L77831 Chain of Custody

L77831-2301251543



## Whole Effluent Toxicity Testing Report

**Ouray Silver Mines Inc.**

Submitted to:

**Todd Jesse**

**Ouray Silver Mines, Inc.**

PO Box 564

Ouray, CO 81427

Submitted by:

**GEI Consultants, Inc.**

**Ecological Division**

4601 DTC Boulevard, Suite 900

Denver, CO 80237

April 15, 2022

Project 2004862

Report prepared by: MH



## 1.0 Test Summary

---

Enclosed are the results of the chronic *Ceriodaphnia dubia* and *Pimephales promelas* tests performed March 16 to 23, 2022. Chronic toxicity test procedures followed the methods described in EPA documentation (EPA 2002) and CDPHE guidelines (CDPHE 1998). All chemistry measurements within this report (i.e. alkalinity, pH, dissolved oxygen, etc...) are support data for the WET tests and are not intended to be used as measurements for compliance purposes.

Due to a FedEx shipping issue, the first shipment of samples collected March 14, 2022, were received outside EPA recommended hold time, however, the samples were within temperature upon receipt and were used for test initiation. After discussion with Jacob Dyste with the CDPHE, approval was given for the use of the first shipment as numerous shipping issues have occurred in the last six months from this site. The tests are considered valid despite the deviation from protocol.

Due to a technician error, pH, D.O., and conductivity were not measured on day six in all test concentrations for the *C. dubia* test. However, because this was such a slight deviation from protocol, we believe that this had no effect on the outcome of the test.

Surrogate chambers were included within the setup for both tests, with temperatures taken daily. Temperatures on the final day of the tests were taken in the test chambers. The temperature in the *P. promelas* test differed by 3.6°C.

There were no significant effects in either test and control performance criteria were met.

**Table 1: Test results summary based on instream waste concentration of 89% effluent.**

| Test Species       | Survival         |      | Reproduction/Growth |      |
|--------------------|------------------|------|---------------------|------|
|                    | IC <sub>25</sub> | NOEC | IC <sub>25</sub>    | NOEC |
| <i>C. dubia</i>    | Pass             | Pass | Pass                | Pass |
| <i>P. promelas</i> | Pass             | Pass | Pass                | Pass |

Report approved by:



Ashley Romero, Laboratory Manager



Natalie Love, Laboratory Director

## 2.0 Test Conditions

### 2.1 *Ceriodaphnia dubia* and *Pimephales promelas* tests to estimate chronic toxicity

Table 2: Summary of test conditions for chronic toxicity tests.

| Parameter                           | Test Conditions                                                           |                                                |
|-------------------------------------|---------------------------------------------------------------------------|------------------------------------------------|
| Test species                        | <i>C. dubia</i>                                                           | <i>P. promelas</i>                             |
| Method                              | EPA-821-R-02-013<br>Short-Term Methods for Estimating Chronic Toxicity... |                                                |
| Sample collection procedure         | Grab                                                                      |                                                |
| Sample collection dates             | 3/14/22, 3/16/22, 3/18/22                                                 |                                                |
| Dilution water                      | Moderately hard reconstituted water                                       |                                                |
| Test duration                       | Until at least 60% of control organisms release 3 broods                  | 7 days                                         |
| Age of organisms at start           | <24 hours old                                                             |                                                |
| Acclimation water                   | Moderately hard reconstituted water                                       | N/A                                            |
| Feeding                             | 0.1 mL YCT/ 0.1 mL <i>Selenastrum</i> daily                               | 0.15 mL <i>Artemia</i> nauplii 2 times per day |
| End point                           | Mortality, normalized reproduction                                        | Mortality, growth                              |
| Start date/time                     | 3/16/22 14:05                                                             | 3/16/22 17:15                                  |
| End date/time                       | 3/22/22 13:05                                                             | 3/23/22 16:20                                  |
| Type of exposure chamber            | 30 mL disposable plastic cup                                              | 14 oz. disposable plastic cup                  |
| Volume of exposure chamber          | 15 mL                                                                     | 250 mL                                         |
| Number of organisms exposed/chamber | 1                                                                         | 10                                             |
| Number of replicates/treatment      | 10                                                                        | 4                                              |
| Test temperature                    | 24.4°C ± 1.3°C                                                            | 24.9°C ± 1.8°C                                 |
| EPA recommended temperature         | 25.0°C ± 1.0°C                                                            | 25.0°C ± 1.0°C                                 |
| Standard toxicant used              | NaCl                                                                      | NaCl                                           |
| Aeration                            | N/A                                                                       | None                                           |
| CO <sub>2</sub> atmosphere          | None                                                                      | None                                           |



## 3.0 QA/QC Summary

### 3.1 Sample QA/QC

Table 3: Sample QA/QC Summary.

| QA Requirement                                                                             | Yes | No | N/A | Note                                                                                                                   |
|--------------------------------------------------------------------------------------------|-----|----|-----|------------------------------------------------------------------------------------------------------------------------|
| Chain of Custody received                                                                  | x   |    |     |                                                                                                                        |
| Chain of Custody complete                                                                  | x   |    |     |                                                                                                                        |
| Custody Seal Intact                                                                        | x   |    |     |                                                                                                                        |
| Samples received within holding times                                                      | x   | x  |     | Samples collected 3/14/22 received out of hold time; samples used with approval from regulatory authority.             |
| Samples at correct temperature (0-6°C) or delivered the same day as samples were collected | x   |    |     |                                                                                                                        |
| Samples used within 36 hours of collection                                                 | x   | x  |     | Samples collected 3/14/22 received out of hold time; samples used for testing with approval from regulatory authority. |

### 3.2 Test Acceptability

Table 4: Control performance criteria requirements and test results by species.

| Test Species       | Survival |                | Reproduction/Growth |                      | All Test Acceptability Criteria Met |
|--------------------|----------|----------------|---------------------|----------------------|-------------------------------------|
|                    | Test (%) | Acceptable (%) | Test (# or mg)      | Acceptable (# or mg) |                                     |
| <i>C. dubia</i>    | 100      | ≥ 80           | 43.3                | ≥ 15.0               | Yes                                 |
| <i>P. promelas</i> | 100      | ≥ 80           | 0.352               | ≥ 0.250              | Yes                                 |

### 3.3 Statistical QA/QC

Table 5: Calculated and allowable PMSD upper bounds per species and concentration-response curve evaluation.

| Test Species       | Calculated PMSD | EPA PMSD Upper Bound | PMSD Acceptable | Concentration-Response Curve Validity |                     |
|--------------------|-----------------|----------------------|-----------------|---------------------------------------|---------------------|
|                    |                 |                      |                 | Survival                              | Reproduction/Growth |
| <i>C. dubia</i>    | 18              | 47                   | Yes             | Yes; Data approved                    | Yes; Data approved  |
| <i>P. promelas</i> | 16              | 30                   | Yes             | Yes; Data approved                    | Yes; Data approved  |

### 3.4 Concentration-Response Figures

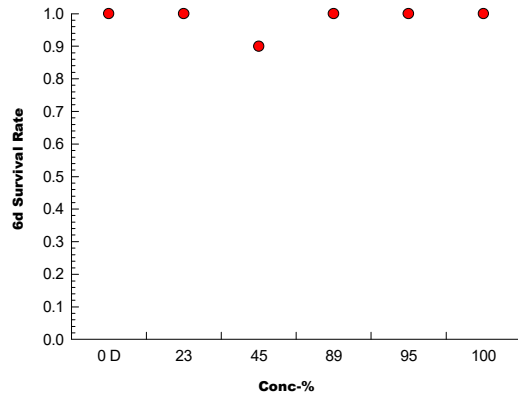


Figure 1: *C. dubia* survival

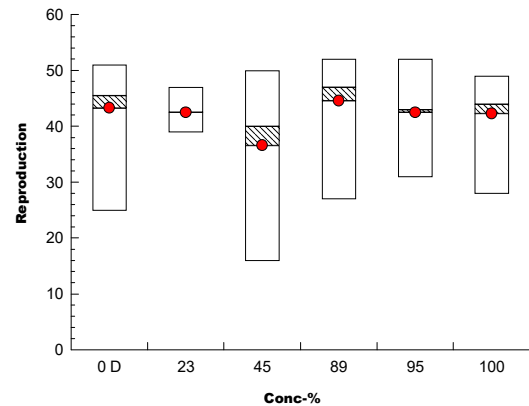


Figure 2: *C. dubia* reproduction

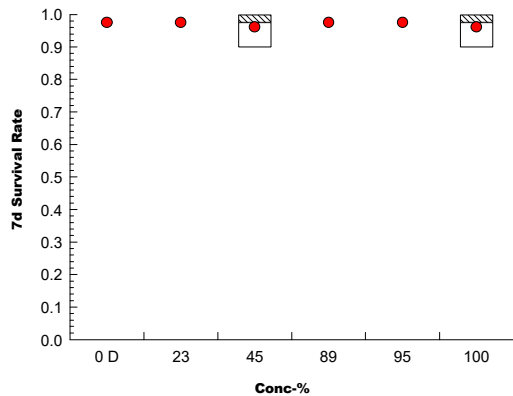


Figure 3: *P. promelas* survival

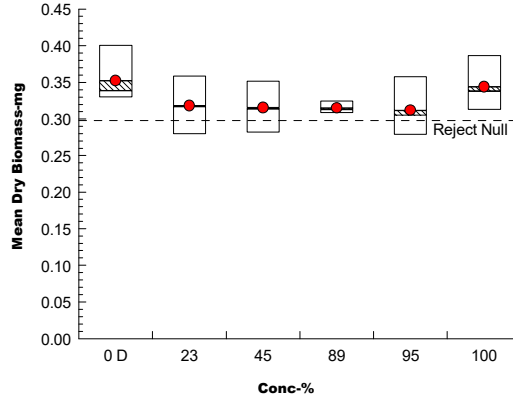


Figure 4: *P. promelas* growth

### 3.5 Reference Toxicant Summary

Table 6: Most recent reference toxicant test data summary per species.

| Species            | Test Initiation Date | Reproduction/Growth IC <sub>25</sub> (95% C.I.) | Performance Range Last 20 Tests | Within Performance Range |
|--------------------|----------------------|-------------------------------------------------|---------------------------------|--------------------------|
| <i>C. dubia</i>    | 3/15/22              | 1025.9 mg NaCl/L (unavailable)                  | 518.9 to 1336.6                 | Yes                      |
| <i>P. promelas</i> | 3/15/22              | 1.95 g NaCl/L (1.54 to 2.87)                    | 1.17 to 2.45                    | Yes                      |

## 4.0 Results

### 4.1 Chronic Toxicity Test Results

Table 7: Summary results of *C. dubia* chronic toxicity test.

| Client/Project                                   | Ouray Silver Mines Inc. |                   |                    |                              |                   |                   |
|--------------------------------------------------|-------------------------|-------------------|--------------------|------------------------------|-------------------|-------------------|
| Test Date/Time                                   | Start: 3/16/22 @ 14:05  |                   |                    | End: 3/22/22 @ 13:05         |                   |                   |
| Treatment<br>% Effluent                          | 0                       | 23                | 45                 | 89                           | 95                | 100               |
| #alive/#exposed                                  | 10/10                   | 10/10             | 9/10               | 10/10                        | 10/10             | 10/10             |
| % survival                                       | 100                     | 100               | 90                 | 100                          | 100               | 100               |
| Normalized repro / #<br>females exposed $\pm$ SD | 43.3<br>$\pm$ 7.4       | 42.5<br>$\pm$ 3.0 | 36.6<br>$\pm$ 11.6 | 44.6<br>$\pm$ 7.8            | 42.5<br>$\pm$ 6.2 | 42.3<br>$\pm$ 6.7 |
| Operators                                        | JW, MH, TE, AI, JMS     |                   |                    |                              |                   |                   |
| Statistical Analysis                             | NOEC                    |                   |                    | IC <sub>25</sub> (95% C.I.)  |                   |                   |
| Survival                                         | 100% Effluent           |                   |                    | >100% Effluent (unavailable) |                   |                   |
| Normalized Reproduction                          | 100% Effluent           |                   |                    | >100% Effluent (unavailable) |                   |                   |

Table 8: Summary results of *P. promelas* chronic toxicity test.

| Client/Project                                    | Ouray Silver Mines Inc. |                      |                      |                              |                      |                      |
|---------------------------------------------------|-------------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|
| Test Date/Time                                    | Start: 3/16/22 @ 17:15  |                      |                      | End: 3/23/22 @ 16:20         |                      |                      |
| Treatment<br>% Effluent                           | 0                       | 23                   | 45                   | 89                           | 95                   | 100                  |
| #alive/#exposed                                   | 40/40                   | 40/40                | 39/40                | 40/40                        | 40/40                | 39/40                |
| % survival                                        | 100                     | 100                  | 97.5                 | 100                          | 100                  | 97.5                 |
| Dry weight (mean wt.<br>(mg) / #exposed $\pm$ SD) | 0.352<br>$\pm$ 0.033    | 0.318<br>$\pm$ 0.041 | 0.316<br>$\pm$ 0.029 | 0.315<br>$\pm$ 0.007         | 0.312<br>$\pm$ 0.034 | 0.344<br>$\pm$ 0.036 |
| Operators                                         | AI, ISM, TE, KH, JW     |                      |                      |                              |                      |                      |
| Statistical Analysis                              | NOEC                    |                      |                      | IC <sub>25</sub> (95% C.I.)  |                      |                      |
| Survival                                          | 100% Effluent           |                      |                      | >100% Effluent (unavailable) |                      |                      |
| Growth                                            | 100% Effluent           |                      |                      | >100% Effluent (unavailable) |                      |                      |

## 4.2 Water Chemistry Results from Samples Received for Chronic Toxicity Tests

Table 9: Wet chemistry on reconstituted water and effluent samples.

| Measurement                                                | MH Recon Water | 100% Effluent Received 3/16/22 | 100% Effluent Received 3/17/22 | 100% Effluent Received 3/19/22 |
|------------------------------------------------------------|----------------|--------------------------------|--------------------------------|--------------------------------|
| Analysis Temperature (°C)                                  | 25.0           | 25.0                           | 25.0                           | 25.0                           |
| Total Hardness (mg CaCO <sub>3</sub> /L)                   | 98             | 200                            | 196                            | 198                            |
| pH (SU)                                                    | 8.1            | 7.7                            | 7.6                            | 7.6                            |
| Alkalinity (mg CaCO <sub>3</sub> /L)                       | 62             | 72                             | 72                             | 72                             |
| Conductivity (µmho/cm)                                     | 318            | 420                            | 440                            | 430                            |
| Total Dissolved Solids Calculated from Conductivity (mg/L) | --             | 206                            | 215                            | 210                            |
| Dissolved Oxygen (mg/L)                                    | 6.9            | 8.3                            | 8.4                            | 9.3                            |
| Ammonia as N (mg NH <sub>3</sub> /L)                       | --             | 0.01                           | 0.08                           | 0.03                           |
| Un-ionized Ammonia (mg NH <sub>3</sub> /L)                 | --             | <0.10                          | <0.10                          | <0.10                          |
| Total Residual Chlorine (mg/L)                             | --             | <0.02                          | <0.02                          | <0.02                          |

## References

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Colorado Department of Public Health and Environment (CDPHE). 1998. Water Quality Control Division. Laboratory guidelines for conducting whole effluent toxicity tests. Denver, Colorado.

Tidepool Scientific Software. 2000-2018. CETIS - Comprehensive Environmental Toxicity Information System. V1.9.5.5. McKinleyville, CA.

U.S. Environmental Protection Agency (EPA). 2002. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. EPA-821-R-02-013. Office of Water, Washington D.C.

# Appendix A

---

Colorado CDPS WET test report forms

# COLORADO – CDPS WET TEST REPORT FORM – CHRONIC

PERMITEE NAME: Ouray Silver Mines Inc.

CDPS NO: CO-0000003

OUTFALL: 002A

TYPE TEST: ROUTINE ☒

ACCELERATED

TEST SPECIES: Ceriodaphnia dubia

Test Results:

Lethality

Growth

Reproduction

|                             |       |    |       |
|-----------------------------|-------|----|-------|
| CONC. WITH STAT. DIFFERENCE | >100% | NA | >100% |
| PASS/FAIL                   | PASS  | NA | PASS  |
| NOEC                        | 100%  | NA | 100%  |
| PASS/FAIL                   | PASS  | NA | PASS  |
| IC <sub>25</sub>            | >100% | NA | >100% |
| PASS/FAIL                   | PASS  | NA | PASS  |

STAT. METHOD USED: STATISTICAL DIFF.:

NOEC, LC<sub>50</sub>

IC<sub>25</sub>

ICp METHOD

TEST DATE/TIME: START

3/16/22 14:05

END

3/22/22 13:05

## DILUTIONS (%EFFLUENT)

|                        | CONTROL | 23%     | 45%     | 89%     | 95%     | 100%    |
|------------------------|---------|---------|---------|---------|---------|---------|
| % SURVIVAL FOR DAY: 1  | 100     | 100     | 100     | 100     | 100     | 100     |
| 2                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 3                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 4                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 5                      | 100     | 100     | 90      | 100     | 100     | 100     |
| 6                      | 100     | 100     | 90      | 100     | 100     | 100     |
| MEAN 3 BROOD TOTAL:    | 43.3    | 42.5    | 36.6    | 44.6    | 42.5    | 42.3    |
| 7 DAY MEAN DRY WEIGHT: |         |         |         |         |         |         |
| pH MAX/MIN:            | 8.2/8.2 | 8.3/8.2 | 8.3/8.2 | 8.3/8.2 | 8.4/8.2 | 8.4/8.3 |

MEAN HARDNESS (mg/L) RECEIVING WATER: NA EFFLUENT: 198 RECON WATER: 98

MEAN ALKALINITY (mg/L) RECEIVING WATER: NA EFFLUENT: 72 RECON WATER: 62

MEAN T. AMMONIA as N (mg/L) INITIAL EFFLUENT: 0.04 FINAL EFFLUENT: NA

MEAN T. RESIDUAL CHLORINE (mg/L) 100%: <0.02 RECEIVING WATER USED FOR DILUTIONS? (Y/N) N

WERE ALL TEST CONDITIONS IN CONFORMANCE WITH DIVISION GUIDELINES? (Y/N) Y

IF NO, LIST DEVIATIONS FROM TEST SPECIFICATIONS:

ANALYST: Michael Hendricks

SIGNATURE: 

LABORATORY: GEI Consultants, Inc./Ecological Division

DATE: 4/8/22

COMMENTS:

# COLORADO – CDPS WET TEST REPORT FORM – CHRONIC

 PERMITEE NAME: Ouray Silver Mines Inc.

 CDPS NO: CO-0000003

 OUTFALL: 002A

 TYPE TEST: ROUTINE ☒

ACCELERATED

 TEST SPECIES: Pimephales promelas

Test Results:

Lethality

Growth

Reproduction

|                             |       |       |    |
|-----------------------------|-------|-------|----|
| CONC. WITH STAT. DIFFERENCE | >100% | >100% | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |
| NOEC                        | 100%  | 100%  | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |
| IC <sub>25</sub>            | >100% | >100% | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |

STAT. METHOD USED: STATISTICAL DIFF.:

NOEC, LC<sub>50</sub>
IC<sub>25</sub>
ICp METHOD

 TEST DATE/TIME: START
3/16/22 17:15
END
3/23/22 16:20

## DILUTIONS (%EFFLUENT)

|                        | CONTROL | 23%     | 45%     | 89%     | 95%     | 100%    |
|------------------------|---------|---------|---------|---------|---------|---------|
| % SURVIVAL FOR DAY: 1  | 100     | 100     | 100     | 100     | 100     | 100     |
| 2                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 3                      | 100     | 100     | 100     | 100     | 100     | 97.5    |
| 4                      | 100     | 100     | 97.5    | 100     | 100     | 97.5    |
| 5                      | 100     | 100     | 97.5    | 100     | 100     | 97.5    |
| 6                      | 100     | 100     | 97.5    | 100     | 100     | 97.5    |
| 7                      | 100     | 100     | 97.5    | 100     | 100     | 97.5    |
| MEAN 3 BROOD TOTAL:    |         |         |         |         |         |         |
| 7 DAY MEAN DRY WEIGHT: | 0.352   | 0.318   | 0.316   | 0.315   | 0.312   | 0.344   |
| pH MAX/MIN:            | 8.1/8.0 | 8.1/8.0 | 8.1/8.0 | 8.1/8.0 | 8.1/8.0 | 8.1/8.1 |

 MEAN HARDNESS (mg/L) RECEIVING WATER: NA EFFLUENT: 198 RECON WATER: 98

 MEAN ALKALINITY (mg/L) RECEIVING WATER: NA EFFLUENT: 72 RECON WATER: 62

 MEAN T. AMMONIA as N (mg/L) INITIAL EFFLUENT: 0.04 FINAL EFFLUENT: NA

 MEAN T. RESIDUAL CHLORINE (mg/L) 100%: <0.02 RECEIVING WATER USED FOR DILUTIONS? (Y/N) N

 WERE ALL TEST CONDITIONS IN CONFORMANCE WITH DIVISION GUIDELINES? (Y/N) Y

IF NO, LIST DEVIATIONS FROM TEST SPECIFICATIONS:

 ANALYST: Michael Hendricks

SIGNATURE:



 LABORATORY: GEI Consultants, Inc./Ecological Division

DATE:

4/8/22

 COMMENTS: The temperature in the test differed by 3.6°C.



## **Appendix B**

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**Chain-of-custody forms and laboratory bench sheets from whole effluent toxicity tests**

**GEI Consultants, Inc./Ecological Division**

4601 DTC BLVD., SUITE L100

DENVER, CO 80237

Main: (303) 662-0100 Lab: (303) 264-1120

**BIOASSAY LABORATORY CHAIN-OF-CUSTODY**

(GEI Use) Log Number

05322-002A-1

|                                                                                                                                                                                                                            |                                                                             |                                                                                                                                                                                                                                            |                                |                                                                                                  |                                           |                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------|
| CLIENT/PROJECT <u>Quay Silver Mines Inc.</u><br>ADDRESS <u>PO Box 564</u><br>CITY <u>Quay</u> STATE <u>CO</u> ZIP <u>81427</u><br>PHONE # <u>970-305-9830</u><br>PROJ. MANAGER <u>Todd Jesse</u> SAMPLER <u>Todd Jesse</u> |                                                                             | <b>TESTS REQUIRED</b><br>ACUTE: <input type="checkbox"/> CHRONIC: <input type="checkbox"/><br>C E R I O F A D T R C F A L D<br>O A A P R E T A G A<br>I H H N U I H A P A<br>D E E I A A H H N I A                                         |                                | <b>CHLORINE</b><br>Measured by: _____<br>Client _____<br>Lab <input checked="" type="checkbox"/> |                                           |                                        |
| SAMPLE TYPE/SITE<br><u>05002A</u>                                                                                                                                                                                          | Composite <input type="checkbox"/> Grab <input checked="" type="checkbox"/> | Date Collected<br><u>3/14/22</u>                                                                                                                                                                                                           | Time Collected<br><u>12:50</u> | TRC (mg/L)<br><u>&lt;0.02</u>                                                                    | Date/Time Measured<br><u>3/16/22 1005</u> | COMMENTS:                              |
| <b>PROJECT INFORMATION</b>                                                                                                                                                                                                 |                                                                             | <b>LABORATORY RECEIVING INFORMATION</b>                                                                                                                                                                                                    |                                | <b>CLIENT RELINQUISHED BY:</b> <u>Todd Jesse</u>                                                 |                                           | <b>DATE/TIME:</b> <u>3/14/22 13:00</u> |
| CLIENT DROP OFF: <input type="checkbox"/><br>COURIER: _____<br>UPS <input type="checkbox"/> FEDEX <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>                                                       |                                                                             | CONDITION OF SAMPLE ON RECEIPT: <u>Good</u><br>CUSTODY SEAL INTACT?: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>                                                                      |                                | <b>LABORATORY RECEIVED BY:</b> <u>Todd Jesse</u>                                                 |                                           | <b>DATE/TIME:</b> <u>3/16/22 1005</u>  |
| TOTAL NUMBER OF CONTAINERS:<br><u>3</u>                                                                                                                                                                                    |                                                                             | TEMPERATURE (°C): <u>5.0</u><br>TEMPERATURE IN RANGE (0-6°C): YES <input checked="" type="checkbox"/> NO <input type="checkbox"/><br>IF NOT IN RANGE, SAMPLED SAME DAY, TEMP OK?: YES <input type="checkbox"/> NO <input type="checkbox"/> |                                | <b>LABORATORY RECEIVED BY:</b> <u>Todd Jesse</u>                                                 |                                           | <b>DATE/TIME:</b> <u>3/16/22 1005</u>  |
| COMMENTS:                                                                                                                                                                                                                  |                                                                             |                                                                                                                                                                                                                                            |                                |                                                                                                  |                                           |                                        |

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

05322-002 A-1

[illegible]

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number 05322-2002A-2

[illegible]

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number 05322-207A-2

[illegible]

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number 05022-002A-3

[illegible]

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number 05322-002A-3

|                                                      |  |                                                                                                                        |  |                                                                                                   |  |                                                                                                       |  |                                                           |  |
|------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------|--|
| CLIENT/PROJECT <u>Ouray Silver Mines Inc</u>         |  | ADDRESS <u>PO Box 564</u>                                                                                              |  | CITY <u>Ouray</u> STATE <u>CO</u> ZIP <u>81407</u>                                                |  | PHONE # <u>970 325 9830</u> (cell <u>720 469 7557</u> )                                               |  | PROJ. MANAGER <u>Todd Tesse</u> SAMPLER <u>Todd Tesse</u> |  |
| PROJECT INFORMATION                                  |  | LABORATORY RECEIVING INFORMATION                                                                                       |  | TESTS REQUIRED                                                                                    |  | CHLORINE                                                                                              |  |                                                           |  |
| CLIENT DROP OFF: <input type="checkbox"/>            |  | CONDITION OF SAMPLE ON RECEIPT:                                                                                        |  | ACUTE                                                                                             |  | CHRONIC                                                                                               |  | Measured by:<br>Client                                    |  |
| COURIER:                                             |  | CUSTODY SEAL INTACT?: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> |  | F A T R C F A A D                                                                                 |  | D A P H A N I A                                                                                       |  | Lab <input checked="" type="checkbox"/>                   |  |
| TOTAL NUMBER OF CONTAINERS: <u>3</u>                 |  | TEMPERATURE (°C): <u>2.0</u>                                                                                           |  | TEMPERATURE IN RANGE (0-6°C): YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |  | IF NOT IN RANGE, SAMPLED SAME DAY, TEMP OK?: YES <input type="checkbox"/> NO <input type="checkbox"/> |  |                                                           |  |
| COMMENTS:                                            |  | LABORATORY RECEIVED BY: <u>[Signature]</u>                                                                             |  | DATE/TIME: <u>3/18/22</u> <u>12:30</u>                                                            |  |                                                                                                       |  |                                                           |  |
| copy of report to environmental@ouraysilvermines.com |  | DATE/TIME: <u>3/19/22</u> <u>1050</u>                                                                                  |  |                                                                                                   |  |                                                                                                       |  |                                                           |  |

1300 Blue Spruce Drive, Suite C  
Fort Collins, Colorado 80524



Toll Free: 800/331-5916  
Tel: 970/484-5091 Fax: 970/484-2514

05322-002A

### ORGANISM HISTORY

DATE: 3/16/2022

SPECIES: *Pimephales promelas*

AGE: N/A

LIFE STAGE: Embryo

HATCH DATE: 3/16/2022

BEGAN FEEDING: N/A

FOOD: N/A

### Water Chemistry Record:

|                                           | Current  | Range |
|-------------------------------------------|----------|-------|
| TEMPERATURE:                              | 23°C     | --    |
| SALINITY/CONDUCTIVITY:                    | --       | --    |
| TOTAL HARDNESS (as CaCO <sub>3</sub> ):   | 116 mg/l | --    |
| TOTAL ALKALINITY (as CaCO <sub>3</sub> ): | 85 mg/l  | --    |
| pH:                                       | 7.92     | --    |

### Comments:

Facility Supervisor



# INITIAL CHEMISTRY BENCH SHEET

Client/Project: Ourray / OS322 - 002A

Samples Received: Date/Time 3/16/22

1005

Test Substance: Effluent 002A

What test/s will samples be used in?

Ch C/F

Dilution Water lab water or receiving water

| SAMPLE TYPE<br>LOG NUMBER<br>DATE COLLECTED | DATE/TIME<br>ANALYZED | DATES USED         | ANALYSES<br>TEMP.<br>(°C) | TOTAL<br>HARDNESS<br>(mg/L) | pH<br>(SU) | TOTAL<br>ALKALINITY<br>(mg/L) | D.O.<br>(mg/L) | COND.<br>(µs) | TDS<br>CALCULATED<br>FROM COND.<br>(mg/L) | TRC<br>(mg/L) | AMMONIA<br>AS N<br>(mg/L) | METER<br>USED | ANALYST |
|---------------------------------------------|-----------------------|--------------------|---------------------------|-----------------------------|------------|-------------------------------|----------------|---------------|-------------------------------------------|---------------|---------------------------|---------------|---------|
| Effluent<br>OS322-1<br>3/14/22              | 3/16/22<br>1155       | 3/16/22            | 25.0                      | 10.0/200                    | 7.7        | 3.6/72                        | 8.3            | 420           | 206                                       | <0.02         | 0.013                     | 1             | TC      |
| Effluent<br>OS322-2<br>3/16/22              | 3/17/22<br>1005       | 3/17/22<br>3/18/22 | 25.0                      | 4.8/196                     | 7.6        | 3.6/72                        | 8.4            | 440           | 215                                       | <0.02         | 0.08                      | 1             | JMS     |
| Effluent<br>OS322-3<br>3/18/22              | 3/19/22<br>940        | 3/19/22<br>3/22/22 | 25.0                      | 9.9/198                     | 7.6        | 3.6/72                        | 9.3            | 430           | 210                                       | <0.02         | 0.03                      | 1             | dl      |
| AVERAGE VALUE                               |                       |                    | 25.0                      | 198                         | 7.6        | 72                            | 8.7            | 430           | 210                                       | <0.02         | 0.04                      |               |         |

| Site<br>Daily Measurements | Day 0  | Day 1  | Day 2  | Day 3  | Day 4  | Day 5  | Day 6  | Day 7 |  |  |  |  |  |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|-------|--|--|--|--|--|
| pH/initials                | 7.7/HE | 7.6/MS | 7.5/TE | 7.6/MS | 7.5/MS | 7.8/MS | 7.8/HE |       |  |  |  |  |  |
| pH/initials                |        |        |        |        |        |        |        |       |  |  |  |  |  |
| pH/initials                |        |        |        |        |        |        |        |       |  |  |  |  |  |
| pH/initials                |        |        |        |        |        |        |        |       |  |  |  |  |  |

COMMENTS:

Samples stored in refrigerator: N

Data Checked and Approved by Laboratory Manager (Initials): AK

# RECONSTITUTED SYNTHETIC LABORATORY WATER CHEMISTRY BENCH SHEET

Client/Project: Ouray /OS322 - 002A

Test Substance: Effluent 002A

Analyst: mt

What test/s will  
samples be used in? Ch C/F

Test/s Start Date: 3/16/22

| BATCH #       | ANALYSES<br>TEMP.<br>(°C) | TOTAL<br>HARDNESS<br>(mg/L) | pH<br>(SU) | TOTAL<br>ALKALINITY<br>(mg/L) | D.O.<br>(mg/L) | COND.<br>(µS) |
|---------------|---------------------------|-----------------------------|------------|-------------------------------|----------------|---------------|
| MH063         | 25.0                      | 98                          | 8.1        | 62                            | 6.9            | 318           |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
| AVERAGE VALUE | 25.0                      | 98                          | 8.1        | 62                            | 6.9            | 318           |

COMMENTS:

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AK

# CHRONIC TOXICITY CHEMISTRY BENCH SHEET

 START Date: 3/16/22

 FINISH Date: 3/22/22

 Dilution Water: MH Recon

 Test Substance: Effluent 002A

 Client/Project: Ouray /OS322 - 002A

 Organism: C. dubia

| Test Conc.                 | Chemical Parameter | Day of Test |      |      |      |      |      |   |  | COMMENTS                   |
|----------------------------|--------------------|-------------|------|------|------|------|------|---|--|----------------------------|
|                            |                    | 1           | 2    | 3    | 4    | 5    | 6    | 7 |  |                            |
| 0                          | DO (mg/L)          | 6.9         | 7.1  | 6.9  | 6.4  | 6.7  | *    |   |  | *Tech Error - Not Recorded |
|                            | Cond. (µS)         | 370         | 369  | 372  | 394  | 387  | *    |   |  |                            |
|                            | pH                 | 8.2         | 8.2  | 8.2  | 8.2  | 8.2  | *    |   |  |                            |
|                            | Temp. (°C)         | 25.1        | 24.8 | 24.3 | 23.9 | 24.6 | 24.7 |   |  |                            |
| 23                         | DO (mg/L)          | 6.9         | 7.0  | 6.8  | 6.5  | 6.7  | *    |   |  |                            |
|                            | Cond. (µS)         | 390         | 392  | 377  | 403  | 405  | *    |   |  |                            |
|                            | pH                 | 8.3         | 8.3  | 8.2  | 8.2  | 8.3  | *    |   |  |                            |
|                            | Temp. (°C)         | 25.7        | 25.0 | 25.1 | 23.7 | 25.0 | 24.1 |   |  |                            |
| 45                         | DO (mg/L)          | 6.9         | 7.0  | 6.8  | 6.5  | 6.6  | *    |   |  |                            |
|                            | Cond. (µS)         | 427         | 426  | 413  | 427  | 426  | *    |   |  |                            |
|                            | pH                 | 8.3         | 8.3  | 8.3  | 8.2  | 8.3  | *    |   |  |                            |
|                            | Temp. (°C)         | 25.4        | 24.7 | 25.4 | 23.7 | 25.2 | 24.0 |   |  |                            |
| 89                         | DO (mg/L)          | 6.9         | 7.0  | 6.8  | 6.5  | 6.6  | *    |   |  |                            |
|                            | Cond. (µS)         | 471         | 458  | 456  | 475  | 463  | *    |   |  |                            |
|                            | pH                 | 8.3         | 8.3  | 8.3  | 8.2  | 8.3  | *    |   |  |                            |
|                            | Temp. (°C)         | 25.3        | 23.8 | 25.0 | 23.6 | 24.3 | 24.6 |   |  |                            |
| 95                         | DO (mg/L)          | 6.9         | 7.1  | 6.8  | 6.5  | 6.7  | *    |   |  |                            |
|                            | Cond. (µS)         | 468         | 467  | 451  | 470  | 461  | *    |   |  |                            |
|                            | pH                 | 8.4         | 8.3  | 8.3  | 8.2  | 8.3  | *    |   |  |                            |
|                            | Temp. (°C)         | 25.1        | 25.5 | 24.8 | 24.1 | 24.7 | 24.0 |   |  |                            |
| 100                        | DO (mg/L)          | 6.9         | 7.1  | 6.8  | 6.5  | 6.7  | *    |   |  |                            |
|                            | Cond. (µS)         | 474         | 485  | 470  | 488  | 470  | *    |   |  |                            |
|                            | pH                 | 8.4         | 8.3  | 8.3  | 8.3  | 8.3  | *    |   |  |                            |
|                            | Temp. (°C)         | 25.4        | 23.1 | 25.0 | 23.7 | 24.1 | 23.2 |   |  |                            |
| Incubator Temperature (°C) |                    | 26.5        | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 |   |  | Max: 27.0                  |
| Analyst                    |                    | MH          | TE   | AL   | IN   | JMS  | AKH  |   |  | Min: 23.1                  |
| Time Analyzed              |                    | 1340        | 1315 | 1455 | 1605 | 1305 | 1330 |   |  | Range: 2.6                 |
| Environmental Chamber      |                    | W           | W    | W    | W    | W    | W    |   |  | Mean: 24.4 ± 1.3           |
| Meter Number               |                    | 1           | 1    | 1    | 1    | 1    | 1    |   |  |                            |

 Data Checked and Approved by Laboratory Manager (Initials): AKH

# CHRONIC TOXICITY CHEMISTRY BENCH SHEET

START Date: 3/16/22

FINISH Date: 3/23/22 *Heal*

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS322 - 002A

Organism: P. promelas

| Test Conc.                 | Chemical Parameter | Day of Test |      |      |      |      |      |      |  | COMMENTS         |
|----------------------------|--------------------|-------------|------|------|------|------|------|------|--|------------------|
|                            |                    | 1           | 2    | 3    | 4    | 5    | 6    | 7    |  |                  |
| 0                          | DO (mg/L)          | 6.4         | 6.4  | 6.1  | 6.3  | 6.7  | 6.4  | 6.5  |  |                  |
|                            | Cond. (µS)         | 359         | 353  | 364  | 368  | 376  | 368  | 381  |  |                  |
|                            | pH                 | 8.1         | 8.1  | 8.0  | 8.1  | 8.1  | 8.1  | 8.1  |  |                  |
|                            | Temp. (°C)         | 23.9        | 26.0 | 25.6 | 24.1 | 25.8 | 25.5 | 23.9 |  |                  |
| 23                         | DO (mg/L)          | 6.3         | 6.3  | 6.3  | 6.4  | 6.4  | 6.4  | 6.3  |  |                  |
|                            | Cond. (µS)         | 382         | 376  | 384  | 399  | 406  | 396  | 401  |  |                  |
|                            | pH                 | 8.1         | 8.1  | 8.0  | 8.1  | 8.1  | 8.1  | 8.1  |  |                  |
|                            | Temp. (°C)         | 24.7        | 24.5 | 23.2 | 23.9 | 24.5 | 25.2 | 23.9 |  |                  |
| 45                         | DO (mg/L)          | 6.3         | 6.3  | 6.2  | 6.4  | 6.4  | 6.3  | 6.3  |  |                  |
|                            | Cond. (µS)         | 403         | 396  | 401  | 408  | 411  | 413  | 417  |  |                  |
|                            | pH                 | 8.1         | 8.1  | 8.0  | 8.1  | 8.1  | 8.1  | 8.1  |  |                  |
|                            | Temp. (°C)         | 23.8        | 24.7 | 25.7 | 24.8 | 24.0 | 23.4 | 23.1 |  |                  |
| 89                         | DO (mg/L)          | 6.3         | 6.2  | 6.2  | 6.3  | 6.2  | 6.2  | 6.3  |  |                  |
|                            | Cond. (µS)         | 437         | 428  | 430  | 441  | 442  | 435  | 449  |  |                  |
|                            | pH                 | 8.1         | 8.1  | 8.0  | 8.1  | 8.1  | 8.1  | 8.1  |  |                  |
|                            | Temp. (°C)         | 25.0        | 26.5 | 23.6 | 25.0 | 25.0 | 25.6 | 23.6 |  |                  |
| 95                         | DO (mg/L)          | 6.3         | 6.2  | 6.2  | 6.2  | 6.2  | 6.2  | 6.4  |  |                  |
|                            | Cond. (µS)         | 445         | 435  | 437  | 455  | 451  | 442  | 456  |  |                  |
|                            | pH                 | 8.1         | 8.1  | 8.0  | 8.1  | 8.1  | 8.1  | 8.1  |  |                  |
|                            | Temp. (°C)         | 24.4        | 26.7 | 25.6 | 24.2 | 24.6 | 25.9 | 24.6 |  |                  |
| 100                        | DO (mg/L)          | 6.3         | 6.1  | 6.2  | 6.2  | 6.2  | 6.2  | 6.3  |  |                  |
|                            | Cond. (µS)         | 447         | 438  | 441  | 462  | 463  | 454  | 457  |  |                  |
|                            | pH                 | 8.1         | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  | 8.1  |  |                  |
|                            | Temp. (°C)         | 24.4        | 26.1 | 26.2 | 24.4 | 24.1 | 25.2 | 23.4 |  |                  |
| Incubator Temperature (°C) |                    | 26.0        | 26.0 | 26.0 | 26.5 | 26.0 | 26.0 | 25.5 |  | Max: 26.7        |
| Analyst                    |                    | ISM         | TE   | ISM  | MV   | MV   | AL   | AL   |  | Min: 23.1        |
| Time Analyzed              |                    | 1305        | 1405 | 1545 | 1605 | 1110 | 930  | 1615 |  | Range: 3.6       |
| Environmental Chamber      |                    | ✓           | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |  | Mean: 24.9 ± 1.8 |
| Meter Number               |                    | 1           | 1    | 1    | 1    | 1    | 1    | 1    |  |                  |

Data Checked and Approved by Laboratory Manager (Initials): AR

CERIODAPHNIA DUBIA 3-BROOD CHRONIC TOXICITY TEST BENCH SHEET

PAGE 1/2

START Date/Time: 3/16/22 1405

FINISH Date/Time: 3/22/22 1305

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS322 - 002A

Begun By: *mw*

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | Time<br>Renewed<br>and Fed | NOTES:               |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|----------------------------|----------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |                            |                      |
| 0      | 1   | 0         | —  | —  | —  | —  | —  | —  | —  | —  | 0  | 7.2            | MH      | 1255                       |                      |
|        | 2   | 0         | —  | —  | —  | —  | —  | —  | —  | —  | 0  | 7.0            | TE      | 1245                       |                      |
|        | 3   | 6         | 7  | 4  | 0  | 6  | 5  | 6  | 7  | 2  | 4  | 7.6            | AL      | 1415                       |                      |
|        | 4   | 0         | —  | 0  | 9  | 0  | —  | —  | 0  | 0  | 0  | 7.2            | MY      | 1520                       |                      |
|        | 5   | 12        | 16 | 14 | 16 | 17 | 20 | 17 | 17 | 17 | 15 | 6.8            | JMS     | 1210                       |                      |
|        | 6   | 20        | 26 | 23 | 0  | 23 | 22 | 22 | 23 | 22 | 25 | 7.1            | AL      | 1305                       |                      |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         |                            |                      |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         |                            |                      |
| TOTALS |     | 38        | 49 | 41 | 25 | 46 | 51 | 45 | 47 | 47 | 44 |                |         |                            |                      |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         | Summarized Results:        |                      |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         | # live adults              | mean reprod. ± S.D.  |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         | 10                         | 43.3 ± 7.4           |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         |                            | norm. reprod. ± S.D. |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         |                            | 43.3 ± 7.4           |

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | NOTES: |               |                                |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|--------|---------------|--------------------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |        |               |                                |
| 23     | 1   | 0         | —  | —  | —  | —  | —  | —  | —  | —  | 0  | 7.3            | MH      |        |               |                                |
|        | 2   | 0         | —  | —  | —  | —  | —  | —  | —  | —  | 0  | 7.8            | TE      |        |               |                                |
|        | 3   | 7         | 7  | 0  | 0  | 5  | 6  | 6  | 5  | 7  | 4  | 7.5            | al      |        |               |                                |
|        | 4   | 13        | 14 | 6  | 9  | 0  | —  | —  | —  | 0  | 8  | 7.3            | MY      |        |               |                                |
|        | 5   | 1         | 1  | 11 | 17 | 13 | 14 | 17 | 16 | 14 | 1  | 6.9            | JMS     |        |               |                                |
|        | 6   | 20        | 21 | 22 | 21 | 24 | 26 | 21 | 18 | 24 | 26 | 7.4            | CU      |        |               |                                |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         |        |               |                                |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         |        |               |                                |
| TOTALS |     | 41        | 43 | 39 | 47 | 42 | 46 | 44 | 39 | 45 | 39 |                |         |        | # live adults | normalized reproduction ± S.D. |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         | 10     | 42.5 ± 3.0    |                                |

| Conc.  | Day | Replicate |    |    |    |     |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | NOTES: |               |                                |
|--------|-----|-----------|----|----|----|-----|----|----|----|----|----|----------------|---------|--------|---------------|--------------------------------|
|        |     | A         | B  | C  | D  | E   | F  | G  | H  | I  | J  |                |         |        |               |                                |
| 45     | 1   | 0         |    |    |    |     |    |    |    |    | 0  | 7.6            | MH      |        |               |                                |
|        | 2   | 0         |    |    |    |     |    |    |    |    | 0  | 7.8            | TE      |        |               |                                |
|        | 3   | 6         | 5  | 5  | 0  | 6   | 4  | 6  | 6  | 4  | 2  | 7.5            | AL      |        |               |                                |
|        | 4   | 0         |    | 0  | 0  | 0   |    |    |    |    | 0  | 7.0            | M       |        |               |                                |
|        | 5   | 18        | 15 | 15 | 0  | 19  | 18 | 16 | 10 | 14 | 10 | 7.0            | JMS     |        |               |                                |
|        | 6   | 26        | 25 | 20 | 14 |     | 26 | 22 | 15 | 22 | 20 | 7.6            | AL      |        |               |                                |
|        | 7   |           |    |    |    |     |    |    |    |    |    |                |         |        |               |                                |
|        | 8   |           |    |    |    |     |    |    |    |    |    |                |         |        |               |                                |
| TOTALS |     | 50        | 45 | 40 | 20 | 160 | 48 | 44 | 31 | 40 | 32 |                |         |        | # live adults | normalized reproduction ± S.D. |
|        |     |           |    |    |    |     |    |    |    |    |    |                |         | 9      | 36.6 ± 11.6   |                                |

|            |         |    |    |    |    |    |    |    |     |    |
|------------|---------|----|----|----|----|----|----|----|-----|----|
| Board Used | 37B Cup |    |    |    |    |    |    |    | 37A |    |
|            | 15      | 17 | 29 | 35 | 43 | 45 | 53 | 57 | 45  | 51 |

|                              |         |      |
|------------------------------|---------|------|
| Date/time adults isolated    | 3/15/22 | 1105 |
| Date/time neonates harvested | 3/15/22 | 2130 |

Δ - Dead/undeveloped neonates; number not recorded. \* - Fourth brood excluded from total.

Data used for Statistical Analyses: 6 Day 7 Day 8 Day

Template number 3

Data Checked and Approved by Laboratory Manager (Initials): *AN*

START Date/Time: 3/16/22 1405

FINISH Date/Time: 3/22/22 1305

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS322 - 002A

Begun By: *mw*

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | Time<br>Renewed<br>and Fed | NOTES:              |                                    |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|----------------------------|---------------------|------------------------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |                            |                     |                                    |
| 89     | 1   | 0         |    |    |    |    |    |    |    |    | 0  | 8.0            | mw      | 1255                       |                     |                                    |
|        | 2   | 0         |    |    |    |    |    |    |    |    | 0  | 8.0            | TE      | 1245                       |                     |                                    |
|        | 3   | 5         | 4  | 6  | 0  | 6  | 6  | 8  | 4  | 7  | 7  | 7.5            | AL      | 1415                       |                     |                                    |
|        | 4   | 0         |    | 0  | 9  | 0  |    |    |    |    | 0  | 7.7            | mw      | 1530                       |                     |                                    |
|        | 5   | 12        | 14 | 15 | 18 | 17 | 18 | 14 | 14 | 17 | 17 | 7.5            | JMS     | 1210                       |                     |                                    |
|        | 6   | 19        | 26 | 23 | 0  | 27 | 28 | 24 | 25 | 27 | 24 | 7.6            | AL      | 1305                       | Summarized Results: |                                    |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         |                            | # live adults       | normalized reproduction $\pm$ S.D. |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         |                            |                     |                                    |
| TOTALS |     | 36        | 49 | 44 | 27 | 50 | 52 | 46 | 43 | 51 | 48 |                |         |                            | 10                  | 44.6 $\pm$ 7.8                     |

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | NOTES:              |                                    |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|---------------------|------------------------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |                     |                                    |
| 95     | 1   | 0         |    |    |    |    |    |    |    |    | 0  | 8.4            | MH      |                     |                                    |
|        | 2   | 0         |    |    |    |    |    |    |    |    | 0  | 8.2            | TE      |                     |                                    |
|        | 3   | 6         | 8  | 0  | 3  | 7  | 5  | 5  | 7  | 5  | 7  | 7.3            | AL      |                     |                                    |
|        | 4   | 12        | 14 | 6  | 11 | 0  |    |    |    |    | 0  | 7.7            | mw      |                     |                                    |
|        | 5   | 0         | 0  | 15 | 17 | 14 | 15 | 11 | 17 | 19 | 17 | 7.4            | JMS     |                     |                                    |
|        | 6   | 20        | 22 | 23 | 0  | 17 | 26 | 24 | 26 | 28 | 18 | 7.2            | AL      | Summarized Results: |                                    |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         | # live adults       | normalized reproduction $\pm$ S.D. |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         |                     |                                    |
| TOTALS |     | 38        | 44 | 44 | 31 | 36 | 46 | 40 | 56 | 52 | 42 |                |         | 16                  | 42.5 $\pm$ 6.2                     |

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | NOTES:              |                                    |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|---------------------|------------------------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |                     |                                    |
| 100    | 1   | 0         |    |    |    |    |    |    |    |    | 0  | 8.6            | MH      |                     |                                    |
|        | 2   | 0         |    |    |    |    |    |    |    |    | 0  | 8.2            | TE      |                     |                                    |
|        | 3   | 5         | 7  | 5  | 0  | 6  | 6  | 5  | 4  | 6  | 7  | 8.1            | AL      |                     |                                    |
|        | 4   | 0         |    | 0  | 8  | 0  |    |    |    |    | 0  | 8.1            | mw      |                     |                                    |
|        | 5   | 14        | 13 | 17 | 16 | 14 | 16 | 16 | 18 | 16 | 1  | 7.9            | JMS     |                     |                                    |
|        | 6   | 23        | 27 | 22 | 4  | 28 | 27 | 23 | 22 | 22 | 25 | 7.8            | AL      | Summarized Results: |                                    |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         | # live adults       | normalized reproduction $\pm$ S.D. |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         |                     |                                    |
| TOTALS |     | 42        | 47 | 44 | 28 | 48 | 49 | 44 | 44 | 44 | 33 |                |         | 10                  | 42.3 $\pm$ 6.7                     |

|            |          |    |    |    |    |    |    |    |      |    |
|------------|----------|----|----|----|----|----|----|----|------|----|
| Board Used | 3/7B Cup |    |    |    |    |    |    |    | 3/7A |    |
|            | 15       | 17 | 29 | 35 | 43 | 45 | 53 | 57 | 45   | 51 |

|                              |         |      |
|------------------------------|---------|------|
| Date/time adults isolated    | 3/15/22 | 1105 |
| Date/time neonates harvested | 3/15/22 | 2130 |

Δ - Dead/undeveloped neonates; number not recorded.

\* - Fourth brood excluded from total.

Data used for Statistical Analyses: 6 Day 7 Day 8 Day

Template number 3

Data Checked and Approved by Laboratory Manager (Initials): *AK*



# FATHEAD MINNOW 7-DAY CHRONIC TOXICITY TEST BENCH SHEET

START Date/Time: 3/16/22 1715

FINISH Date/Time: 3/23/22 1620

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS322 - 002A

Begun By: AL

| CONCENTRATION &<br>REPLICATE |   | Number alive/day of test |      |      |                                                        |      |      |      |       | #alive/<br># exposed<br>(% survival) | COMMENTS |
|------------------------------|---|--------------------------|------|------|--------------------------------------------------------|------|------|------|-------|--------------------------------------|----------|
|                              |   | Start                    | 1    | 2    | 3                                                      | 4    | 5    | 6    | 7     |                                      |          |
| 0                            | A | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    | 40/40<br><br>100%                    |          |
|                              | B | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | C | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | D | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
| 23                           | A | 10                       | 10   | 10   | <del>9</del> <sub>10</sub> <del>10</del> <sub>10</sub> | 10   | 10   | 10   | 10    | 40/40<br><br>100%                    |          |
|                              | B | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | C | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | D | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
| 45                           | A | 10                       | 10   | 10   | 10                                                     | 9    | 9    | 9    | 9     | 39/40<br><br>97.5%                   |          |
|                              | B | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | C | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | D | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
| 89                           | A | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    | 40/40<br><br>100%                    |          |
|                              | B | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | C | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | D | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
| 95                           | A | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    | 40/40<br><br>100%                    |          |
|                              | B | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | C | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | D | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
| 100                          | A | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    | 39/40<br><br>97.5%                   |          |
|                              | B | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | C | 10                       | 10   | 10   | 10                                                     | 10   | 10   | 10   | 10    |                                      |          |
|                              | D | 10                       | 10   | 10   | 9                                                      | 9    | 9    | 9    | 9     |                                      |          |
| ANALYST                      |   | AL                       | ISM  | TE   | ISM                                                    | BT   | M    | AL   | AL    |                                      |          |
| TIME FED AM                  |   | —                        | 740  | 730  | 705                                                    | 715  | 710  | 720  | —     |                                      |          |
| TIME FED PM                  |   | 1745                     | 1545 | 1606 | 1630                                                   | 1600 | 1630 | 1530 | —     |                                      |          |
| TIME RENEWED                 |   | 1715                     | 1315 | 1410 | 1500                                                   | 1530 | 1115 | 935  | 41620 |                                      |          |

Template Number 3

Data Checked and Approved by Laboratory Manager (Initials): AK

# FATHEAD MINNOW 7-DAY CHRONIC TOXICITY WEIGHT BENCH SHEET

DRYING START Date/Time: 3/23/22 1710 Temp. 65.0 °C END Date/Time: 3/24/22 1710 Temp. 60.0 °C

Client/Project: Ouray /OS322 - 002A

Analyst: AK

| CONTROLS & REPLICATE      |   | Larvae Wt. (g.) | # FISH          |     | MEAN WT<br>Weight/Surviving Fish/Rep<br>(mg) | MEAN WT<br>Mean Weight/Surv. Fish<br>(mg) ± SD | GROWTH<br>Weight/Fish Exposed/Rep<br>(mg.)   | GROWTH<br>Mean Wt/fish exp (mg) ±<br>SD |
|---------------------------|---|-----------------|-----------------|-----|----------------------------------------------|------------------------------------------------|----------------------------------------------|-----------------------------------------|
|                           |   |                 | BEGIN           | END |                                              |                                                |                                              |                                         |
| 0                         | A | 0.00331         | 10              | 10  | 0.331                                        | 0.352 ±<br>0.033                               | 0.331<br>0.401<br>0.347<br>0.330             | 0.352 ±<br>0.033                        |
|                           | B | 0.00401         | 10              | 10  | 0.401                                        |                                                |                                              |                                         |
|                           | C | 0.00347         | 10              | 10  | 0.347                                        |                                                |                                              |                                         |
|                           | D | 0.00330         | 10              | 10  | 0.330                                        |                                                |                                              |                                         |
|                           | A |                 |                 |     |                                              |                                                |                                              |                                         |
|                           | B |                 |                 |     |                                              |                                                |                                              |                                         |
|                           | C |                 |                 |     |                                              |                                                |                                              |                                         |
|                           | D |                 |                 |     |                                              |                                                |                                              |                                         |
| CONCENTRATION & REPLICATE |   | Larvae Wt. (g.) | # Fish<br>Begin |     | GROWTH<br>Weight/Fish Exposed/Rep (mg.)      |                                                | GROWTH<br>Mean Weight/Fish Exposed (mg) ± SD |                                         |
| 23                        | A | 0.00348         | 10              |     | 0.348                                        | 0.318 ± 0.041                                  |                                              |                                         |
|                           | B | 0.00359         | 10              |     | 0.359                                        |                                                |                                              |                                         |
|                           | C | 0.00286         | 10              |     | 0.286                                        |                                                |                                              |                                         |
|                           | D | 0.00280         | 10              |     | 0.280                                        |                                                |                                              |                                         |
| 45                        | A | 0.00282         | 10              |     | 0.282                                        | 0.316 ± 0.029                                  |                                              |                                         |
|                           | B | 0.00352         | 10              |     | 0.352                                        |                                                |                                              |                                         |
|                           | C | 0.00317         | 10              |     | 0.317                                        |                                                |                                              |                                         |
|                           | D | 0.00311         | 10              |     | 0.311                                        |                                                |                                              |                                         |
| 89                        | A | 0.00309         | 10              |     | 0.309                                        | 0.315 ± 0.007                                  |                                              |                                         |
|                           | B | 0.00314         | 10              |     | 0.314                                        |                                                |                                              |                                         |
|                           | C | 0.00312         | 10              |     | 0.312                                        |                                                |                                              |                                         |
|                           | D | 0.00325         | 10              |     | 0.325                                        |                                                |                                              |                                         |
| 95                        | A | 0.00279         | 10              |     | 0.279                                        | 0.312 ± 0.034                                  |                                              |                                         |
|                           | B | 0.00315         | 10              |     | 0.315                                        |                                                |                                              |                                         |
|                           | C | 0.00358         | 10              |     | 0.358                                        |                                                |                                              |                                         |
|                           | D | 0.00295         | 10              |     | 0.295                                        |                                                |                                              |                                         |
| 100                       | A | 0.00361         | 10              |     | 0.361                                        | 0.344 ± 0.036                                  |                                              |                                         |
|                           | B | 0.00387         | 10              |     | 0.387                                        |                                                |                                              |                                         |
|                           | C | 0.00315         | 10              |     | 0.315                                        |                                                |                                              |                                         |
|                           | D | 0.00313         | 10              |     | 0.313                                        |                                                |                                              |                                         |

Data Checked and Approved by Laboratory Manager (Initials): AK



# CETIS Summary Report

Report Date: 24 Mar-22 14:11 (p 1 of 1)  
Test Code/ID: 34572668 / 08-7812-6696

## Ceriodaphnia 7-d Survival and Reproduction Test

GEI Consultants, Inc

|                               |                                       |                                             |
|-------------------------------|---------------------------------------|---------------------------------------------|
| Batch ID: 20-8274-9914        | Test Type: Reproduction-Survival (7d) | Analyst:                                    |
| Start Date: 16 Mar-22 14:05   | Protocol: EPA/821/R-02-013 (2002)     | Diluent: Mod-Hard Synthetic Water           |
| Ending Date: 22 Mar-22 13:05  | Species: Ceriodaphnia dubia           | Brine:                                      |
| Test Length: 5d 23h           | Taxon: Branchiopoda                   | Source: In-House Culture Age:               |
| Sample ID: 16-6482-6365       | Code: OS322-002A                      | Project: WET Quarterly Compliance Test (1Q) |
| Sample Date: 14 Mar-22 12:30  | Material: Mining Effluent             | Source: NPDES Permit #CO-0000003            |
| Receipt Date: 16 Mar-22 10:05 | CAS (PC):                             | Station: 002A                               |
| Sample Age: 50h (5 °C)        | Client: Ouray Silver Mines            |                                             |

## Multiple Comparison Summary

| Analysis ID  | Endpoint         | Comparison Method                 | ✓ | NOEL | LOEL | TOEL | TU | PMSD  | S |
|--------------|------------------|-----------------------------------|---|------|------|------|----|-------|---|
| 11-8819-2720 | 6d Survival Rate | Fisher Exact/Bonferroni-Holm Test |   | 100  | >100 | n/a  | 1  | n/a   | 1 |
| 04-5852-8006 | Reproduction     | Steel Many-One Rank Sum Test      |   | 100  | >100 | n/a  | 1  | 17.9% | 1 |

## Point Estimate Summary

| Analysis ID  | Endpoint         | Point Estimate Method        | ✓ | Level | %    | 95% LCL | 95% UCL | TU | S |
|--------------|------------------|------------------------------|---|-------|------|---------|---------|----|---|
| 05-6245-4472 | 6d Survival Rate | Linear Interpolation (ICPIN) | ✓ | EC5   | >100 | n/a     | n/a     | <1 | 1 |
|              |                  |                              | ✓ | EC10  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC15  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC20  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC25  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC40  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC50  | >100 | n/a     | n/a     | <1 |   |
| 05-9702-4854 | Reproduction     | Linear Interpolation (ICPIN) | ✓ | IC5   | >100 | n/a     | n/a     | <1 | 1 |
|              |                  |                              | ✓ | IC10  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC15  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC20  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC25  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC40  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC50  | >100 | n/a     | n/a     | <1 |   |

## Test Acceptability

| Analysis ID  | Endpoint     | Attribute    | Test Stat | TAC Limits |       | Overlap | Decision        |
|--------------|--------------|--------------|-----------|------------|-------|---------|-----------------|
|              |              |              |           | Lower      | Upper |         |                 |
| 04-5852-8006 | Reproduction | Control Resp | 43.3      | 15         | >>    | Yes     | Passes Criteria |
| 05-9702-4854 | Reproduction | Control Resp | 43.3      | 15         | >>    | Yes     | Passes Criteria |
| 04-5852-8006 | Reproduction | PMSD         | 0.1785    | 0.13       | 0.47  | Yes     | Passes Criteria |

## 6d Survival Rate Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min    | Max    | Std Err | Std Dev | CV%    | %Effect |
|--------|------|-------|--------|---------|---------|--------|--------|---------|---------|--------|---------|
| 0      | D    | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00%  | 0.00%   |
| 23     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00%  | 0.00%   |
| 45     |      | 10    | 0.9000 | 0.6738  | 1.0000  | 0.0000 | 1.0000 | 0.1000  | 0.3162  | 35.14% | 10.00%  |
| 89     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00%  | 0.00%   |
| 95     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00%  | 0.00%   |
| 100    |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00%  | 0.00%   |

## Reproduction Summary

| Conc-% | Code | Count | Mean | 95% LCL | 95% UCL | Min | Max | Std Err | Std Dev | CV%    | %Effect |
|--------|------|-------|------|---------|---------|-----|-----|---------|---------|--------|---------|
| 0      | D    | 10    | 43.3 | 37.98   | 48.62   | 25  | 51  | 2.353   | 7.439   | 17.18% | 0.00%   |
| 23     |      | 10    | 42.5 | 40.36   | 44.64   | 39  | 47  | 0.9458  | 2.991   | 7.04%  | 1.85%   |
| 45     |      | 10    | 36.6 | 28.3    | 44.9    | 16  | 50  | 3.667   | 11.6    | 31.69% | 15.47%  |
| 89     |      | 10    | 44.6 | 39.04   | 50.16   | 27  | 52  | 2.459   | 7.777   | 17.44% | -3.00%  |
| 95     |      | 10    | 42.5 | 38.09   | 46.91   | 31  | 52  | 1.951   | 6.169   | 14.52% | 1.85%   |
| 100    |      | 10    | 42.3 | 37.52   | 47.08   | 28  | 49  | 2.114   | 6.684   | 15.80% | 2.31%   |

# CETIS Summary Report

Report Date: 31 Mar-22 14:55 (p 1 of 1)  
Test Code/ID: 226A6B04 / 05-7739-9556

## Fathead Minnow 7-d Larval Survival and Growth Test

GEI Consultants, Inc

|                               |                                   |                                             |
|-------------------------------|-----------------------------------|---------------------------------------------|
| Batch ID: 05-9809-3124        | Test Type: Growth-Survival (7d)   | Analyst:                                    |
| Start Date: 16 Mar-22 17:15   | Protocol: EPA/821/R-02-013 (2002) | Diluent: Mod-Hard Synthetic Water           |
| Ending Date: 23 Mar-22 16:20  | Species: Pimephales promelas      | Brine:                                      |
| Test Length: 6d 23h           | Taxon: Actinopterygii             | Source: Aquatic Biosystems, CO Age:         |
| Sample ID: 06-8519-0711       | Code: OS322-002A                  | Project: WET Quarterly Compliance Test (1Q) |
| Sample Date: 14 Mar-22 12:30  | Material: Mining Effluent         | Source: NPDES Permit #CO-0000003            |
| Receipt Date: 16 Mar-22 10:05 | CAS (PC):                         | Station: 002A                               |
| Sample Age: 53h (5 °C)        | Client: Ouray Silver Mines        |                                             |

## Multiple Comparison Summary

| Analysis ID  | Endpoint            | Comparison Method                | ✓ | NOEL | LOEL | TOEL | TU | PMSD  | S |
|--------------|---------------------|----------------------------------|---|------|------|------|----|-------|---|
| 13-2556-4909 | 7d Survival Rate    | Steel Many-One Rank Sum Test     |   | 100  | >100 | n/a  | 1  | 5.6%  | 1 |
| 18-2776-7702 | Mean Dry Biomass-mg | Dunnett Multiple Comparison Test |   | 100  | >100 | n/a  | 1  | 15.5% | 1 |

## Point Estimate Summary

| Analysis ID  | Endpoint            | Point Estimate Method        | ✓ | Level | %     | 95% LCL | 95% UCL | TU    | S |
|--------------|---------------------|------------------------------|---|-------|-------|---------|---------|-------|---|
| 07-8964-0061 | 7d Survival Rate    | Linear Interpolation (ICPIN) |   | EC5   | >100  | n/a     | n/a     | <1    | 1 |
|              |                     |                              |   | EC10  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | EC15  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | EC20  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | EC25  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | EC40  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | EC50  | >100  | n/a     | n/a     | <1    |   |
| 08-0439-8218 | Mean Dry Biomass-mg | Linear Interpolation (ICPIN) |   | IC5   | 12.92 | 3.575   | n/a     | 7.739 | 1 |
|              |                     |                              |   | IC10  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | IC15  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | IC20  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | IC25  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | IC40  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              |   | IC50  | >100  | n/a     | n/a     | <1    |   |

## Test Acceptability

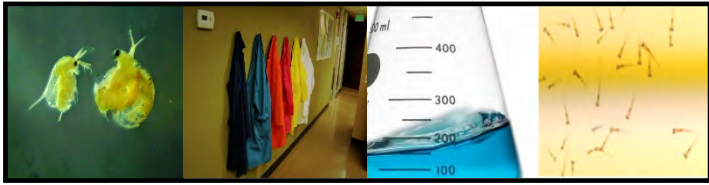
| Analysis ID  | Endpoint            | Attribute    | Test Stat | TAC Limits |       | Overlap | Decision        |
|--------------|---------------------|--------------|-----------|------------|-------|---------|-----------------|
|              |                     |              |           | Lower      | Upper |         |                 |
| 07-8964-0061 | 7d Survival Rate    | Control Resp | 1         | 0.8        | >>    | Yes     | Passes Criteria |
| 13-2556-4909 | 7d Survival Rate    | Control Resp | 1         | 0.8        | >>    | Yes     | Passes Criteria |
| 08-0439-8218 | Mean Dry Biomass-mg | Control Resp | 0.3522    | 0.25       | >>    | Yes     | Passes Criteria |
| 18-2776-7702 | Mean Dry Biomass-mg | Control Resp | 0.3522    | 0.25       | >>    | Yes     | Passes Criteria |
| 18-2776-7702 | Mean Dry Biomass-mg | PMSD         | 0.1548    | 0.12       | 0.3   | Yes     | Passes Criteria |

## 7d Survival Rate Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min    | Max    | Std Err | Std Dev | CV%   | %Effect |
|--------|------|-------|--------|---------|---------|--------|--------|---------|---------|-------|---------|
| 0      | D    | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 23     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 45     |      | 4     | 0.9750 | 0.8954  | 1.0000  | 0.9000 | 1.0000 | 0.0250  | 0.0500  | 5.13% | 2.50%   |
| 89     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 95     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 100    |      | 4     | 0.9750 | 0.8954  | 1.0000  | 0.9000 | 1.0000 | 0.0250  | 0.0500  | 5.13% | 2.50%   |

## Mean Dry Biomass-mg Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min   | Max   | Std Err  | Std Dev  | CV%    | %Effect |
|--------|------|-------|--------|---------|---------|-------|-------|----------|----------|--------|---------|
| 0      | D    | 4     | 0.3523 | 0.2991  | 0.4054  | 0.33  | 0.401 | 0.01671  | 0.03342  | 9.49%  | 0.00%   |
| 23     |      | 4     | 0.3182 | 0.253   | 0.3835  | 0.28  | 0.359 | 0.02051  | 0.04102  | 12.89% | 9.65%   |
| 45     |      | 4     | 0.3155 | 0.2698  | 0.3612  | 0.282 | 0.352 | 0.01437  | 0.02873  | 9.11%  | 10.43%  |
| 89     |      | 4     | 0.315  | 0.3039  | 0.3261  | 0.309 | 0.325 | 0.003488 | 0.006976 | 2.21%  | 10.57%  |
| 95     |      | 4     | 0.3117 | 0.2574  | 0.3661  | 0.279 | 0.358 | 0.01708  | 0.03417  | 10.96% | 11.50%  |
| 100    |      | 4     | 0.344  | 0.2863  | 0.4017  | 0.313 | 0.387 | 0.01812  | 0.03624  | 10.53% | 2.34%   |



# Whole Effluent Toxicity Testing Report

**Ouray Silver Mines Inc.**

Submitted to:

**Todd Jesse**

**Ouray Silver Mines, Inc.**

PO Box 564

Ouray, CO 81427

Submitted by:

**GEI Consultants, Inc.**

**Ecological Division**

4601 DTC Boulevard, Suite 900

Denver, CO 80237

July 8, 2022

Project 2004862

Report prepared by: MH



## 1.0 Test Summary

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Enclosed are the results of the chronic *Ceriodaphnia dubia* and *Pimephales promelas* tests performed May 3 to 10, 2022. Chronic toxicity test procedures followed the methods described in EPA documentation (EPA 2002) and CDPHE guidelines (CDPHE 1998). All chemistry measurements within this report (i.e. alkalinity, pH, dissolved oxygen, etc...) are support data for the WET tests and are not intended to be used as measurements for compliance purposes.

Due to a FedEx shipping issue, the third shipment of samples collected May 6, 2022 was not received within EPA recommended hold time and were also out of the EPA recommended temperature range of 1-6°C. Therefore, the third shipment was not used for testing and renewals from days two to six of the tests were conducted using the second sample. After discussion with Jacob Dyste with the CDPHE, approval was given for the use of only two sample shipments as numerous shipping issues have occurred in the last six months from this site. The tests are considered valid despite the deviation from protocol.

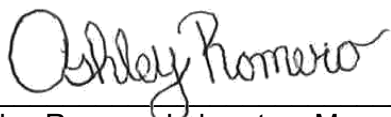
Surrogate chambers were included within the setup for both tests, with temperatures taken daily. Temperatures on the final day of the tests were taken in the test chambers. The temperature in the *C. dubia* test differed by 5.7°C and the temperature in the *P. promelas* test differed by 3.4°C.

There were no significant effects in either test and control performance criteria were met.

**Table 1: Test results summary based on instream waste concentration of 89% effluent.**

| Test Species       | Survival         |      | Reproduction/Growth |      |
|--------------------|------------------|------|---------------------|------|
|                    | IC <sub>25</sub> | NOEC | IC <sub>25</sub>    | NOEC |
| <i>C. dubia</i>    | Pass             | Pass | Pass                | Pass |
| <i>P. promelas</i> | Pass             | Pass | Pass                | Pass |

Report approved by:



Ashley Romero, Laboratory Manager



Natalie Love, Laboratory Director

## 2.0 Test Conditions

### 2.1 *Ceriodaphnia dubia* and *Pimephales promelas* tests to estimate chronic toxicity

Table 2: Summary of test conditions for chronic toxicity tests.

| Parameter                           | Test Conditions                                                           |                                                |
|-------------------------------------|---------------------------------------------------------------------------|------------------------------------------------|
| Test species                        | <i>C. dubia</i>                                                           | <i>P. promelas</i>                             |
| Method                              | EPA-821-R-02-013<br>Short-Term Methods for Estimating Chronic Toxicity... |                                                |
| Sample collection procedure         | Grab                                                                      |                                                |
| Sample collection dates             | 5/2/22, 5/4/22                                                            |                                                |
| Dilution water                      | Moderately hard reconstituted water                                       |                                                |
| Test duration                       | Until at least 60% of control organisms release 3 broods                  | 7 days                                         |
| Age of organisms at start           | <24 hours old                                                             |                                                |
| Acclimation water                   | Moderately hard reconstituted water                                       | N/A                                            |
| Feeding                             | 0.1 mL YCT/ 0.1 mL <i>Selenastrum</i> daily                               | 0.15 mL <i>Artemia</i> nauplii 2 times per day |
| End point                           | Mortality, normalized reproduction                                        | Mortality, growth                              |
| Start date/time                     | 5/3/22 10:15                                                              | 5/3/22 9:15                                    |
| End date/time                       | 5/9/22 10:20                                                              | 5/10/22 9:05                                   |
| Type of exposure chamber            | 30 mL disposable plastic cup                                              | 14 oz. disposable plastic cup                  |
| Volume of exposure chamber          | 15 mL                                                                     | 250 mL                                         |
| Number of organisms exposed/chamber | 1                                                                         | 10                                             |
| Number of replicates/treatment      | 10                                                                        | 4                                              |
| Test temperature                    | 23.4°C ± 2.9°C                                                            | 25.7°C ± 1.7°C                                 |
| EPA recommended temperature         | 25.0°C ± 1.0°C                                                            | 25.0°C ± 1.0°C                                 |
| Standard toxicant used              | NaCl                                                                      | NaCl                                           |
| Aeration                            | N/A                                                                       | None                                           |
| CO <sub>2</sub> atmosphere          | None                                                                      | None                                           |

## 3.0 QA/QC Summary

### 3.1 Sample QA/QC

Table 3: Sample QA/QC Summary.

| QA Requirement                                                                             | Yes | No | N/A | Note                                                                                   |
|--------------------------------------------------------------------------------------------|-----|----|-----|----------------------------------------------------------------------------------------|
| Chain of Custody received                                                                  | x   |    |     |                                                                                        |
| Chain of Custody complete                                                                  | x   |    |     |                                                                                        |
| Custody Seal Intact                                                                        | x   |    |     |                                                                                        |
| Samples received within holding times                                                      | x   | x  |     | Samples collected 5/6/22 were received out of hold time and were not used for testing. |
| Samples at correct temperature (0-6°C) or delivered the same day as samples were collected | x   | x  |     |                                                                                        |
| Samples used within 36 hours of collection                                                 | x   | x  |     |                                                                                        |

### 3.2 Test Acceptability

Table 4: Control performance criteria requirements and test results by species.

| Test Species       | Survival |                | Reproduction/Growth |                      | All Test Acceptability Criteria Met |
|--------------------|----------|----------------|---------------------|----------------------|-------------------------------------|
|                    | Test (%) | Acceptable (%) | Test (# or mg)      | Acceptable (# or mg) |                                     |
| <i>C. dubia</i>    | 100      | ≥ 80           | 43.9                | ≥ 15.0               | Yes                                 |
| <i>P. promelas</i> | 100      | ≥ 80           | 0.322               | ≥ 0.250              | Yes                                 |

### 3.3 Statistical QA/QC

Table 5: Calculated and allowable PMSD upper bounds per species and concentration-response curve evaluation.

| Test Species       | Calculated PMSD | EPA PMSD Upper Bound | PMSD Acceptable | Concentration-Response Curve Validity |                     |
|--------------------|-----------------|----------------------|-----------------|---------------------------------------|---------------------|
|                    |                 |                      |                 | Survival                              | Reproduction/Growth |
| <i>C. dubia</i>    | 15              | 47                   | Yes             | Yes; Data approved                    | Yes; Data approved  |
| <i>P. promelas</i> | 16              | 30                   | Yes             | Yes; Data approved                    | Yes; Data approved  |

### 3.4 Concentration-Response Figures

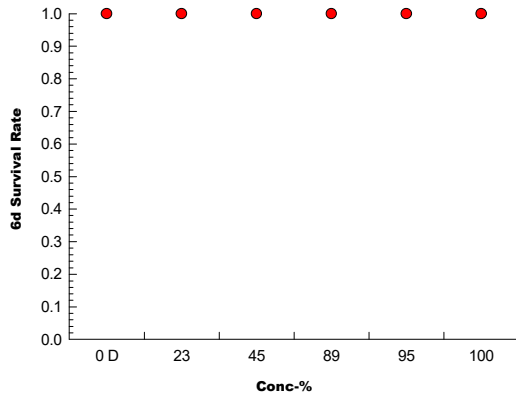


Figure 1: *C. dubia* survival

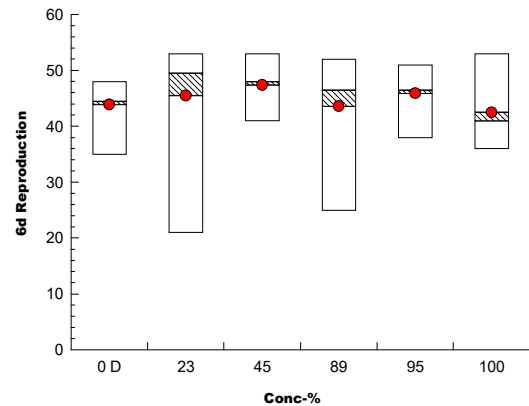


Figure 2: *C. dubia* reproduction

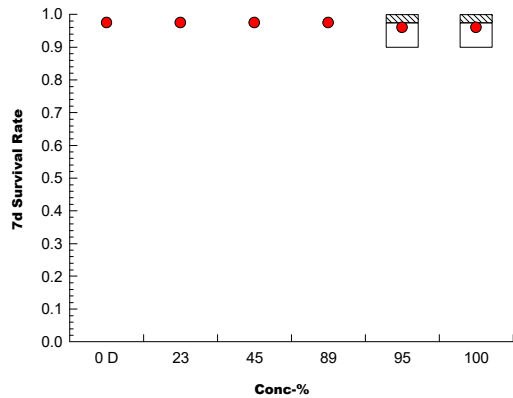


Figure 3: *P. promelas* survival

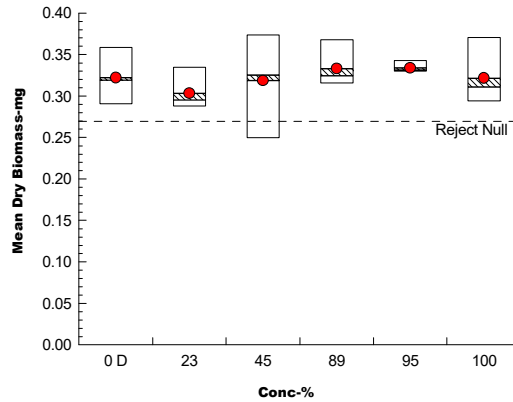


Figure 4: *P. promelas* growth

### 3.5 Reference Toxicant Summary

Table 6: Most recent reference toxicant test data summary per species.

| Species            | Test Initiation Date | Reproduction/Growth IC <sub>25</sub> (95% C.I.) | Performance Range Last 20 Tests | Within Performance Range |
|--------------------|----------------------|-------------------------------------------------|---------------------------------|--------------------------|
| <i>C. dubia</i>    | 5/10/2022            | 1182.1 mg NaCl/L (unavailable)                  | 577.6 to 1343.4                 | Yes                      |
| <i>P. promelas</i> | 5/3/2022             | 1.95 g NaCl/L (1.38 to 2.52)                    | 1.34 to 2.40                    | Yes                      |

## 4.0 Results

### 4.1 Chronic Toxicity Test Results

Table 7: Summary results of *C. dubia* chronic toxicity test.

| Client/Project                                   | Ouray Silver Mines Inc.  |                    |                   |                              |                   |                   |
|--------------------------------------------------|--------------------------|--------------------|-------------------|------------------------------|-------------------|-------------------|
| Test Date/Time                                   | Start: 5/3/22 @ 10:15    |                    |                   | End: 5/9/22 @ 10:20          |                   |                   |
| Treatment<br>% Effluent                          | 0                        | 23                 | 45                | 89                           | 95                | 100               |
| #alive/#exposed                                  | 10/10                    | 10/10              | 10/10             | 10/10                        | 10/10             | 10/10             |
| % survival                                       | 100                      | 100                | 100               | 100                          | 100               | 100               |
| Normalized repro / #<br>females exposed $\pm$ SD | 43.9<br>$\pm$ 3.7        | 45.5<br>$\pm$ 10.1 | 47.4<br>$\pm$ 3.5 | 43.6<br>$\pm$ 9.0            | 45.9<br>$\pm$ 4.4 | 42.5<br>$\pm$ 5.3 |
| Operators                                        | AI, BK, KH, JMS, ISM, JW |                    |                   |                              |                   |                   |
| Statistical Analysis                             | NOEC                     |                    |                   | IC <sub>25</sub> (95% C.I.)  |                   |                   |
| Survival                                         | 100% Effluent            |                    |                   | >100% Effluent (unavailable) |                   |                   |
| Normalized Reproduction                          | 100% Effluent            |                    |                   | >100% Effluent (unavailable) |                   |                   |

Table 8: Summary results of *P. promelas* chronic toxicity test.

| Client/Project                                    | Ouray Silver Mines Inc.  |                      |                      |                              |                      |                      |
|---------------------------------------------------|--------------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|
| Test Date/Time                                    | Start: 5/3/22 @ 9:15     |                      |                      | End: 5/10/22 @ 9:05          |                      |                      |
| Treatment<br>% Effluent                           | 0                        | 23                   | 45                   | 89                           | 95                   | 100                  |
| #alive/#exposed                                   | 40/40                    | 40/40                | 40/40                | 40/40                        | 39/40                | 39/40                |
| % survival                                        | 100                      | 100                  | 100                  | 100                          | 97.5                 | 97.5                 |
| Dry weight (mean wt.<br>(mg) / #exposed $\pm$ SD) | 0.322<br>$\pm$ 0.028     | 0.304<br>$\pm$ 0.022 | 0.319<br>$\pm$ 0.051 | 0.333<br>$\pm$ 0.024         | 0.334<br>$\pm$ 0.006 | 0.322<br>$\pm$ 0.037 |
| Operators                                         | AI, BK, KH, JMS, ISM, JW |                      |                      |                              |                      |                      |
| Statistical Analysis                              | NOEC                     |                      |                      | IC <sub>25</sub> (95% C.I.)  |                      |                      |
| Survival                                          | 100% Effluent            |                      |                      | >100% Effluent (unavailable) |                      |                      |
| Growth                                            | 100% Effluent            |                      |                      | >100% Effluent (unavailable) |                      |                      |



## 4.2 Water Chemistry Results from Samples Received for Chronic Toxicity Tests

Table 9: Wet chemistry on reconstituted water and effluent samples.

| Measurement                                                | MH Recon Water | 100% Effluent Received 5/3/22 | 100% Effluent Received 5/5/22 |
|------------------------------------------------------------|----------------|-------------------------------|-------------------------------|
| Analysis Temperature (°C)                                  | 25.0           | 25.0                          | 25.0                          |
| Total Hardness (mg CaCO <sub>3</sub> /L)                   | 99             | 162                           | 172                           |
| pH (SU)                                                    | 8.3            | 7.7                           | 7.7                           |
| Alkalinity (mg CaCO <sub>3</sub> /L)                       | 69             | 68                            | 66                            |
| Conductivity (µmho/cm)                                     | 348            | 374                           | 361                           |
| Total Dissolved Solids Calculated from Conductivity (mg/L) | --             | 183                           | 177                           |
| Dissolved Oxygen (mg/L)                                    | 7.0            | 8.6                           | 8.3                           |
| Ammonia as N (mg NH <sub>3</sub> /L)                       | --             | 0.16                          | 0.05                          |
| Un-ionized Ammonia (mg NH <sub>3</sub> /L)                 | --             | <0.10                         | <0.10                         |
| Total Residual Chlorine (mg/L)                             | --             | <0.02                         | <0.02                         |

\*Represents an average of three reconstituted waters used.

## References

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Colorado Department of Public Health and Environment (CDPHE). 1998. Water Quality Control Division. Laboratory guidelines for conducting whole effluent toxicity tests. Denver, Colorado.

Tidepool Scientific Software. 2000-2018. CETIS - Comprehensive Environmental Toxicity Information System. V1.9.5.5. McKinleyville, CA.

U.S. Environmental Protection Agency (EPA). 2002. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. EPA-821-R-02-013. Office of Water, Washington D.C.

# Appendix A

---

Colorado CDPS WET test report forms

# COLORADO – CDPS WET TEST REPORT FORM – CHRONIC

PERMITEE NAME: Ouray Silver Mines Inc.

CDPS NO: CO-0000003

OUTFALL: 002A

TYPE TEST: ROUTINE ☒

ACCELERATED

TEST SPECIES: Ceriodaphnia dubia

Test Results:

Lethality

Growth

Reproduction

|                             |       |    |       |
|-----------------------------|-------|----|-------|
| CONC. WITH STAT. DIFFERENCE | >100% | NA | >100% |
| PASS/FAIL                   | PASS  | NA | PASS  |
| NOEC                        | 100%  | NA | 100%  |
| PASS/FAIL                   | PASS  | NA | PASS  |
| IC <sub>25</sub>            | >100% | NA | >100% |
| PASS/FAIL                   | PASS  | NA | PASS  |

STAT. METHOD USED: STATISTICAL DIFF.:

NOEC, LC<sub>50</sub>

IC<sub>25</sub>

ICp METHOD

TEST DATE/TIME: START

5/3/22 10:15

END

5/9/22 10:20

DILUTIONS (%EFFLUENT)

|                        | CONTROL | 23%     | 45%     | 89%     | 95%    | 100%    |
|------------------------|---------|---------|---------|---------|--------|---------|
| % SURVIVAL FOR DAY: 1  | 100     | 100     | 100     | 100     | 100    | 100     |
| 2                      | 100     | 100     | 100     | 100     | 100    | 100     |
| 3                      | 100     | 100     | 100     | 100     | 100    | 100     |
| 4                      | 100     | 100     | 100     | 100     | 100    | 100     |
| 5                      | 100     | 100     | 100     | 100     | 100    | 100     |
| 6                      | 100     | 100     | 100     | 100     | 100    | 100     |
| MEAN 3 BROOD TOTAL:    | 43.9    | 45.5    | 47.1    | 43.6    | 45.9   | 42.5    |
| 7 DAY MEAN DRY WEIGHT: |         |         |         |         |        |         |
| pH MAX/MIN:            | 8.3/8.2 | 8.3/8.2 | 8.3/8.2 | 8.3/8.2 | 8.38.2 | 8.3/8.2 |

MEAN HARDNESS (mg/L) RECEIVING WATER: NA EFFLUENT: 167 RECON WATER: 99

MEAN ALKALINITY (mg/L) RECEIVING WATER: NA EFFLUENT: 67 RECON WATER: 69

MEAN T. AMMONIA as N (mg/L) INITIAL EFFLUENT: 0.11 FINAL EFFLUENT: NA

MEAN T. RESIDUAL CHLORINE (mg/L) 100%: <0.02 RECEIVING WATER USED FOR DILUTIONS? (Y/N) N

WERE ALL TEST CONDITIONS IN CONFORMANCE WITH DIVISION GUIDELINES? (Y/N) Y

IF NO, LIST DEVIATIONS FROM TEST SPECIFICATIONS:

ANALYST: Michael Hendricks

SIGNATURE: 

LABORATORY: GEI Consultants, Inc./Ecological Division

DATE: 6/17/22

COMMENTS:

Due to a shipping issue, the third shipment of samples were received out of EPA recommended hold time and temperature. Renewals were completed with the second shipment and the third shipment was not used for testing. This deviation from protocol was approved by Jacob Dyste with the CDPHE.  
The temperature in the test differed by 5.7°C.

# COLORADO – CDPS WET TEST REPORT FORM – CHRONIC

 PERMITEE NAME: Ouray Silver Mines Inc.

 CDPS NO: CO-0000003

 OUTFALL: 002A

 TYPE TEST: ROUTINE ☒

ACCELERATED

 TEST SPECIES: Pimephales promelas

Test Results:

Lethality

Growth

Reproduction

|                             |       |       |    |
|-----------------------------|-------|-------|----|
| CONC. WITH STAT. DIFFERENCE | >100% | >100% | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |
| NOEC                        | 100%  | 100%  | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |
| IC <sub>25</sub>            | >100% | >100% | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |

STAT. METHOD USED: STATISTICAL DIFF.:

NOEC, LC<sub>50</sub>
IC<sub>25</sub>
ICp METHOD

 TEST DATE/TIME: START
5/3/22 9:15
END
5/10/22 9:05

DILUTIONS (%EFFLUENT)

|                        | CONTROL | 23%     | 45%     | 89%     | 95%     | 100%    |
|------------------------|---------|---------|---------|---------|---------|---------|
| % SURVIVAL FOR DAY: 1  | 100     | 100     | 100     | 100     | 100     | 100     |
| 2                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 3                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 4                      | 100     | 100     | 100     | 100     | 97.5    | 100     |
| 5                      | 100     | 100     | 100     | 100     | 97.5    | 97.5    |
| 6                      | 100     | 100     | 100     | 100     | 97.5    | 97.5    |
| 7                      | 100     | 100     | 100     | 100     | 97.5    | 97.5    |
| MEAN 3 BROOD TOTAL:    |         |         |         |         |         |         |
| 7 DAY MEAN DRY WEIGHT: | 0.322   | 0.304   | 0.319   | 0.333   | 0.334   | 0.322   |
| pH MAX/MIN:            | 8.1/8.0 | 8.1/7.8 | 8.1/7.8 | 8.1/7.8 | 8.0/7.8 | 8.1/7.8 |

 MEAN HARDNESS (mg/L) RECEIVING WATER: NA EFFLUENT: 167 RECON WATER: 99

 MEAN ALKALINITY (mg/L) RECEIVING WATER: NA EFFLUENT: 67 RECON WATER: 69

 MEAN T. AMMONIA as N (mg/L) INITIAL EFFLUENT: 0.11 FINAL EFFLUENT: NA

 MEAN T. RESIDUAL CHLORINE (mg/L) 100%: <0.02 RECEIVING WATER USED FOR DILUTIONS? (Y/N) N

 WERE ALL TEST CONDITIONS IN CONFORMANCE WITH DIVISION GUIDELINES? (Y/N) Y

IF NO, LIST DEVIATIONS FROM TEST SPECIFICATIONS:

 ANALYST: Michael Hendricks

SIGNATURE:



 LABORATORY: GEI Consultants, Inc./Ecological Division

DATE:

6/17/22

COMMENTS:

Due to a shipping issue, the third shipment of samples were received out of EPA recommended hold time and temperature. Renewals were completed with the second shipment and the third shipment was not used for testing. This deviation from protocol was approved by Jacob Dyste with the CDPHE. The temperature in the test differed by 3.4°C.

## **Appendix B**

---

**Chain-of-custody forms and laboratory bench sheets from whole effluent toxicity tests**

(GEI Use) Log Number 05522-102A-1

**GEI Consultants, Inc./Ecological Division**  
**4601 DTC BLVD., SUITE L100**  
**DENVER, CO 80237**  
**Main: (303) 662-0100 Lab: (303) 264-1120**

[illegible]

(GEI Use) Log Number OS 522-002A-2

**GEI Consultants, Inc./Ecological Division**  
**4601 DTC BLVD., SUITE L100**  
**DENVER, CO 80237**  
**Main: (303) 662-0100 Lab: (303) 264-1120**

|                                                                                                       |           |                                     |                |                |  |                                                                                                                                                                                                            |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
|-------------------------------------------------------------------------------------------------------|-----------|-------------------------------------|----------------|----------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------|-----------|-----------|-------------|---------------------------------------|--|-----------------------------------------------------------------------------------------------------|--------------------|-----------|--|--|
| CLIENT/PROJECT <u>Curray Silver Mines</u>                                                             |           |                                     |                |                |  | TESTS REQUIRED                                                                                                                                                                                             |   |             |           |           |             |                                       |  | CHLORINE<br>Measured by:<br><input type="checkbox"/> Client <input checked="" type="checkbox"/> Lab |                    |           |  |  |
| ADDRESS <u>P.O. Box 504</u>                                                                           |           |                                     |                |                |  | ACUTE                                                                                                                                                                                                      |   |             |           | CHRONIC   |             |                                       |  |                                                                                                     |                    |           |  |  |
| CITY <u>Carray</u> STATE <u>CO</u> ZIP <u>81427</u>                                                   |           |                                     |                |                |  | C E R I O                                                                                                                                                                                                  |   | F A T H A D | T R O U T | C E R I O | F A T H A D | A L G A N N I A                       |  |                                                                                                     |                    |           |  |  |
| PHONE # <u>720 325-9830</u>                                                                           |           |                                     |                |                |  |                                                                                                                                                                                                            |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
| PROJ. MANAGER <u>Todd Teste</u> SAMPLER <u>Todd Teste</u>                                             |           |                                     |                |                |  |                                                                                                                                                                                                            |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
| SAMPLE TYPE/SITE                                                                                      | Composite | Grab                                | Date Collected | Time Collected |  |                                                                                                                                                                                                            |   |             |           |           |             |                                       |  | TRC (mg/L)                                                                                          | Date/Time Measured | COMMENTS: |  |  |
| <u>OEBDZA</u>                                                                                         |           | <input checked="" type="checkbox"/> | <u>5/4/22</u>  | <u>9:09</u>    |  | X                                                                                                                                                                                                          | X |             |           |           |             |                                       |  | <u>LOOL</u>                                                                                         | <u>5/5/22 8:10</u> |           |  |  |
|                                                                                                       |           |                                     |                |                |  |                                                                                                                                                                                                            |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
|                                                                                                       |           |                                     |                |                |  |                                                                                                                                                                                                            |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
|                                                                                                       |           |                                     |                |                |  |                                                                                                                                                                                                            |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
|                                                                                                       |           |                                     |                |                |  |                                                                                                                                                                                                            |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
|                                                                                                       |           |                                     |                |                |  |                                                                                                                                                                                                            |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
| PROJECT INFORMATION                                                                                   |           |                                     |                |                |  | LABORATORY RECEIVING INFORMATION                                                                                                                                                                           |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
| CLIENT DROP OFF: <input type="checkbox"/>                                                             |           |                                     |                |                |  | CONDITION OF SAMPLE ON RECEIPT: <u>GODP</u>                                                                                                                                                                |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
| COURIER:                                                                                              |           |                                     |                |                |  | CUSTODY SEAL INTACT?: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>                                                                                     |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
| UPS <input type="checkbox"/> FEDEX <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> |           |                                     |                |                |  | TEMPERATURE (°C): <u>5.0</u>                                                                                                                                                                               |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
| TOTAL NUMBER OF CONTAINERS: <u>3</u>                                                                  |           |                                     |                |                |  | TEMPERATURE IN RANGE (0-6°C): YES <input checked="" type="checkbox"/> NO <input type="checkbox"/><br>IF NOT IN RANGE, SAMPLED SAME DAY; TEMP OK?: YES <input type="checkbox"/> NO <input type="checkbox"/> |   |             |           |           |             |                                       |  |                                                                                                     |                    |           |  |  |
| COMMENTS: <u>Send report to environmental@currysilvermines.com</u>                                    |           |                                     |                |                |  | CLIENT RELINQUISHED BY: <u>[Signature]</u>                                                                                                                                                                 |   |             |           |           |             | DATE/TIME: <u>5/4/22 / 11:30 a.m.</u> |  |                                                                                                     |                    |           |  |  |
|                                                                                                       |           |                                     |                |                |  | LABORATORY RECEIVED BY: <u>Jimmie West</u>                                                                                                                                                                 |   |             |           |           |             | DATE/TIME: <u>5/8/22 745</u>          |  |                                                                                                     |                    |           |  |  |



1300 Blue Spruce Drive, Suite C  
Fort Collins, Colorado 80524



Toll Free: 800/331-5916  
Tel: 970/484-5091 Fax: 970/484-2514

05522-002A

### ORGANISM HISTORY

DATE: 5/2/2022

SPECIES: *Pimephales promelas*

AGE: N/A

LIFE STAGE: Embryo

HATCH DATE: 5/2/2022

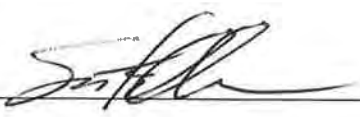
BEGAN FEEDING: N/A

FOOD: N/A

### Water Chemistry Record:

|                                           | Current         | Range     |
|-------------------------------------------|-----------------|-----------|
| TEMPERATURE:                              | <u>24°C</u>     | <u>--</u> |
| SALINITY/CONDUCTIVITY:                    | <u>--</u>       | <u>--</u> |
| TOTAL HARDNESS (as CaCO <sub>3</sub> ):   | <u>95 mg/l</u>  | <u>--</u> |
| TOTAL ALKALINITY (as CaCO <sub>3</sub> ): | <u>120 mg/l</u> | <u>--</u> |
| pH:                                       | <u>8.20</u>     | <u>--</u> |

### Comments:

  
\_\_\_\_\_  
*Facility Supervisor*

# INITIAL CHEMISTRY BENCH SHEET

Client/Project: Ouray /OS522 - 002A

Samples Received: Date/Time 5/3/22 740

Test Substance: Effluent 002A

What test/s will samples be used in? Ch C/F

Dilution Water lab water or receiving water

| SAMPLE TYPE<br>LOG NUMBER<br>DATE COLLECTED | DATE/TIME<br>ANALYZED | DATES USED       | ANALYSES<br>TEMP.<br>(°C) | TOTAL<br>HARDNESS<br>(mg/L) | pH<br>(SU) | TOTAL<br>ALKALINITY<br>(mg/L) | D.O.<br>(mg/L) | COND.<br>(µs) | TDS<br>CALCULATED<br>FROM COND.<br>(mg/L) | TRC<br>(mg/L) | AMMONIA<br>AS N<br>(mg/L) | METER<br>USED | ANALYST |
|---------------------------------------------|-----------------------|------------------|---------------------------|-----------------------------|------------|-------------------------------|----------------|---------------|-------------------------------------------|---------------|---------------------------|---------------|---------|
| Effluent<br>OS522-1<br>5/3/22               | 5/3/22<br>1025        | 5/3/22<br>5/4/22 | 25.0                      | 8.1<br>162                  | 7.7        | 3.4<br>68                     | 8.6            | 374           | 183                                       | 60.02         | 0.16                      | 1             | BA      |
| Effluent<br>OS522-2<br>5/4/22               | 5/5/22<br>945         | 5/5/22<br>5/9/22 | 25.0                      | 8.6<br>172                  | 7.7        | 3.3<br>66                     | 8.3            | 361           | 177                                       | 60.02         | 0.05                      | 1             | MH      |
| Effluent <del>MH</del><br>06522-3           |                       |                  |                           |                             |            |                               |                |               |                                           |               |                           |               |         |
| AVERAGE VALUE                               |                       |                  | 25.0                      | 167                         | 7.7        | 67                            | 8.5            | 368           | 180                                       | 60.02         | 6.11                      |               |         |

| Site               | Day 0  | Day 1  | Day 2  | Day 3              | Day 4  | Day 5  | Day 6 | Day 7 |  |  |  |  |  |
|--------------------|--------|--------|--------|--------------------|--------|--------|-------|-------|--|--|--|--|--|
| Daily Measurements |        |        |        |                    |        |        |       |       |  |  |  |  |  |
| pH/initials        | 7.7/BA | 7.4/BA | 7.7/MH | 7.7/ <del>et</del> | 7.9/SM | 7.9/BA | 7.9/M |       |  |  |  |  |  |
| pH/initials        |        |        |        |                    |        |        |       |       |  |  |  |  |  |
| pH/initials        |        |        |        |                    |        |        |       |       |  |  |  |  |  |
| pH/initials        |        |        |        |                    |        |        |       |       |  |  |  |  |  |

COMMENTS:

Samples stored in refrigerator: N

Data Checked and Approved by Laboratory Manager (Initials): AR

# RECONSTITUTED SYNTHETIC LABORATORY WATER CHEMISTRY BENCH SHEET

Client/Project: Ouray /OS522 - 002A

Test Substance: Effluent 002A

Analyst: MH

What test/s will  
samples be used in? Ch C/F

Test/s Start Date: 3/5/22

| BATCH #       | ANALYSES<br>TEMP.<br>(°C) | TOTAL<br>HARDNESS<br>(mg/L) | pH<br>(SU) | TOTAL<br>ALKALINITY<br>(mg/L) | D.O.<br>(mg/L) | COND.<br>(µS) |
|---------------|---------------------------|-----------------------------|------------|-------------------------------|----------------|---------------|
| MH111         | 25.0                      | 102                         | 8.2        | 68                            | 6.9            | 350           |
| MH103         | 25.0                      | 104                         | 8.5        | 72                            | 7.0            | 344           |
| MH107         | 25.0                      | 90                          | 8.3        | 66<br><del>70</del><br>m      | 7.1            | 350           |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
| AVERAGE VALUE | 25.0                      | 99                          | 8.3        | 69<br><del>206</del><br>m     | 7.0            | 348           |

COMMENTS:

# CHRONIC TOXICITY CHEMISTRY BENCH SHEET

START Date: 5/3/22

FINISH Date: 5/9/22

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS522 - 002A

Organism: C. dubia

| Test Conc.                 | Chemical Parameter | Day of Test |       |      |      |      |      |   |  | COMMENTS                                       |
|----------------------------|--------------------|-------------|-------|------|------|------|------|---|--|------------------------------------------------|
|                            |                    | 1           | 2     | 3    | 4    | 5    | 6    | 7 |  |                                                |
| 0                          | DO (mg/L)          | 6.4         | 6.6   | 6.5  | 6.6  | 6.2  | 6.6  |   |  |                                                |
|                            | Cond. (µS)         | 376         | 385   | 374  | 387  | 364  | 371  |   |  |                                                |
|                            | pH                 | 8.2         | 8.3   | 8.3  | 8.3  | 8.2  | 8.3  |   |  |                                                |
|                            | Temp. (°C)         | 26.2        | 25.8  | 24.1 | 24.8 | 24.5 | 23.1 |   |  |                                                |
| 23                         | DO (mg/L)          | 6.3         | 6.4   | 6.5  | 6.5  | 6.3  | 6.6  |   |  |                                                |
|                            | Cond. (µS)         | 373         | 391   | 377  | 385  | 381  | 386  |   |  |                                                |
|                            | pH                 | 8.2         | 8.2   | 8.3  | 8.3  | 8.2  | 8.3  |   |  |                                                |
|                            | Temp. (°C)         | 26.2        | 25.8  | 24.1 | 25.7 | 25.9 | 23.0 |   |  |                                                |
| 45                         | DO (mg/L)          | 6.3         | 6.4   | 6.4  | 6.5  | 6.4  | 6.6  |   |  |                                                |
|                            | Cond. (µS)         | 379         | 397   | 375  | 385  | 378  | 382  |   |  |                                                |
|                            | pH                 | 8.2         | 8.3   | 8.3  | 8.3  | 8.2  | 8.3  |   |  |                                                |
|                            | Temp. (°C)         | 23.8        | 23.0  | 24.0 | 24.1 | 22.0 | 23.0 |   |  |                                                |
| 89                         | DO (mg/L)          | 6.3         | 6.5   | 6.5  | 6.5  | 6.4  | 6.5  |   |  |                                                |
|                            | Cond. (µS)         | 407         | 414   | 393  | 400  | 397  | 393  |   |  |                                                |
|                            | pH                 | 8.2         | 8.3   | 8.3  | 8.3  | 8.2  | 8.3  |   |  |                                                |
|                            | Temp. (°C)         | 25.6        | 24.5  | 24.3 | 24.2 | 25.9 | 20.5 |   |  |                                                |
| 95                         | DO (mg/L)          | 6.3         | 6.5   | 6.5  | 6.5  | 6.5  | 6.5  |   |  |                                                |
|                            | Cond. (µS)         | 394         | 413   | 393  | 400  | 401  | 408  |   |  |                                                |
|                            | pH                 | 8.2         | 8.3   | 8.3  | 8.3  | 8.3  | 8.3  |   |  |                                                |
|                            | Temp. (°C)         | 24.8        | 26.0  | 25.5 | 25.7 | 25.5 | 22.0 |   |  |                                                |
| 100                        | DO (mg/L)          | 6.3         | 6.6   | 6.6  | 6.5  | 6.5  | 6.5  |   |  |                                                |
|                            | Cond. (µS)         | 386         | 405   | 387  | 385  | 388  | 388  |   |  |                                                |
|                            | pH                 | 8.2         | 8.3   | 8.3  | 8.3  | 8.3  | 8.3  |   |  |                                                |
|                            | Temp. (°C)         | 24.9        | 24.0  | 24.8 | 25.1 | 25.1 | 21.4 |   |  |                                                |
| Incubator Temperature (°C) |                    | 27.0        | 26.5  | 26.5 | 26.5 | 26.5 | 26.5 |   |  | Max: 26.2                                      |
| Analyst                    |                    | BK          | KR/MH | ISM  | M    | M    | M    |   |  | Min: 21.4 <sup>min</sup> 20.5                  |
| Time Analyzed              |                    | 1110        | 1500  | 1015 | 1330 | 1030 | 1105 |   |  | Range: 4.8 <sup>min</sup> 5.7                  |
| Environmental Chamber      |                    | W           | W     | W    | W    | W    | W    |   |  | Mean: 23.8 <sup>min</sup> ± 2.4 <sup>max</sup> |
| Meter Number               |                    | 1           | 1     | 1    | 1    | 1    | 1    |   |  | 23.4 ± 2.9                                     |

Data Checked and Approved by Laboratory Manager (Initials): AR

# CHRONIC TOXICITY CHEMISTRY BENCH SHEET

START Date: 5/3/22

FINISH Date: 5/9/22  
84

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS522 - 002A

Organism: P. promelas

| Test Conc.                 | Chemical Parameter | Day of Test |       |      |      |      |      |      |  | COMMENTS         |
|----------------------------|--------------------|-------------|-------|------|------|------|------|------|--|------------------|
|                            |                    | 1           | 2     | 3    | 4    | 5    | 6    | 7    |  |                  |
| 0                          | DO (mg/L)          | 6.4         | 6.2   | 5.7  | 6.2  | 6.2  | 6.0  | 5.7  |  |                  |
|                            | Cond. (µS)         | 378         | 368   | 362  | 365  | 356  | 363  | 352  |  |                  |
|                            | pH                 | 8.1         | 8.1   | 8.0  | 8.0  | 8.0  | 8.0  | 8.0  |  |                  |
|                            | Temp. (°C)         | 26.8        | 25.1  | 25.1 | 24.7 | 24.2 | 25.2 | 24.8 |  |                  |
| 23                         | DO (mg/L)          | 6.2         | 6.2   | 5.5  | 5.9  | 5.9  | 6.0  | 5.4  |  |                  |
|                            | Cond. (µS)         | 364         | 366   | 356  | 363  | 354  | 360  | 355  |  |                  |
|                            | pH                 | 8.1         | 8.0   | 7.8  | 8.0  | 8.0  | 8.0  | 7.9  |  |                  |
|                            | Temp. (°C)         | 26.7        | 25.2  | 25.0 | 24.2 | 24.0 | 25.1 | 25.8 |  |                  |
| 45                         | DO (mg/L)          | 6.1         | 6.2   | 5.4  | 5.9  | 5.8  | 5.8  | 5.5  |  |                  |
|                            | Cond. (µS)         | 371         | 368   | 360  | 362  | 356  | 357  | 362  |  |                  |
|                            | pH                 | 8.1         | 8.1   | 7.8  | 8.0  | 7.9  | 8.0  | 7.9  |  |                  |
|                            | Temp. (°C)         | 26.8        | 25.6  | 25.3 | 24.8 | 24.8 | 25.4 | 25.0 |  |                  |
| 89                         | DO (mg/L)          | 6.1         | 6.2   | 5.5  | 5.9  | 5.8  | 5.7  | 5.2  |  |                  |
|                            | Cond. (µS)         | 369         | 381   | 368  | 371  | 370  | 370  | 371  |  |                  |
|                            | pH                 | 8.0         | 8.1   | 7.8  | 8.0  | 8.0  | 8.0  | 7.8  |  |                  |
|                            | Temp. (°C)         | 27.1        | 25.5  | 25.2 | 25.2 | 24.9 | 25.4 | 24.8 |  |                  |
| 95                         | DO (mg/L)          | 6.1         | 6.4   | 5.4  | 5.9  | 5.7  | 5.7  | 5.5  |  |                  |
|                            | Cond. (µS)         | 390         | 387   | 371  | 373  | 369  | 369  | 367  |  |                  |
|                            | pH                 | 8.0         | 8.0   | 7.8  | 8.0  | 8.0  | 8.0  | 7.9  |  |                  |
|                            | Temp. (°C)         | 27.4        | 25.7  | 25.5 | 25.4 | 24.9 | 25.5 | 24.8 |  |                  |
| 100                        | DO (mg/L)          | 6.1         | 6.2   | 5.4  | 5.8  | 5.7  | 5.7  | 5.4  |  |                  |
|                            | Cond. (µS)         | 385         | 384   | 369  | 377  | 372  | 373  | 371  |  |                  |
|                            | pH                 | 8.0         | 8.1   | 7.8  | 8.0  | 8.0  | 8.0  | 7.9  |  |                  |
|                            | Temp. (°C)         | 26.9        | 26.0  | 25.4 | 25.2 | 25.0 | 25.4 | 25.9 |  |                  |
| Incubator Temperature (°C) |                    | 27.0        | 26.0  | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 |  | Max: 27.4        |
| Analyst                    |                    | MV          | KR/AM | JMS  | ISM  | MW   | MW   | BC   |  | Min: 24.0        |
| Time Analyzed              |                    | 1450        | 1420  | 1210 | 1450 | 1025 | 1150 | 850  |  | Range: 3.4       |
| Environmental Chamber      |                    | V           | V     | V    | V    | V    | V    | V    |  | Mean: 25.7 ± 1.7 |
| Meter Number               |                    | 1           | 1     | 1    | 1    | 1    | 1    | 1    |  |                  |

Data Checked and Approved by Laboratory Manager (Initials): AR

START Date/Time: 5/3/22 1015

FINISH Date/Time: 5/19/22 1020

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS522 - 002A

Begun By: AL

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | Time<br>Renewed<br>and Fed | NOTES:               |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|----------------------------|----------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |                            |                      |
| 0      | 1   | 0         |    |    |    |    |    |    |    |    | 0  | 7.1            | JK      | 1035                       |                      |
|        | 2   | 0         |    |    |    |    |    |    |    |    | 0  | 7.5            | ct      | 1210                       |                      |
|        | 3   | 8         | 8  | 5  | 9  | 6  | 4  | 7  | 6  | 5  | 5  | 7.2            | JMS     | 925                        |                      |
|        | 4   | 14        | 0  | 14 | 15 | 16 | 13 | 14 | 0  | 15 | 0  | 7.5            | ISM     | 1210                       |                      |
|        | 5   | 0         | 17 | 0  |    |    |    | 0  | 18 | 0  | 17 | 6.5            | mv      | 950                        |                      |
|        | 6   | 22        | 22 | 24 | 21 | 21 | 18 | 26 | 24 | 22 | 23 | -              | ct      | 1020                       |                      |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         |                            |                      |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         |                            |                      |
| TOTALS |     | 44        | 47 | 43 | 45 | 43 | 35 | 47 | 48 | 42 | 45 |                |         |                            |                      |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         | Summarized Results:        |                      |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         | # live adults              | mean reprod. ± S.D.  |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         |                            | norm. reprod. ± S.D. |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         | 10                         | 439 ± 37             |

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | NOTES:              |               |                                    |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|---------------------|---------------|------------------------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |                     |               |                                    |
| 23     | 1   | 0         |    |    |    |    |    |    |    |    | 0  | 7.3            | JK      |                     |               |                                    |
|        | 2   | 0         |    |    |    |    |    |    |    |    | 0  | 7.7            | ct      |                     |               |                                    |
|        | 3   | 8         | 3  | 4  | 8  | 7  | 6  | 6  | 9  | 7  | 6  | 7.2            | JMS     |                     |               |                                    |
|        | 4   | 14        | 13 | 16 | 16 | 0  | 16 | 18 | 12 | 0  | 15 | 7.5            | ISM     |                     |               |                                    |
|        | 5   | 0         |    |    | 0  | 17 | 0  | 0  | 4  | 18 | 0  | 6.4            | mr      |                     |               |                                    |
|        | 6   | 27        | 18 | 27 | 27 | 26 | 28 | 25 | 28 | 26 | 0  | -              | ct      |                     |               |                                    |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         | Summarized Results: |               |                                    |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         |                     | # live adults | normalized reproduction $\pm$ S.D. |
| TOTALS |     | 49        | 34 | 47 | 51 | 50 | 50 | 49 | 53 | 51 | 21 |                |         |                     | 10            | 45.5 $\pm$ 10.1                    |

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | NOTES: |               |                                |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|--------|---------------|--------------------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |        |               |                                |
| 45     | 1   | 0         |    |    |    |    |    |    |    |    | 0  | 7.5            | JK      |        |               |                                |
|        | 2   | 0         |    |    |    |    |    |    |    |    | 0  | 7.8            | ct      |        |               |                                |
|        | 3   | 9         | 7  | 8  | 6  | 6  | 8  | 9  | 8  | 4  | 7  | 7.4            | Jms     |        |               |                                |
|        | 4   | 0         | 18 | 16 | 14 | 14 | 18 | 17 | 16 | 0  | 15 | 7.5            | ISM     |        |               |                                |
|        | 5   | 17        | 0  |    |    |    |    |    | 0  | 19 | 21 | 6.4            | mv      |        |               |                                |
|        | 6   | 24        | 23 | 29 | 24 | 21 | 22 | 25 | 24 | 22 | 0  | -              | ct      |        |               |                                |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         |        |               |                                |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         |        |               |                                |
| TOTALS |     | 50        | 48 | 53 | 44 | 41 | 48 | 51 | 48 | 45 | 46 |                |         |        | # live adults | normalized reproduction ± S.D. |
|        |     |           |    |    |    |    |    |    |    |    |    |                |         | 10     | 47.4 ± 3.5    |                                |

|            |           |    |    |    |    |    |    |    |       |    |
|------------|-----------|----|----|----|----|----|----|----|-------|----|
| Board Used | 4/25B Cup |    |    |    |    |    |    |    | 4/25A |    |
|            | 11        | 12 | 17 | 22 | 29 | 30 | 46 | 41 | 15    | 17 |

|                              |             |
|------------------------------|-------------|
| Date/time adults isolated    | 5/2/22 1515 |
| Date/time neonates harvested | 5/2/22 1730 |

Δ - Dead/undeveloped neonates; number not recorded.

\* - Fourth brood excluded from total.

Data used for Statistical Analyses: 6 Day 7 Day 8 Day

Template number 5

Data Checked and Approved by Laboratory Manager (Initials): AR

START Date/Time: 5/3/22 1615

FINISH Date/Time: 5/9/22 1020

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS522 - 002A

Begun By: AL

| Conc.  | Day | Replicate |    |     |    |    |    |     |    |    |    | D.O.<br>(mg/L) | Analyst | Time<br>Renewed<br>and Fed | NOTES:              |                                |
|--------|-----|-----------|----|-----|----|----|----|-----|----|----|----|----------------|---------|----------------------------|---------------------|--------------------------------|
|        |     | A         | B  | C   | D  | E  | F  | G   | H  | I  | J  |                |         |                            |                     |                                |
| 89     | 1   | 0         |    |     |    |    |    |     |    |    | 0  | 7.7            | BK      | 1035                       |                     |                                |
|        | 2   | 0         |    |     |    |    |    |     |    |    | 0  | 8.2            | kt      | 1210                       |                     |                                |
|        | 3   | 6         | 8  | 5   | 8  | 7  | 7  | 4   | 4  | 6  | 8  | 7.6            | Jms     | 925                        |                     |                                |
|        | 4   | 0         | 16 | 8   | 17 | 0  | 12 | 6   | 14 | 15 | 0  | 7.7            | ISM     | 1210                       |                     |                                |
|        | 5   | 16        | 0  | 17  | 0  | 18 | 0  | 15  | 0  | 0  | 16 | 6.9            | m       | 950                        |                     |                                |
|        | 6   | 21        | 23 | 17  | 27 | 24 | 26 | 20  | 28 | 27 | 27 | -              | kt      | 1020                       |                     |                                |
|        | 7   |           |    |     |    |    |    |     |    |    |    |                |         |                            | Summarized Results: |                                |
|        | 8   |           |    |     |    |    |    |     |    |    |    |                |         |                            | # live adults       | normalized reproduction ± S.D. |
| TOTALS |     | 43        | 47 | 38* | 52 | 49 | 45 | 25* | 46 | 48 | 51 |                |         |                            | 10                  | 43.6 ± 9.0                     |

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | NOTES:              |                                |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|---------------------|--------------------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |                     |                                |
| 95     | 1   | 0         |    |    |    |    |    |    |    |    | 0  | 7.4            | BK      |                     |                                |
|        | 2   | 0         |    |    |    |    |    |    |    |    | 0  | 8.2            | kt      |                     |                                |
|        | 3   | 0         | 5  | 6  | 7  | 6  | 5  | 6  | 5  | 6  | 7  | 7.7            | Jms     |                     |                                |
|        | 4   | 7         | 0  | 0  | 16 | 17 | 5  | 15 | 13 | 17 | 13 | 7.7            | ISM     |                     |                                |
|        | 5   | 17        | 17 | 19 | 0  | 0  | 2  | 0  | 2  | 0  | 0  | 6.9            | m       |                     |                                |
|        | 6   | 19        | 24 | 22 | 28 | 28 | 26 | 26 | 20 | 27 | 26 | -              | kt      |                     |                                |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         | Summarized Results: |                                |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         | # live adults       | normalized reproduction ± S.D. |
| TOTALS |     | 43        | 46 | 47 | 51 | 51 | 38 | 47 | 40 | 50 | 46 |                |         | 10                  | 45.9 ± 4.4                     |

| Conc.  | Day | Replicate |    |    |    |    |    |    |    |    |    | D.O.<br>(mg/L) | Analyst | NOTES:              |                                |
|--------|-----|-----------|----|----|----|----|----|----|----|----|----|----------------|---------|---------------------|--------------------------------|
|        |     | A         | B  | C  | D  | E  | F  | G  | H  | I  | J  |                |         |                     |                                |
| 100    | 1   | 0         |    |    |    |    |    |    |    |    | 0  | 7.3            | BK      |                     |                                |
|        | 2   | 0         |    |    |    |    |    |    |    |    | 0  | 8.7            | kt      |                     |                                |
|        | 3   | 7         | 7  | 4  | 5  | 5  | 6  | 5  | 3  | 4  | 8  | 7.2            | Jms     |                     |                                |
|        | 4   | 12        | 16 | 17 | 19 | 15 | 12 | 14 | 0  | 15 | 14 | 7.4            | ISM     |                     |                                |
|        | 5   | 0         |    |    |    | 0  | 1  | 0  | 18 | 0  | 0  | 7.4            | m       |                     |                                |
|        | 6   | 21        | 25 | 21 | 29 | 22 | 17 | 21 | 17 | 20 | 25 | -              | kt      |                     |                                |
|        | 7   |           |    |    |    |    |    |    |    |    |    |                |         | Summarized Results: |                                |
|        | 8   |           |    |    |    |    |    |    |    |    |    |                |         | # live adults       | normalized reproduction ± S.D. |
| TOTALS |     | 40        | 48 | 42 | 53 | 42 | 36 | 40 | 38 | 39 | 47 |                |         | 10                  | 42.5 ± 5.3                     |

|            |           |    |    |    |    |    |    |    |       |    |
|------------|-----------|----|----|----|----|----|----|----|-------|----|
| Board Used | 4/25B Cup |    |    |    |    |    |    |    | 4/25A |    |
|            | 11        | 12 | 17 | 22 | 29 | 30 | 40 | 41 | 15    | 17 |

|                              |             |
|------------------------------|-------------|
| Date/time adults isolated    | 5/2/22 1515 |
| Date/time neonates harvested | 5/2/22 1730 |

Δ - Dead/undeveloped neonates; number not recorded. \* - Fourth brood excluded from total.

Data used for Statistical Analyses: 6 Day 7 Day 8 Day

Template number 5

Data Checked and Approved by Laboratory Manager (Initials): AR



# FATHEAD MINNOW 7-DAY CHRONIC TOXICITY TEST BENCH SHEET

START Date/Time: 5/3/22 915

FINISH Date/Time: 5/10/22 905  
mv

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS522 - 002A

Begun By: AL

| CONCENTRATION &<br>REPLICATE |   | Number alive/day of test |      |      |      |      |      |      |     | #alive/<br># exposed<br>(% survival) | COMMENTS |
|------------------------------|---|--------------------------|------|------|------|------|------|------|-----|--------------------------------------|----------|
|                              |   | Start                    | 1    | 2    | 3    | 4    | 5    | 6    | 7   |                                      |          |
| 0                            | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  | 40/40<br>100%                        |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
| 23                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  | 40/40<br>100%                        |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
| 45                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  | 40/40<br>100%                        |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
| 89                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  | 40/40<br>100%                        |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
| 95                           | A | 10                       | 10   | 10   | 10   | 9    | 9    | 9    | 9   | 39/40<br>97.5%                       |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
| 100                          | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  | 39/40<br>97.5%                       |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 9    | 9    | 9   |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10  |                                      |          |
| ANALYST                      |   | AL                       | BK   | kt   | Jms  | ISM  | mv   | kt   | BC  |                                      |          |
| TIME FED AM                  |   | 715                      | 730  | 730  | 640  | 620  | 655  | 750  | -   |                                      |          |
| TIME FED PM                  |   | 1620                     | 1550 | 1515 | 1640 | 1600 | 1450 | 1630 | -   |                                      |          |
| TIME RENEWED                 |   | 915                      | 1245 | 1305 | 1215 | 1500 | 1035 | 1130 | 905 |                                      |          |

Template Number 11

Data Checked and Approved by Laboratory Manager (Initials): AR



# FATHEAD MINNOW 7-DAY CHRONIC TOXICITY WEIGHT BENCH SHEET

DRYING START Date/Time: 5/10/22 940 Temp. 60.0 °C END Date/Time: 5/11/22 950 Temp. 55.0 °C

Client/Project: Ouray /OS522 - 002A

Analyst: ISM

| CONTROLS & REPLICATE      | Larvae Wt. (g.) | # FISH          |     | MEAN WT<br>Weight/Surviving Fish/Rep<br>(mg) | MEAN WT<br>Mean Weight/Surv. Fish<br>(mg) ± SD | GROWTH<br>Weight/Fish Exposed/Rep<br>(mg.)   | GROWTH<br>Mean Wt/fish exp. (mg) ± SD |
|---------------------------|-----------------|-----------------|-----|----------------------------------------------|------------------------------------------------|----------------------------------------------|---------------------------------------|
|                           |                 | BEGIN           | END |                                              |                                                |                                              |                                       |
| 0                         | A               | 0.00359         | 10  | 10                                           | 0.359                                          | 0.322<br>± 0.028                             | 0.322 ±<br>0.028                      |
|                           | B               | 0.00317         | 10  | 10                                           | 0.317                                          |                                              |                                       |
|                           | C               | 0.00322         | 10  | 10                                           | 0.322                                          |                                              |                                       |
|                           | D               | 0.00291         | 10  | 10                                           | 0.291                                          |                                              |                                       |
|                           | A               | 0.1511          |     |                                              |                                                |                                              |                                       |
|                           | B               |                 |     |                                              |                                                |                                              |                                       |
|                           | C               |                 |     |                                              |                                                |                                              |                                       |
|                           | D               |                 |     |                                              |                                                |                                              |                                       |
| CONCENTRATION & REPLICATE | Larvae Wt. (g.) | # Fish<br>Begin |     | GROWTH<br>Weight/Fish Exposed/Rep (mg.)      |                                                | GROWTH<br>Mean Weight/Fish Exposed (mg) ± SD |                                       |
| 23                        | A               | 0.00290         | 10  |                                              | 0.290                                          | 0.304 ± 0.022                                |                                       |
|                           | B               | 0.00288         | 10  |                                              | 0.288                                          |                                              |                                       |
|                           | C               | 0.00335         | 10  |                                              | 0.335                                          |                                              |                                       |
|                           | D               | 0.00301         | 10  |                                              | 0.301                                          |                                              |                                       |
| 45                        | A               | 0.00328         | 10  |                                              | 0.328                                          | 0.319 ± 0.051                                |                                       |
|                           | B               | 0.00374         | 10  |                                              | 0.374                                          |                                              |                                       |
|                           | C               | 0.00323         | 10  |                                              | 0.323                                          |                                              |                                       |
|                           | D               | 0.00250         | 10  |                                              | 0.250                                          |                                              |                                       |
| 89                        | A               | 0.00322         | 10  |                                              | 0.322                                          | 0.333 ± 0.024                                |                                       |
|                           | B               | 0.00316         | 10  |                                              | 0.316                                          |                                              |                                       |
|                           | C               | 0.00368         | 10  |                                              | 0.368                                          |                                              |                                       |
|                           | D               | 0.00327         | 10  |                                              | 0.327                                          |                                              |                                       |
| 95                        | A               | 0.00330         | 10  |                                              | 0.330                                          | 0.334 ± 0.006                                |                                       |
|                           | B               | 0.00331         | 10  |                                              | 0.331                                          |                                              |                                       |
|                           | C               | 0.00332         | 10  |                                              | 0.332                                          |                                              |                                       |
|                           | D               | 0.00343         | 10  |                                              | 0.343                                          |                                              |                                       |
| 100                       | A               | 0.00294         | 10  |                                              | 0.294                                          | 0.322 ± 0.037                                |                                       |
|                           | B               | 0.00371         | 10  |                                              | 0.371                                          |                                              |                                       |
|                           | C               | 0.00294         | 10  |                                              | 0.294                                          |                                              |                                       |
|                           | D               | 0.00328         | 10  |                                              | 0.328                                          |                                              |                                       |

Data Checked and Approved by Laboratory Manager (Initials): AR

# CETIS Summary Report

Report Date: 17 May-22 09:51 (p 1 of 1)  
Test Code/ID: 17AB6FA6 / 03-9711-1206

## Ceriodaphnia 7-d Survival and Reproduction Test

GEI Consultants, Inc

|                               |                                         |                                             |
|-------------------------------|-----------------------------------------|---------------------------------------------|
| Batch ID: 08-8828-3054        | Test Type: Reproduction-Survival (6-8d) | Analyst:                                    |
| Start Date: 03 May-22 10:15   | Protocol: EPA/821/R-02-013 (2002)       | Diluent: Mod-Hard Synthetic Water           |
| Ending Date: 09 May-22 10:20  | Species: Ceriodaphnia dubia             | Brine:                                      |
| Test Length: 6d 0h            | Taxon: Branchiopoda                     | Source: In-House Culture Age:               |
| Sample ID: 04-2876-4517       | Code: OS522-002A                        | Project: WET Quarterly Compliance Test (2Q) |
| Sample Date: 02 May-22 08:30  | Material: Mining Effluent               | Source: NPDES Permit #CO-0000003            |
| Receipt Date: 03 May-22 07:40 | CAS (PC):                               | Station: 002A                               |
| Sample Age: 26h (0 °C)        | Client: Ouray Silver Mines              |                                             |

## Multiple Comparison Summary

| Analysis ID  | Endpoint         | Comparison Method                 | ✓ NOEL | LOEL | TOEL | TU | PMSD  | S |
|--------------|------------------|-----------------------------------|--------|------|------|----|-------|---|
| 21-0404-8734 | 6d Reproduction  | Steel Many-One Rank Sum Test      | 100    | >100 | n/a  | 1  | 15.2% | 1 |
| 16-6208-2788 | 6d Survival Rate | Fisher Exact/Bonferroni-Holm Test | 100    | >100 | n/a  | 1  | n/a   | 1 |

## Point Estimate Summary

| Analysis ID  | Endpoint         | Point Estimate Method        | ✓ Level | %     | 95% LCL | 95% UCL | TU    | S |
|--------------|------------------|------------------------------|---------|-------|---------|---------|-------|---|
| 00-6722-0094 | 6d Reproduction  | Linear Interpolation (ICPIN) | ✓ IC5   | 98.18 | 68.1    | n/a     | 1.019 | 1 |
|              |                  |                              | ✓ IC10  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ IC15  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ IC20  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ IC25  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ IC40  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ IC50  | >100  | n/a     | n/a     | <1    |   |
| 13-4165-5660 | 6d Survival Rate | Linear Interpolation (ICPIN) | EC5     | >100  | n/a     | n/a     | <1    | 1 |
|              |                  |                              | ✓ EC10  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ EC15  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ EC20  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ EC25  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ EC40  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ EC50  | >100  | n/a     | n/a     | <1    |   |

## 6d Reproduction Summary

| Conc-% | Code | Count | Mean | 95% LCL | 95% UCL | Min | Max | Std Err | Std Dev | CV%    | %Effect |
|--------|------|-------|------|---------|---------|-----|-----|---------|---------|--------|---------|
| 0      | D    | 10    | 43.9 | 41.26   | 46.54   | 35  | 48  | 1.169   | 3.695   | 8.42%  | 0.00%   |
| 23     |      | 10    | 45.5 | 38.28   | 52.72   | 21  | 53  | 3.191   | 10.09   | 22.18% | -3.64%  |
| 45     |      | 10    | 47.4 | 44.87   | 49.93   | 41  | 53  | 1.118   | 3.534   | 7.46%  | -7.97%  |
| 89     |      | 10    | 43.6 | 37.18   | 50.02   | 25  | 52  | 2.837   | 8.972   | 20.58% | 0.68%   |
| 95     |      | 10    | 45.9 | 42.73   | 49.07   | 38  | 51  | 1.402   | 4.433   | 9.66%  | -4.56%  |
| 100    |      | 10    | 42.5 | 38.74   | 46.26   | 36  | 53  | 1.662   | 5.255   | 12.36% | 3.19%   |

## 6d Survival Rate Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min    | Max    | Std Err | Std Dev | CV%   | %Effect |
|--------|------|-------|--------|---------|---------|--------|--------|---------|---------|-------|---------|
| 0      | D    | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 23     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 45     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 89     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 95     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 100    |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |

# CETIS Summary Report

Report Date: 17 Jun-22 14:25 (p 1 of 1)  
Test Code/ID: 21FA2C8B / 05-7004-3531

## Fathead Minnow 7-d Larval Survival and Growth Test

GEI Consultants, Inc

|                               |                                   |                                             |
|-------------------------------|-----------------------------------|---------------------------------------------|
| Batch ID: 07-4063-5677        | Test Type: Growth-Survival (7d)   | Analyst:                                    |
| Start Date: 03 May-22 09:15   | Protocol: EPA/821/R-02-013 (2002) | Diluent: Mod-Hard Synthetic Water           |
| Ending Date: 10 May-22 09:05  | Species: Pimephales promelas      | Brine:                                      |
| Test Length: 7d               | Taxon: Actinopterygii             | Source: Aquatic Biosystems, CO Age:         |
| Sample ID: 11-7145-9046       | Code: OS522-002A                  | Project: WET Quarterly Compliance Test (2Q) |
| Sample Date: 02 May-22 08:30  | Material: Mining Effluent         | Source: NPDES Permit #CO-0000003            |
| Receipt Date: 03 May-22 07:40 | CAS (PC):                         | Station: 002A                               |
| Sample Age: 25h (0 °C)        | Client: Ouray Silver Mines        |                                             |

## Multiple Comparison Summary

| Analysis ID  | Endpoint            | Comparison Method                | ✓ | NOEL | LOEL | TOEL | TU | PMSD  | S |
|--------------|---------------------|----------------------------------|---|------|------|------|----|-------|---|
| 03-1062-5981 | 7d Survival Rate    | Steel Many-One Rank Sum Test     |   | 100  | >100 | n/a  | 1  | 5.6%  | 1 |
| 17-0176-6634 | Mean Dry Biomass-mg | Dunnett Multiple Comparison Test |   | 100  | >100 | n/a  | 1  | 16.4% | 1 |

## Point Estimate Summary

| Analysis ID  | Endpoint            | Point Estimate Method        | ✓ | Level | %    | 95% LCL | 95% UCL | TU | S |
|--------------|---------------------|------------------------------|---|-------|------|---------|---------|----|---|
| 08-8687-2663 | 7d Survival Rate    | Linear Interpolation (ICPIN) | ✓ | EC5   | >100 | n/a     | n/a     | <1 | 1 |
|              |                     |                              | ✓ | EC10  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | EC15  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | EC20  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | EC25  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | EC40  | >100 | n/a     | n/a     | <1 |   |
| 07-7704-3920 | Mean Dry Biomass-mg | Linear Interpolation (ICPIN) | ✓ | EC50  | >100 | n/a     | n/a     | <1 | 1 |
|              |                     |                              | ✓ | IC5   | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | IC10  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | IC15  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | IC20  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | IC25  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | IC40  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ | IC50  | >100 | n/a     | n/a     | <1 |   |

## Test Acceptability

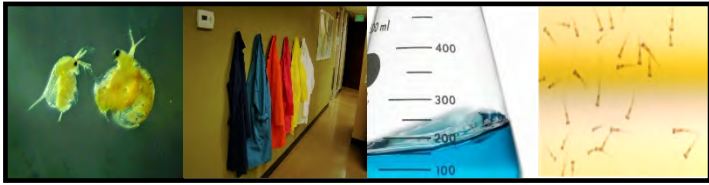
| Analysis ID  | Endpoint            | Attribute    | Test Stat | TAC Limits |       | Overlap | Decision        |
|--------------|---------------------|--------------|-----------|------------|-------|---------|-----------------|
|              |                     |              |           | Lower      | Upper |         |                 |
| 03-1062-5981 | 7d Survival Rate    | Control Resp | 1         | 0.8        | >>    | Yes     | Passes Criteria |
| 08-8687-2663 | 7d Survival Rate    | Control Resp | 1         | 0.8        | >>    | Yes     | Passes Criteria |
| 07-7704-3920 | Mean Dry Biomass-mg | Control Resp | 0.3222    | 0.25       | >>    | Yes     | Passes Criteria |
| 17-0176-6634 | Mean Dry Biomass-mg | Control Resp | 0.3222    | 0.25       | >>    | Yes     | Passes Criteria |
| 17-0176-6634 | Mean Dry Biomass-mg | PMSD         | 0.1644    | 0.12       | 0.3   | Yes     | Passes Criteria |

## 7d Survival Rate Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min    | Max    | Std Err | Std Dev | CV%   | %Effect |
|--------|------|-------|--------|---------|---------|--------|--------|---------|---------|-------|---------|
| 0      | D    | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 23     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 45     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 89     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 95     |      | 4     | 0.9750 | 0.8954  | 1.0000  | 0.9000 | 1.0000 | 0.0250  | 0.0500  | 5.13% | 2.50%   |
| 100    |      | 4     | 0.9750 | 0.8954  | 1.0000  | 0.9000 | 1.0000 | 0.0250  | 0.0500  | 5.13% | 2.50%   |

## Mean Dry Biomass-mg Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min   | Max   | Std Err  | Std Dev  | CV%    | %Effect |
|--------|------|-------|--------|---------|---------|-------|-------|----------|----------|--------|---------|
| 0      | D    | 4     | 0.3223 | 0.2777  | 0.3668  | 0.291 | 0.359 | 0.01401  | 0.02802  | 8.69%  | 0.00%   |
| 23     |      | 4     | 0.3035 | 0.2689  | 0.3381  | 0.288 | 0.335 | 0.01088  | 0.02176  | 7.17%  | 5.82%   |
| 45     |      | 4     | 0.3188 | 0.2372  | 0.4003  | 0.25  | 0.374 | 0.02563  | 0.05126  | 16.08% | 1.09%   |
| 89     |      | 4     | 0.3333 | 0.2957  | 0.3708  | 0.316 | 0.368 | 0.0118   | 0.0236   | 7.08%  | -3.41%  |
| 95     |      | 4     | 0.334  | 0.3244  | 0.3436  | 0.33  | 0.343 | 0.003028 | 0.006055 | 1.81%  | -3.65%  |
| 100    |      | 4     | 0.3218 | 0.2636  | 0.3799  | 0.294 | 0.371 | 0.01827  | 0.03654  | 11.36% | 0.16%   |



## Whole Effluent Toxicity Testing Report

**Ouray Silver Mines Inc.**

Submitted to:

**Todd Jesse**

**Ouray Silver Mines, Inc.**

PO Box 564

Ouray, CO 81427

Submitted by:

**GEI Consultants, Inc.**

**Ecological Division**

4601 DTC Boulevard, Suite L100

Denver, CO 80237

October 24, 2022

Project 2004862

Report prepared by: MH



## 1.0 Test Summary

Enclosed are the results of the chronic *Ceriodaphnia dubia* and *Pimephales promelas* tests performed September 8 to 15, 2022. Chronic toxicity test procedures followed the methods described in EPA documentation (EPA 2002) and CDPHE guidelines (CDPHE 1998). All chemistry measurements within this report (i.e. alkalinity, pH, dissolved oxygen, etc...) are support data for the WET tests and are not intended to be used as measurements for compliance purposes.

Due to a FedEx shipping issue, the second shipment of samples collected September 9, 2022 was not received within EPA recommended hold time and were also out of the EPA recommended temperature range of 1-6°C. Therefore, the first shipment was used for test initiation and renewals on days 1-4 of the test and the third shipment was used for testing and renewals from days 5-6. After discussion with Jacob Dyste with the CDPHE, approval was given for the use of only two sample shipments as numerous shipping issues have occurred in the last six months from this site. The tests are considered valid despite the deviation from protocol.

Daily temperatures were taken in the test chambers for the duration of both tests. The temperature in the *C. dubia* test differed by 6.9°C.

Poor organism performance occurred in the *C. dubia* test where poor reproduction in the "I" replicate for all test concentrations was observed; therefore, the "I" replicate in all test concentrations was excluded from all statistical analyses based on professional judgement. The *C. dubia* test was conducted for seven days; however, control performance criteria were met on day six. Therefore, data from day seven were excluded from all statistical analyses. There were no significant effects in the *C. dubia* test and control performance criteria were met.

There were no significant effects in the *P. promelas* test and control performance criteria were met.

**Table 1: Test results summary based on instream waste concentration of 89% effluent.**

| Test Species       | Survival         |      | Reproduction/Growth |      |
|--------------------|------------------|------|---------------------|------|
|                    | IC <sub>25</sub> | NOEC | IC <sub>25</sub>    | NOEC |
| <i>C. dubia</i>    | Pass             | Pass | Pass                | Pass |
| <i>P. promelas</i> | Pass             | Pass | Pass                | Pass |

Report approved by:



Ashley Romero, Laboratory Manager



Natalie Love, Laboratory Director

## 2.0 Test Conditions

### 2.1 *Ceriodaphnia dubia* and *Pimephales promelas* tests to estimate chronic toxicity

Table 2: Summary of test conditions for chronic toxicity tests.

| Parameter                           | Test Conditions                                                           |                                                |
|-------------------------------------|---------------------------------------------------------------------------|------------------------------------------------|
| Test species                        | <i>C. dubia</i>                                                           | <i>P. promelas</i>                             |
| Method                              | EPA-821-R-02-013<br>Short-Term Methods for Estimating Chronic Toxicity... |                                                |
| Sample collection procedure         | Grab                                                                      |                                                |
| Sample collection dates             | 9/7/22, 9/12/22                                                           |                                                |
| Dilution water                      | Moderately hard reconstituted water                                       |                                                |
| Test duration                       | Until at least 60% of control organisms release 3 broods                  | 7 days                                         |
| Age of organisms at start           | <24 hours old                                                             |                                                |
| Acclimation water                   | Moderately hard reconstituted water                                       | N/A                                            |
| Feeding                             | 0.1 mL YCT/ 0.1 mL <i>Selenastrum</i> daily                               | 0.15 mL <i>Artemia</i> nauplii 2 times per day |
| End point                           | Mortality, normalized reproduction                                        | Mortality, growth                              |
| Start date/time                     | 9/8/22 10:35                                                              | 9/8/22 11:50                                   |
| End date/time                       | 9/15/22 11:35                                                             | 9/15/22 11:00                                  |
| Type of exposure chamber            | 30 mL disposable plastic cup                                              | 14 oz. disposable plastic cup                  |
| Volume of exposure chamber          | 15 mL                                                                     | 250 mL                                         |
| Number of organisms exposed/chamber | 1                                                                         | 10                                             |
| Number of replicates/treatment      | 10                                                                        | 4                                              |
| Test temperature                    | 23.7°C ± 3.5°C                                                            | 24.0°C ± 1.2°C                                 |
| EPA recommended temperature         | 25.0°C ± 1.0°C                                                            | 25.0°C ± 1.0°C                                 |
| Standard toxicant used              | NaCl                                                                      | NaCl                                           |
| Aeration                            | N/A                                                                       | None                                           |
| CO <sub>2</sub> atmosphere          | None                                                                      | None                                           |

## 3.0 QA/QC Summary

### 3.1 Sample QA/QC

Table 3: Sample QA/QC Summary.

| QA Requirement                                                                             | Yes | No | N/A | Note                                                                                                                                                      |
|--------------------------------------------------------------------------------------------|-----|----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chain of Custody received                                                                  | x   |    |     |                                                                                                                                                           |
| Chain of Custody complete                                                                  | x   |    |     |                                                                                                                                                           |
| Custody Seal Intact                                                                        | x   |    |     |                                                                                                                                                           |
| Samples received within holding times                                                      | x   | x  |     | Samples collected 9/9/22 were received out of hold time and were not used for testing. All samples used in testing were within hold time and temperature. |
| Samples at correct temperature (0-6°C) or delivered the same day as samples were collected | x   | x  |     |                                                                                                                                                           |
| Samples used within 36 hours of collection                                                 | x   | x  |     |                                                                                                                                                           |

### 3.2 Test Acceptability

Table 4: Control performance criteria requirements and test results by species.

| Test Species       | Survival |                | Reproduction/Growth |                      | All Test Acceptability Criteria Met |
|--------------------|----------|----------------|---------------------|----------------------|-------------------------------------|
|                    | Test (%) | Acceptable (%) | Test (# or mg)      | Acceptable (# or mg) |                                     |
| <i>C. dubia</i>    | 100*     | ≥ 80           | 36.6                | ≥ 15.0               | Yes                                 |
| <i>P. promelas</i> | 95       | ≥ 80           | 0.556               | ≥ 0.250              | Yes                                 |

\*Due to poor organism performance in all test concentrations, Replicate "I" excluded from all statistical analyses based on professional judgment.

### 3.3 Statistical QA/QC

Table 5: Calculated and allowable PMSD upper bounds per species and concentration-response curve evaluation.

| Test Species       | Calculated PMSD | EPA PMSD Upper Bound | PMSD Acceptable | Concentration-Response Curve Validity |                     |
|--------------------|-----------------|----------------------|-----------------|---------------------------------------|---------------------|
|                    |                 |                      |                 | Survival                              | Reproduction/Growth |
| <i>C. dubia</i>    | 39              | 47                   | Yes             | Yes; Data approved                    | Yes; Data approved  |
| <i>P. promelas</i> | 13              | 30                   | Yes             | Yes; Data approved                    | Yes; Data approved  |

### 3.4 Concentration-Response Figures

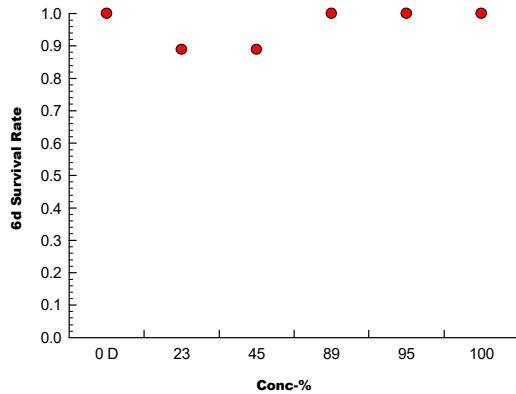


Figure 1: *C. dubia* survival

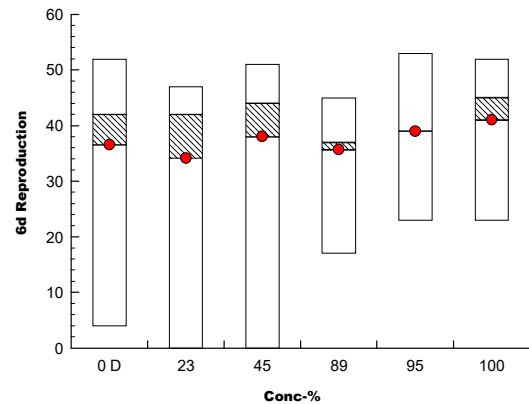


Figure 2: *C. dubia* reproduction

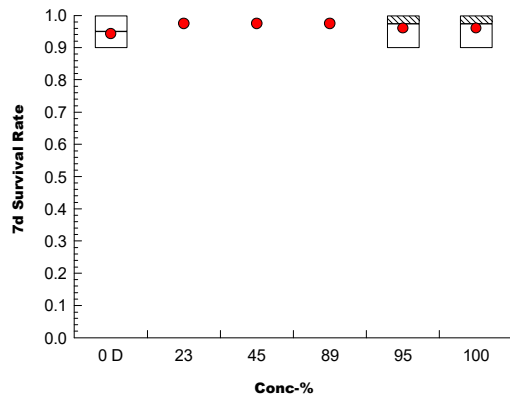


Figure 3: *P. promelas* survival

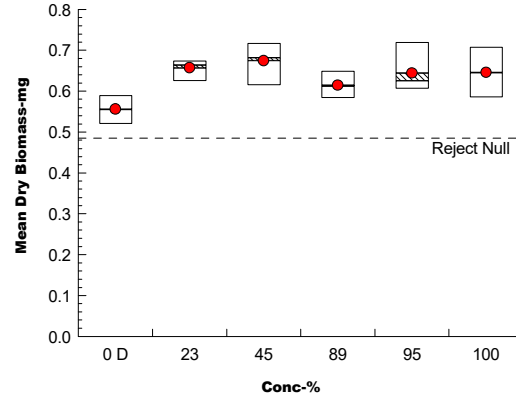


Figure 4: *P. promelas* growth

### 3.5 Reference Toxicant Summary

Table 6: Most recent reference toxicant test data summary per species.

| Species            | Test Initiation Date | Reproduction/Growth IC <sub>25</sub> (95% C.I.) | Performance Range Last 20 Tests | Within Performance Range |
|--------------------|----------------------|-------------------------------------------------|---------------------------------|--------------------------|
| <i>C. dubia</i>    | 9/27/22              | 1294.0 mg NaCl/L (106.2 to 1500.0)              | 556.3 to 1406.7                 | Yes                      |
| <i>P. promelas</i> | 9/8/22               | 1.90 g NaCl/L (unavailable)                     | 1.33 to 2.49                    | Yes                      |



## 4.0 Results

### 4.1 Chronic Toxicity Test Results

Table 7: Summary results of *C. dubia* chronic toxicity test.

|                                               |                          |                 |                 |                              |                 |                 |
|-----------------------------------------------|--------------------------|-----------------|-----------------|------------------------------|-----------------|-----------------|
| Client/Project                                | Ouray Silver Mines Inc.  |                 |                 |                              |                 |                 |
| Test Date/Time                                | Start: 9/8/22 @ 10:35    |                 |                 | End: 9/15/22 @ 11:35         |                 |                 |
| Treatment % Effluent                          | 0                        | 23              | 45              | 89                           | 95              | 100             |
| #alive/#exposed                               | 9/9*                     | 8/9*            | 8/9*            | 9/9*                         | 9/9*            | 9/9*            |
| % survival                                    | 100                      | 88.9            | 88.9            | 100                          | 100             | 100             |
| Normalized repro / # females exposed $\pm$ SD | 36.6 $\pm$ 14.9          | 34.1 $\pm$ 15.9 | 38.0 $\pm$ 16.1 | 35.7 $\pm$ 8.6               | 39.0 $\pm$ 10.5 | 41.0 $\pm$ 10.8 |
| Operators                                     | ISM, FL, ISM, KR, AL, MH |                 |                 |                              |                 |                 |
| Statistical Analysis                          | NOEC                     |                 |                 | IC <sub>25</sub> (95% C.I.)  |                 |                 |
| Survival                                      | 100% Effluent            |                 |                 | >100% Effluent (unavailable) |                 |                 |
| Normalized Reproduction                       | 100% Effluent            |                 |                 | >100% Effluent (unavailable) |                 |                 |

\*Due to poor organism performance in all test concentrations, Replicate "I" excluded from all statistical analyses based on professional judgment.

Table 8: Summary results of *P. promelas* chronic toxicity test.

|                                                |                         |                   |                   |                              |                   |                   |
|------------------------------------------------|-------------------------|-------------------|-------------------|------------------------------|-------------------|-------------------|
| Client/Project                                 | Ouray Silver Mines Inc. |                   |                   |                              |                   |                   |
| Test Date/Time                                 | Start: 9/8/22 @ 11:50   |                   |                   | End: 9/15/22 @ 11:00         |                   |                   |
| Treatment % Effluent                           | 0                       | 23                | 45                | 89                           | 95                | 100               |
| #alive/#exposed                                | 38/40                   | 40/40             | 40/40             | 40/40                        | 39/40             | 39/40             |
| % survival                                     | 95                      | 100               | 100               | 100                          | 97.5              | 97.5              |
| Dry weight (mean wt. (mg) / #exposed $\pm$ SD) | 0.556 $\pm$ 0.030       | 0.658 $\pm$ 0.022 | 0.675 $\pm$ 0.045 | 0.615 $\pm$ 0.032            | 0.645 $\pm$ 0.051 | 0.646 $\pm$ 0.059 |
| Operators                                      | AL, FL, ISM, KR, MH     |                   |                   |                              |                   |                   |
| Statistical Analysis                           | NOEC                    |                   |                   | IC <sub>25</sub> (95% C.I.)  |                   |                   |
| Survival                                       | 100% Effluent           |                   |                   | >100% Effluent (unavailable) |                   |                   |
| Growth                                         | 100% Effluent           |                   |                   | >100% Effluent (unavailable) |                   |                   |

## 4.2 Water Chemistry Results from Samples Received for Chronic Toxicity Tests

**Table 9: Wet chemistry on reconstituted water and effluent samples.**

| Measurement                                                | MH Recon Water | 100% Effluent Received 9/8/22 | 100% Effluent Received 9/13/22 |
|------------------------------------------------------------|----------------|-------------------------------|--------------------------------|
| Analysis Temperature (°C)                                  | 25.0           | 25.0                          | 25.0                           |
| Total Hardness (mg CaCO <sub>3</sub> /L)                   | 101            | 136                           | 138                            |
| pH (SU)                                                    | 8.2            | 7.5                           | 8.0                            |
| Alkalinity (mg CaCO <sub>3</sub> /L)                       | 67             | 64                            | 60                             |
| Conductivity (µmho/cm)                                     | 341            | 302                           | 306                            |
| Total Dissolved Solids Calculated from Conductivity (mg/L) | --             | 148                           | 150                            |
| Dissolved Oxygen (mg/L)                                    | 7.2            | 7.9                           | 7.5                            |
| Ammonia as N (mg NH <sub>3</sub> /L)                       | --             | 0.02                          | 0.05                           |
| Un-ionized Ammonia (mg NH <sub>3</sub> /L)                 | --             | <0.10                         | <0.10                          |
| Total Residual Chlorine (mg/L)                             | --             | 0.04                          | <0.02                          |

\*Represents an average of two reconstituted waters used.

## References

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Colorado Department of Public Health and Environment (CDPHE). 1998. Water Quality Control Division. Laboratory guidelines for conducting whole effluent toxicity tests. Denver, Colorado.

Tidepool Scientific Software. 2000-2018. CETIS - Comprehensive Environmental Toxicity Information System. V1.9.5.5. McKinleyville, CA.

U.S. Environmental Protection Agency (EPA). 2002. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. EPA-821-R-02-013. Office of Water, Washington D.C.

# Appendix A

---

Colorado CDPS WET test report forms

# COLORADO – CDPS WET TEST REPORT FORM – CHRONIC

PERMITEE NAME: Ouray Silver Mines Inc.

CDPS NO: CO-0000003

OUTFALL: 002A

TYPE TEST: ROUTINE ☒

ACCELERATED

TEST SPECIES: Ceriodaphnia dubia

Test Results:

Lethality

Growth

Reproduction

|                             |       |    |       |
|-----------------------------|-------|----|-------|
| CONC. WITH STAT. DIFFERENCE | >100% | NA | >100% |
| PASS/FAIL                   | PASS  | NA | PASS  |
| NOEC                        | 100%  | NA | 100%  |
| PASS/FAIL                   | PASS  | NA | PASS  |
| IC <sub>25</sub>            | >100% | NA | >100% |
| PASS/FAIL                   | PASS  | NA | PASS  |

STAT. METHOD USED: STATISTICAL DIFF.:

NOEC, LC<sub>50</sub>

IC<sub>25</sub>

ICp METHOD

TEST DATE/TIME: START

9/8/22 10:35

END

9/15/22 11:35

DILUTIONS (%EFFLUENT)

|                        | CONTROL* | 23%*    | 45%*    | 89%*    | 95%*    | 100%*   |
|------------------------|----------|---------|---------|---------|---------|---------|
| % SURVIVAL FOR DAY: 1  | 100      | 100     | 100     | 100     | 100     | 100     |
| 2                      | 100      | 88.9    | 100     | 100     | 100     | 100     |
| 3                      | 100      | 88.9    | 100     | 100     | 100     | 100     |
| 4                      | 100      | 88.9    | 88.9    | 100     | 100     | 100     |
| 5                      | 100      | 88.9    | 88.9    | 100     | 100     | 100     |
| 6                      | 100      | 88.9    | 88.9    | 100     | 100     | 100     |
| MEAN 3 BROOD TOTAL:    | 36.6     | 34.1    | 38.0    | 35.7    | 39.0    | 41.0    |
| 7 DAY MEAN DRY WEIGHT: |          |         |         |         |         |         |
| pH MAX/MIN:            | 8.4/8.2  | 8.5/8.2 | 8.5/8.3 | 8.5/8.2 | 8.5/8.2 | 8.5/8.2 |

MEAN HARDNESS (mg/L) RECEIVING WATER: NA EFFLUENT: 137 RECON WATER: 101

MEAN ALKALINITY (mg/L) RECEIVING WATER: NA EFFLUENT: 62 RECON WATER: 67

MEAN T. AMMONIA as N (mg/L) INITIAL EFFLUENT: 0.04 FINAL EFFLUENT: NA

MEAN T. RESIDUAL CHLORINE (mg/L) 100%: 0.03 RECEIVING WATER USED FOR DILUTIONS? (Y/N) N

WERE ALL TEST CONDITIONS IN CONFORMANCE WITH DIVISION GUIDELINES? (Y/N) Y

IF NO, LIST DEVIATIONS FROM TEST SPECIFICATIONS:

ANALYST: Michael Hendricks

SIGNATURE: 

LABORATORY: GEI Consultants, Inc./Ecological Division

DATE: 10/19/22

COMMENTS:

Due to a shipping issue, the second shipment of samples were received out of EPA recommended hold time and temperature. Renewals were completed with the first and third shipments, and the second shipment was not used for testing. This deviation from protocol was approved by Jacob Dyste with the CDPHE.

\*Due to poor organism performance in all test concentrations, Replicate "I" excluded from all statistical analyses based on professional judgment.

The temperature in the test differed by 6.9°C.

## COLORADO – CDPS WET TEST REPORT FORM – CHRONIC

 PERMITEE NAME: Ouray Silver Mines Inc.

 CDPS NO: CO-0000003

 OUTFALL: 002A

 TYPE TEST: ROUTINE ☒ ACCELERATED

 TEST SPECIES: Pimephales promelas

Test Results:

Lethality

Growth

Reproduction

|                             |       |       |    |
|-----------------------------|-------|-------|----|
| CONC. WITH STAT. DIFFERENCE | >100% | >100% | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |
| NOEC                        | 100%  | 100%  | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |
| IC <sub>25</sub>            | >100% | >100% | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |

STAT. METHOD USED: STATISTICAL DIFF.:

NOEC, LC<sub>50</sub>
IC<sub>25</sub>
ICp METHOD

 TEST DATE/TIME: START
9/8/22 11:50
END
9/15/22 11:00

DILUTIONS (%EFFLUENT)

|                        | CONTROL | 23%     | 45%     | 89%     | 95%     | 100%    |
|------------------------|---------|---------|---------|---------|---------|---------|
| % SURVIVAL FOR DAY: 1  | 100     | 100     | 100     | 100     | 100     | 100     |
| 2                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 3                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 4                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 5                      | 97.5    | 100     | 100     | 100     | 100     | 97.5    |
| 6                      | 95      | 100     | 100     | 100     | 97.5    | 97.5    |
| 7                      | 95      | 100     | 100     | 100     | 97.5    | 97.5    |
| MEAN 3 BROOD TOTAL:    |         |         |         |         |         |         |
| 7 DAY MEAN DRY WEIGHT: | 0.556   | 0.658   | 0.675   | 0.615   | 0.645   | 0.646   |
| pH MAX/MIN:            | 7.9/7.4 | 7.9/7.5 | 7.8/7.5 | 7.8/7.6 | 7.9/7.6 | 7.9/7.7 |

 MEAN HARDNESS (mg/L) RECEIVING WATER: NA EFFLUENT: 137 RECON WATER: 101

 MEAN ALKALINITY (mg/L) RECEIVING WATER: NA EFFLUENT: 62 RECON WATER: 69

 MEAN T. AMMONIA as N (mg/L) INITIAL EFFLUENT: 0.04 FINAL EFFLUENT: NA

 MEAN T. RESIDUAL CHLORINE (mg/L) 100%: 0.03 RECEIVING WATER USED FOR DILUTIONS? (Y/N) N

 WERE ALL TEST CONDITIONS IN CONFORMANCE WITH DIVISION GUIDELINES? (Y/N) Y

IF NO, LIST DEVIATIONS FROM TEST SPECIFICATIONS:

 ANALYST: Michael Hendricks

SIGNATURE:



 LABORATORY: GEI Consultants, Inc./Ecological Division

DATE:

10/19/22

COMMENTS:

Due to a shipping issue, the second shipment of samples were received out of EPA recommended hold time and temperature Renewals were completed with the first and third shipments, and the second shipment was not used for testing. This deviation from protocol was approved by Jacob Dyste with the CDPHE.

## **Appendix B**

---

**Chain-of-custody forms and laboratory bench sheets from whole effluent toxicity tests**

**G&I Consultants, Inc./Ecological Division**  
 4601 DTC BLVD., SUITE L100  
 DENVER, CO 80237  
 Main: (303) 662-0100 Lab: (303) 264-1176

(G&I Use) Log Number 05922-202A-1

**BIOASSAY LABORATORY CHAIN-OF-CUSTODY**

| CLIENT/PROJECT <u>Quay Silver Mines Inc</u><br>ADDRESS <u>1900 Main St. Unit 41 P.O. Box 564</u><br>CITY <u>Quay</u> STATE <u>CO</u> ZIP <u>81423</u><br>PHONE # <u>970-325-9830</u><br>PROJ. MANAGER <u>Todd Jess</u> SAMPLER <u>Todd Jess</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 | <b>TESTS REQUIRED</b><br><table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">ACUTE</th> <th colspan="2">CHRONIC</th> </tr> <tr> <td>C<br/>E<br/>R<br/>I<br/>O</td> <td>F<br/>A<br/>T<br/>H<br/>E<br/>A<br/>D</td> <td>T<br/>R<br/>O<br/>I<br/>O</td> <td>F<br/>A<br/>T<br/>H<br/>E<br/>A<br/>D</td> </tr> </table> |             |                    |                | ACUTE                                                                                       |            | CHRONIC                                                                              |              | C<br>E<br>R<br>I<br>O | F<br>A<br>T<br>H<br>E<br>A<br>D | T<br>R<br>O<br>I<br>O | F<br>A<br>T<br>H<br>E<br>A<br>D | <b>CHLORINE</b><br>Measured by:<br>Client<br>Lab <u>X</u> |                   | COMMENTS: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ACUTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 | CHRONIC                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |                                                                                                                                                                                                                                                                                                                                                       |             |                    |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C<br>E<br>R<br>I<br>O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | F<br>A<br>T<br>H<br>E<br>A<br>D | T<br>R<br>O<br>I<br>O                                                                                                                                                                                                                                                                                                                                                                                                  | F<br>A<br>T<br>H<br>E<br>A<br>D |                                                                                                                                                                                                                                                                                                                                                       |             |                    |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE TYPE/SITE</th> <th>Composite</th> <th>Grab</th> <th>Date Collected</th> <th>Time Collected</th> <th>TRC (mg/L)</th> <th>Date/Time Measured</th> </tr> <tr> <td><u>DEORA</u></td> <td></td> <td><u>✓</u></td> <td><u>9/7/12</u></td> <td><u>9:57am</u></td> <td><u>0.04</u></td> <td><u>9/8/12 745</u></td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table> |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 | SAMPLE TYPE/SITE                                                                                                                                                                                                                                                                                                                                      | Composite   | Grab               | Date Collected | Time Collected                                                                              | TRC (mg/L) | Date/Time Measured                                                                   | <u>DEORA</u> |                       | <u>✓</u>                        | <u>9/7/12</u>         | <u>9:57am</u>                   | <u>0.04</u>                                               | <u>9/8/12 745</u> |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SAMPLE TYPE/SITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Composite                       | Grab                                                                                                                                                                                                                                                                                                                                                                                                                   | Date Collected                  | Time Collected                                                                                                                                                                                                                                                                                                                                        | TRC (mg/L)  | Date/Time Measured |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <u>DEORA</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 | <u>✓</u>                                                                                                                                                                                                                                                                                                                                                                                                               | <u>9/7/12</u>                   | <u>9:57am</u>                                                                                                                                                                                                                                                                                                                                         | <u>0.04</u> | <u>9/8/12 745</u>  |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                                                                                                                                                                                                                                                                                                                                       |             |                    |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                                                                                                                                                                                                                                                                                                                                       |             |                    |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>PROJECT INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 | <b>LABORATORY RECEIVING INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                |                                 |                                                                                                                                                                                                                                                                                                                                                       |             |                    |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CLIENT DROP OFF: <input type="checkbox"/><br>COURIER:<br>UPS <input type="checkbox"/> FEDEX <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 | CONDITION OF SAMPLE ON RECEIPT: <u>Good</u><br>CUSTODY SEAL INTACT?: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>                                                                                                                                                                                                                                                  |                                 |                                                                                                                                                                                                                                                                                                                                                       |             |                    |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NUMBER OF CONTAINERS:<br><u>2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 | TEMPERATURE (°C): <u>5.0</u><br>TEMPERATURE IN RANGE (0-6°C): YES <input checked="" type="checkbox"/> NO <input type="checkbox"/><br>IF NOT IN RANGE, SAMPLED SAME DAY, TEMP OK?: YES <input type="checkbox"/> NO <input type="checkbox"/>                                                                                                                                                                             |                                 |                                                                                                                                                                                                                                                                                                                                                       |             |                    |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| COMMENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="vertical-align: top;"> <b>CLIENT</b><br/>         RELINQUISHED BY: <u>[Signature]</u><br/>         DATE/TIME: <u>9/7/12 / 12:15 pm</u> </td> <td colspan="2" style="vertical-align: top;"> <b>LABORATORY</b><br/>         RECEIVED BY: <u>[Signature]</u><br/>         DATE/TIME: <u>9/8/12 735</u> </td> </tr> </table> |                                 |                                                                                                                                                                                                                                                                                                                                                       |             |                    |                | <b>CLIENT</b><br>RELINQUISHED BY: <u>[Signature]</u><br>DATE/TIME: <u>9/7/12 / 12:15 pm</u> |            | <b>LABORATORY</b><br>RECEIVED BY: <u>[Signature]</u><br>DATE/TIME: <u>9/8/12 735</u> |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>CLIENT</b><br>RELINQUISHED BY: <u>[Signature]</u><br>DATE/TIME: <u>9/7/12 / 12:15 pm</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 | <b>LABORATORY</b><br>RECEIVED BY: <u>[Signature]</u><br>DATE/TIME: <u>9/8/12 735</u>                                                                                                                                                                                                                                                                                                                                   |                                 |                                                                                                                                                                                                                                                                                                                                                       |             |                    |                |                                                                                             |            |                                                                                      |              |                       |                                 |                       |                                 |                                                           |                   |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number 05922-002A-1

[illegible]

OS922-002A-3

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

[illegible]

**4601 DTC BLVD., SUITE L100  
DENVER, CO 80237  
Main: (303) 662-0100 Lab: (303) 264-1176**

(GEI Use) Log Number 05922-002-3

[illegible]

1300 Blue Spruce Drive, Suite C  
Fort Collins, Colorado 80524



Toll Free: 800/331-5916  
Tel: 970/484-5091 Fax: 970/484-2514

05922-0021A

### ORGANISM HISTORY

DATE: 9/7/2022

SPECIES: *Pimephales promelas*

AGE: N/A

LIFE STAGE: Embryo

HATCH DATE: 9/7/2022

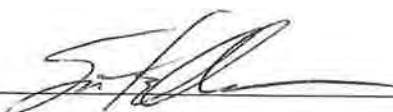
BEGAN FEEDING: N/A

FOOD: N/A

### Water Chemistry Record:

|                                           | Current  | Range |
|-------------------------------------------|----------|-------|
| TEMPERATURE:                              | 23°C     | --    |
| SALINITY/CONDUCTIVITY:                    | --       | --    |
| TOTAL HARDNESS (as CaCO <sub>3</sub> ):   | 117 mg/l | --    |
| TOTAL ALKALINITY (as CaCO <sub>3</sub> ): | 90 mg/l  | --    |
| pH:                                       | 8.30     | --    |

### Comments:

  
Facility Supervisor

# INITIAL CHEMISTRY BENCH SHEET

Client/Project: Ouray / OS922 - 002A

Samples Received: Date/Time 9/8/22 735

Test Substance: Effluent 002A

What test/s will samples be used in? Ch C/F Dilution Water lab water or receiving water

| SAMPLE TYPE<br>LOG NUMBER<br>DATE COLLECTED | DATE/TIME<br>ANALYZED | DATES USED         | ANALYSES<br>TEMP.<br>(°C) | TOTAL<br>HARDNESS<br>(mg/L) | pH<br>(SU)                         | TOTAL<br>ALKALINITY<br>(mg/L) | D.O.<br>(mg/L) | COND.<br>(µs) | TDS<br>CALCULATED<br>FROM COND.<br>(mg/L) | TRC<br>(mg/L) | AMMONIA<br>AS N<br>(mg/L) | METER<br>USED | ANALYST |
|---------------------------------------------|-----------------------|--------------------|---------------------------|-----------------------------|------------------------------------|-------------------------------|----------------|---------------|-------------------------------------------|---------------|---------------------------|---------------|---------|
| Effluent<br>OS922-1<br>9/11/22              | 9/8/22<br>1125        | 9/8/22<br>9/12/22  | 25.0                      | <u>6.8</u><br>136           | 7.5                                | <u>3.2</u><br>64              | 7.9            | 302           | 148                                       | 0.04          | 0.02                      | 1             | ISM     |
| Effluent <del>OS922-2</del> *H              | -                     | -                  | -                         | -                           | -                                  | -                             | -              | -             | -                                         | -             | -                         | -             | -       |
| Effluent<br>OS922-3<br>9/12/22              | 9/12/22<br>920        | 9/12/22<br>9/14/22 | 25.0                      | <u>6.9</u><br>138           | <u>8.0</u><br><del>7.5</del><br>49 | <u>3.0</u><br>60              | 7.5            | 306           | 150                                       | 0.02          | 0.05                      | 1             | mm      |
| AVERAGE VALUE                               |                       |                    | 25.0                      | 137                         | 7.8                                | 62                            | 7.7            | 304           | 149                                       | 0.03          | 0.04                      |               |         |

| Site<br>Daily Measurements | Day 0   | Day 1  | Day 2   | Day 3  | Day 4  | Day 5  | Day 6  | Day 7 |  |  |  |  |  |
|----------------------------|---------|--------|---------|--------|--------|--------|--------|-------|--|--|--|--|--|
| pH/initials                | 7.5/ISM | 8.0/FL | 7.9/ISM | 8.0/ER | 8.0/AL | 8.0/mt | 8.0/AL |       |  |  |  |  |  |
| pH/initials                |         |        |         |        |        |        |        |       |  |  |  |  |  |
| pH/initials                |         |        |         |        |        |        |        |       |  |  |  |  |  |
| pH/initials                |         |        |         |        |        |        |        |       |  |  |  |  |  |

COMMENTS: \* Due to Shipping issue, Samples collected 9/9/22 were not used for testing.

Samples stored in refrigerator: N

Data Checked and Approved by Laboratory Manager (Initials): NL

# RECONSTITUTED SYNTHETIC LABORATORY WATER CHEMISTRY BENCH SHEET

Client/Project: Ouray /OS922 - 002A

Test Substance: Effluent 002A

Analyst: MH

What test/s will  
samples be used in? Ch C/F

Test/s Start Date: 9/8/22

| BATCH #       | ANALYSES<br>TEMP.<br>(°C) | TOTAL<br>HARDNESS<br>(mg/L)        | pH<br>(SU) | TOTAL<br>ALKALINITY<br>(mg/L)                   | D.O.<br>(mg/L)                                   | COND.<br>(µS)                                      |
|---------------|---------------------------|------------------------------------|------------|-------------------------------------------------|--------------------------------------------------|----------------------------------------------------|
| MH183         | 25.0                      | <del>96</del> <sup>96</sup><br>106 | 8.2        | <del>66</del> <sup>68</sup><br>66 <sub>MH</sub> | <del>7.4</del> <sup>2</sup><br>7.4 <sub>MH</sub> | <del>338</del> <sup>344</sup><br>338 <sub>MH</sub> |
| MH 210        | 25.0                      | 96                                 | 8.2        | 66                                              | 7.1                                              | 338                                                |
|               |                           |                                    |            |                                                 |                                                  |                                                    |
|               |                           |                                    |            |                                                 |                                                  |                                                    |
|               |                           |                                    |            |                                                 |                                                  |                                                    |
|               |                           |                                    |            |                                                 |                                                  |                                                    |
|               |                           |                                    |            |                                                 |                                                  |                                                    |
|               |                           |                                    |            |                                                 |                                                  |                                                    |
|               |                           |                                    |            |                                                 |                                                  |                                                    |
|               |                           |                                    |            |                                                 |                                                  |                                                    |
| AVERAGE VALUE | 25.0                      | 101                                | 8.2        | 67                                              | 7.2                                              | 341                                                |

COMMENTS:



# CHRONIC TOXICITY CHEMISTRY BENCH SHEET

START Date: 9/8/22

FINISH Date: 9/15/22

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS922 - 002A

Organism: C. dubia

| Test Conc.                 | Chemical Parameter | Day of Test |      |      |      |      |      |      |  | COMMENTS                  |
|----------------------------|--------------------|-------------|------|------|------|------|------|------|--|---------------------------|
|                            |                    | 1           | 2    | 3    | 4    | 5    | 6    | 7    |  |                           |
| 0                          | DO (mg/L)          | 7.0         | 6.9  | 7.0  | 6.6  | 6.4  | 6.8  | 6.7  |  |                           |
|                            | Cond. (µS)         | 409         | 409  | 383  | 392  | 400  | 386  | 378  |  |                           |
|                            | pH                 | 8.4         | 8.4  | 8.4  | 8.4  | 8.2  | 8.2  | 8.3  |  |                           |
|                            | Temp. (°C)         | 26.2        | 23.2 | 26.0 | 25.7 | 22.0 | 25.1 | 24.1 |  |                           |
| 23                         | DO (mg/L)          | 7.0         | 6.9  | 6.7  | 6.6  | 6.3  | 6.8  | 6.6  |  |                           |
|                            | Cond. (µS)         | 396         | 380  | 366  | 386  | 398  | 383  | 367  |  |                           |
|                            | pH                 | 8.5         | 8.5  | 8.4  | 8.4  | 8.2  | 8.2  | 8.3  |  |                           |
|                            | Temp. (°C)         | 25.8        | 23.3 | 25.6 | 25.6 | 24.9 | 23.1 | 24.1 |  |                           |
| 45                         | DO (mg/L)          | 7.0         | 6.8  | 6.9  | 6.7  | 6.4  | 6.9  | 6.6  |  |                           |
|                            | Cond. (µS)         | 371         | 370  | 361  | 372  | 401  | 387  | 339  |  |                           |
|                            | pH                 | 8.5         | 8.4  | 8.4  | 8.4  | 8.3  | 8.3  | 8.3  |  |                           |
|                            | Temp. (°C)         | 25.6        | 23.3 | 27.1 | 24.3 | 20.2 | 24.2 | 25.5 |  |                           |
| 89                         | DO (mg/L)          | 7.1         | 6.8  | 6.8  | 6.7  | 6.5  | 7.0  | 6.6  |  |                           |
|                            | Cond. (µS)         | 343         | 341  | 332  | 350  | 368  | 355  | 339  |  |                           |
|                            | pH                 | 8.5         | 8.4  | 8.4  | 8.4  | 8.3  | 8.3  | 8.2  |  |                           |
|                            | Temp. (°C)         | 26.0        | 23.2 | 26.0 | 25.3 | 20.9 | 23.3 | 25.9 |  |                           |
| 95                         | DO (mg/L)          | 7.1         | 6.9  | 6.8  | 6.8  | 6.5  | 7.0  | 6.6  |  |                           |
|                            | Cond. (µS)         | 337         | 339  | 335  | 344  | 362  | 358  | 339  |  |                           |
|                            | pH                 | 8.5         | 8.4  | 8.4  | 8.5  | 8.3  | 8.3  | 8.2  |  |                           |
|                            | Temp. (°C)         | 24.1        | 23.2 | 25.5 | 25.4 | 23.6 | 23.9 | 25.6 |  |                           |
| 100                        | DO (mg/L)          | 7.1         | 6.8  | 6.9  | 6.8  | 6.5  | 7.0  | 6.6  |  | TECH ERROR - NOT RECORDED |
|                            | Cond. (µS)         | 333         | 328  | 321  | 335  | 369  | 356  | 342  |  |                           |
|                            | pH                 | ★           | 8.4  | 8.4  | 8.5  | 8.3  | 8.3  | 8.2  |  |                           |
|                            | Temp. (°C)         | 25.0        | 23.2 | 26.4 | 25.7 | 23.6 | 22.5 | 25.2 |  |                           |
| Incubator Temperature (°C) |                    | 26.5        | 26.5 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |  | Max: <del>26.5</del> 27.1 |
| Analyst                    |                    | FL          | BM   | KR   | AL   | KR   | MIT  | MIT  |  | Min: 20.2                 |
| Time Analyzed              |                    | 1045        | 1425 | 1055 | 1225 | 1620 | 1340 | 1220 |  | Range: 6.9                |
| Environmental Chamber      |                    | W           | W    | W    | W    | W    | W    | W    |  | Mean: 23.7 ± 3.5          |
| Meter Number               |                    | 1           | 1    | 1    | 1    | 1    | 1    | 1    |  |                           |

Data from day seven excluded from all statistical analysis

Data Checked and Approved by Laboratory Manager (Initials): NL

# CHRONIC TOXICITY CHEMISTRY BENCH SHEET

START Date: 9/8/22

FINISH Date: 9/15/22

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS922 - 002A

Organism: P. promelas

| Test Conc.                 | Chemical Parameter | Day of Test |      |      |      |      |      |      |  | COMMENTS         |
|----------------------------|--------------------|-------------|------|------|------|------|------|------|--|------------------|
|                            |                    | 1           | 2    | 3    | 4    | 5    | 6    | 7    |  |                  |
| 0                          | DO (mg/L)          | 5.4         | 5.9  | 5.7  | 5.5  | 5.3  | 5.7  | 5.8  |  |                  |
|                            | Cond. (µS)         | 330         | 359  | 358  | 364  | 349  | 346  | 346  |  |                  |
|                            | pH                 | 7.4         | 7.8  | 7.9  | 7.9  | 7.7  | 7.8  | 7.9  |  |                  |
|                            | Temp. (°C)         | 24.2        | 24.1 | 24.0 | 24.5 | 24.4 | 24.1 | 24.7 |  |                  |
| 23                         | DO (mg/L)          | 5.4         | 5.5  | 5.6  | 5.4  | 5.0  | 5.5  | 5.8  |  |                  |
|                            | Cond. (µS)         | 327         | 348  | 347  | 348  | 338  | 336  | 339  |  |                  |
|                            | pH                 | 7.5         | 7.9  | 7.9  | 7.9  | 7.7  | 7.8  | 7.8  |  |                  |
|                            | Temp. (°C)         | 24.4        | 24.0 | 24.3 | 25.1 | 22.8 | 24.3 | 24.8 |  |                  |
| 45                         | DO (mg/L)          | 5.4         | 5.4  | 5.6  | 5.2  | 4.5  | 5.4  | 5.3  |  |                  |
|                            | Cond. (µS)         | 322         | 342  | 344  | 348  | 337  | 332  | 338  |  |                  |
|                            | pH                 | 7.5         | 7.8  | 7.8  | 7.8  | 7.6  | 7.8  | 7.8  |  |                  |
|                            | Temp. (°C)         | 24.6        | 23.9 | 24.0 | 24.2 | 23.6 | 23.8 | 24.5 |  |                  |
| 89                         | DO (mg/L)          | 5.4         | 5.3  | 5.6  | 5.4  | 4.7  | 5.4  | 5.4  |  |                  |
|                            | Cond. (µS)         | 311         | 318  | 317  | 320  | 314  | 314  | 319  |  |                  |
|                            | pH                 | 7.6         | 7.8  | 7.8  | 7.8  | 7.7  | 7.8  | 7.8  |  |                  |
|                            | Temp. (°C)         | 24.3        | 23.9 | 24.0 | 24.4 | 23.6 | 24.0 | 24.7 |  |                  |
| 95                         | DO (mg/L)          | 5.3         | 5.3  | 5.6  | 5.4  | 4.9  | 5.5  | 5.5  |  |                  |
|                            | Cond. (µS)         | 309         | 315  | 316  | 317  | 311  | 314  | 318  |  |                  |
|                            | pH                 | 7.6         | 7.8  | 7.8  | 7.9  | 7.7  | 7.8  | 7.8  |  |                  |
|                            | Temp. (°C)         | 24.3        | 23.9 | 23.9 | 24.2 | 23.7 | 23.8 | 24.7 |  |                  |
| 100                        | DO (mg/L)          | 5.3         | 5.4  | 5.6  | 5.3  | 4.9  | 5.6  | 5.4  |  |                  |
|                            | Cond. (µS)         | 314         | 312  | 311  | 313  | 309  | 311  | 316  |  |                  |
|                            | pH                 | 7.7         | 7.8  | 7.9  | 7.8  | 7.7  | 7.9  | 7.8  |  |                  |
|                            | Temp. (°C)         | 24.3        | 23.9 | 23.8 | 24.5 | 24.1 | 24.2 | 24.5 |  |                  |
| Incubator Temperature (°C) |                    | 25.5        | 25.0 | 26.0 | 25.5 | 25.5 | 25.5 | 25.5 |  | Max: 25.1        |
| Analyst                    |                    | FL          | ISM  | KR   | AL   | FL   | MH   | ISM  |  | Min: 22.8        |
| Time Analyzed              |                    | 1130        | 1300 | 1210 | 1520 | 1155 | 1045 | 1105 |  | Range: 2.3       |
| Environmental Chamber      |                    | V           | V    | V    | V    | V    | ✓    | V    |  | Mean: 24.6 ± 1.2 |
| Meter Number               |                    | 1           | 1    | 1    | 1    | 1    | 1    | 1    |  |                  |

Data Checked and Approved by Laboratory Manager (Initials): NL



START Date/Time: 9/8/22 1035

FINISH Date/Time: 9/15/22 1135

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS922 - 002A

Begun By: ISM

| Conc.  | Day | Replicate      |                 |    |    |    |    |    |                 |                |                | D.O.<br>(mg/L) | Analyst | Time<br>Renewed<br>and Fed | NOTES:                                                                                                         |
|--------|-----|----------------|-----------------|----|----|----|----|----|-----------------|----------------|----------------|----------------|---------|----------------------------|----------------------------------------------------------------------------------------------------------------|
|        |     | A              | B               | C  | D  | E  | F  | G  | H               | I              | J              |                |         |                            |                                                                                                                |
| 0      | 1   | 0              |                 |    |    |    |    |    |                 |                | 0              | 7.2            | FL      | 955                        |                                                                                                                |
|        | 2   | 0              |                 |    |    |    |    |    |                 |                | 0              | 7.6            | ISM     | 1200                       |                                                                                                                |
|        | 3   | 10             | 9               | 6  | 7  | 6  | 6  | 8  | 0               | 5 <sup>A</sup> | 8              | 7.2            | KR      | 1000                       |                                                                                                                |
|        | 4   | 0              | 12              | 0  | 11 | 0  | 16 | 0  |                 |                | 0              | 7.4            | AL      | 1100                       |                                                                                                                |
|        | 5   | 8              | 0               | 18 | 0  | 17 | 0  | 17 | 4 <sup>A</sup>  | 0              | 10             | 7.1            | MH      | 1235                       |                                                                                                                |
|        | 6   | 18             | 26              | 28 | 25 | 18 | 20 | 18 | 0               | 0              | 3              | 7.3            | MH      | 1135                       |                                                                                                                |
|        | 7   | 0 <sup>A</sup> | 11 <sup>A</sup> | 0  | 23 | 0  | 23 | 0  | 0 <sup>A</sup>  | 0 <sup>A</sup> | 5 <sup>A</sup> | —              | MH      | 1135                       |                                                                                                                |
|        | 8   |                |                 |    |    |    |    |    |                 |                |                |                |         |                            |                                                                                                                |
| TOTALS |     | 36             | 47              | 52 | 43 | 41 | 42 | 43 | 40 <sup>A</sup> | 5 <sup>A</sup> | 21             |                |         |                            | Summarized Results:<br># live adults 819<br>mean reprod. ± S.D. 40.6 ± 9.2<br>norm. reprod. ± S.D. 36.6 ± 14.9 |

| Conc.  | Day | Replicate |                 |                |                |                |    |                |    |                |                | D.O.<br>(mg/L) | Analyst | NOTES:                                                                                 |
|--------|-----|-----------|-----------------|----------------|----------------|----------------|----|----------------|----|----------------|----------------|----------------|---------|----------------------------------------------------------------------------------------|
|        |     | A         | B               | C              | D              | E              | F  | G              | H  | I              | J              |                |         |                                                                                        |
| 23     | 1   | 0         |                 |                |                |                |    |                |    |                | 0              | 7.2            | FL      |                                                                                        |
|        | 2   | 0         | 0               | 0 <sup>A</sup> | 0              |                |    |                |    |                | 0              | 7.4            | ISM     |                                                                                        |
|        | 3   | 6         | 8               | 1              | 7              | 7              | 4  | 6              | 0  | 0              | 5              | 7.1            | KR      |                                                                                        |
|        | 4   | 0         | 12              |                | 0              | 14             | 0  | 0 <sup>A</sup> | 8  | 0 <sup>A</sup> | 0              | 7.4            | AL      |                                                                                        |
|        | 5   | 15        | 0               |                | 16             | 0              | 16 | 0              | 0  | 0              | 19             | 6.8            | MH      |                                                                                        |
|        | 6   | 26        | 26              |                | 24             | 25             | 22 | 19             | 18 | 0 <sup>A</sup> | 4 <sup>A</sup> | 7.2            | MH      |                                                                                        |
|        | 7   | 0         | 14 <sup>A</sup> |                | 0 <sup>A</sup> | 0 <sup>A</sup> | 0  | 6 <sup>A</sup> | 18 | 0 <sup>A</sup> | 2 <sup>A</sup> | —              | MH      |                                                                                        |
|        | 8   |           |                 |                |                |                |    |                |    |                |                |                |         |                                                                                        |
| TOTALS |     | 47        | 46              | 0 <sup>A</sup> | 47             | 46             | 42 | 25             | 26 | 0 <sup>A</sup> | 28             |                |         | Summarized Results:<br># live adults 819<br>normalized reproduction ± S.D. 34.1 ± 15.9 |

| Conc.  | Day | Replicate      |    |                |    |                |    |    |                |                 |                | D.O.<br>(mg/L) | Analyst | NOTES:                                                                                 |
|--------|-----|----------------|----|----------------|----|----------------|----|----|----------------|-----------------|----------------|----------------|---------|----------------------------------------------------------------------------------------|
|        |     | A              | B  | C              | D  | E              | F  | G  | H              | I               | J              |                |         |                                                                                        |
| 45     | 1   | 0              |    |                |    |                |    |    |                |                 | 0              | 7.2            | FL      |                                                                                        |
|        | 2   | 0              |    |                |    |                |    |    |                |                 | 0              | 7.6            | ISM     |                                                                                        |
|        | 3   | 8              | 9  | 6              | 5  | 5              | 3  | 9  | 0              | 7               | 6              | 7.3            | KR      |                                                                                        |
|        | 4   | 14             | 0  | 13             | 14 | 0              | 12 | 13 | 0 <sup>A</sup> | 0               | 0              | 7.5            | AL      |                                                                                        |
|        | 5   | 0              | 16 | 0              | 0  | 19             | 0  | 0  |                | 12              | 13             | 6.9            | MH      |                                                                                        |
|        | 6   | 29             | 26 | 26             | 27 | 20             | 19 | 6  |                | 8               | 24             | 7.2            | MH      |                                                                                        |
|        | 7   | 5 <sup>A</sup> | 0  | 1 <sup>A</sup> | 18 | 0 <sup>A</sup> | 17 | 13 |                | 2 <sup>A</sup>  | 0 <sup>A</sup> | —              | MH      |                                                                                        |
|        | 8   |                |    |                |    |                |    |    |                |                 |                |                |         |                                                                                        |
| TOTALS |     | 51             | 51 | 45             | 46 | 44             | 34 | 28 | 0 <sup>A</sup> | 29 <sup>A</sup> | 43             |                |         | Summarized Results:<br># live adults 819<br>normalized reproduction ± S.D. 38.0 ± 16.1 |

|            |       |     |       |       |
|------------|-------|-----|-------|-------|
| Board Used | 8129A | Cup | 8130A | 8130B |
|            | 9     | 29  | 38    | 56    |
|            | 11    | 12  | 51    | 52    |
|            | 51    | 60  |       |       |

A - Dead/undeveloped neonates; number not recorded.

\* - Fourth brood excluded from total.

Data used for Statistical Analyses: 6 Day 7 Day 8 Day

|                              |              |
|------------------------------|--------------|
| Date/time adults isolated    | 9/17/22 1430 |
| Date/time neonates harvested | 9/17/22 1730 |

+ Replicate I Removed From all Statistical analyses based on Professional judgement.

Template number 1

Data Checked and Approved by Laboratory Manager (Initials): ML

START Date/Time: 9/8/22 1035

FINISH Date/Time: 9/15/22 1135

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS922 - 002A

Begun By: ISM

| Conc.  | Day | Replicate      |                |                |                 |                |                |                |                |                 |                | D.O.<br>(mg/L) | Analyst | Time<br>Renewed<br>and Fed | NOTES:              |                                |
|--------|-----|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|---------|----------------------------|---------------------|--------------------------------|
|        |     | A              | B              | C              | D               | E              | F              | G              | H              | I               | J              |                |         |                            |                     |                                |
| 89     | 1   | 0              |                |                |                 |                |                |                |                |                 | 0              | 7.4            | FL      | 955                        |                     |                                |
|        | 2   | 0              |                |                |                 |                |                |                |                |                 | 0              | 7.6            | ISM     | 1200                       |                     |                                |
|        | 3   | 8              | 4              | 0              | 6               | 1              | 4              | 5              | 8              | 0 <sup>a</sup>  | 0              | 7.9            | KR      | 1000                       |                     |                                |
|        | 4   | 9 <sup>a</sup> | 2 <sup>a</sup> | 6              | 13              | 9              | 0              | 14             | 13             | 1               | 0              | 7.8            | AL      | 1100                       |                     |                                |
|        | 5   | 0              |                |                |                 | 0              | 10             | 0              | 0              |                 | 5              | 7.6            | MH      | 1235                       |                     |                                |
|        | 6   | 28             | 29             | 28             | 20              | 27             | 24             | 22             | 8 <sup>a</sup> |                 | 12             | 7.3            | MH      | 1130                       | Summarized Results: |                                |
|        | 7   | 0 <sup>a</sup> | 4 <sup>a</sup> | 5 <sup>a</sup> | 11 <sup>a</sup> | 0 <sup>a</sup> | 0 <sup>a</sup> | 1 <sup>a</sup> | 0 <sup>a</sup> |                 | 4 <sup>a</sup> | —              | MH      | 1135                       |                     |                                |
|        | 8   |                |                |                |                 |                |                |                |                |                 |                |                |         |                            | # live adults       | normalized reproduction ± S.D. |
| TOTALS |     | 45             | 35             | 31             | 39              | 37             | 44             | 41             | 29             | 00 <sup>r</sup> | 17             |                |         |                            | 9/9                 | 35.7 ± 8.6                     |

| Conc.  | Day | Replicate      |                |                |    |                |                |                |                |                 |                | D.O.<br>(mg/L)   | Analyst | NOTES:              |                                |
|--------|-----|----------------|----------------|----------------|----|----------------|----------------|----------------|----------------|-----------------|----------------|------------------|---------|---------------------|--------------------------------|
|        |     | A              | B              | C              | D  | E              | F              | G              | H              | I               | J              |                  |         |                     |                                |
| 95     | 1   | 0              |                |                |    |                |                |                |                |                 | 0              | 7.7              | FL      | 08.0                |                                |
|        | 2   | 0              |                |                |    |                |                |                |                |                 | 0              | 7.6 <sup>a</sup> | ISM     |                     |                                |
|        | 3   | 7              | 8              | 0              | 0  | 6              | 8              | 0              | 8              | 4               | 6              | 8.0              | KR      |                     |                                |
|        | 4   | 0              | 13             | 6              | 8  | 0 <sup>a</sup> | 0              | 2 <sup>a</sup> | 12             | 0 <sup>a</sup>  | 0              | 7.8              | AL      |                     |                                |
|        | 5   | 8              | 0              | 0 <sup>a</sup> | 10 | 0              | 18             | 0              | 0              | 0               | 17             | 7.1              | MH      |                     |                                |
|        | 6   | 24             | 28             | 18             | 22 | 28             | 27             | 21             | 24             | 5               | 16             | 7.4              | MH      | Summarized Results: |                                |
|        | 7   | 0 <sup>a</sup> | 0 <sup>a</sup> | 0              | 0  | 3 <sup>a</sup> | 3 <sup>a</sup> | 27             | 3 <sup>a</sup> | 3 <sup>a</sup>  | 0 <sup>a</sup> | —                | MH      |                     |                                |
|        | 8   |                |                |                |    |                |                |                |                |                 |                |                  |         | # live adults       | normalized reproduction ± S.D. |
| TOTALS |     | 39             | 49             | 24             | 46 | 34             | 53             | 23             | 44             | 17 <sup>a</sup> | 39             |                  |         | 9/9                 | 39.0 ± 10.5                    |

| Conc.  | Day | Replicate |                |    |    |    |                |                |                 |                 |                 | D.O.<br>(mg/L) | Analyst | NOTES:              |                                |
|--------|-----|-----------|----------------|----|----|----|----------------|----------------|-----------------|-----------------|-----------------|----------------|---------|---------------------|--------------------------------|
|        |     | A         | B              | C  | D  | E  | F              | G              | H               | I               | J               |                |         |                     |                                |
| 100    | 1   | 0         |                |    |    |    |                |                |                 |                 | 0               | 8.2            | FL      |                     |                                |
|        | 2   | 0         |                |    |    |    |                |                |                 |                 | 0               | 8.2            | ISM     |                     |                                |
|        | 3   | 7         | 6              | 4  | 8  | 3  | 5              | 0              | 7               | 0               | 6               | 7.0            | KR      |                     |                                |
|        | 4   | 17        | 16             | 0  | 14 | 3  | 15             | 18             | 12 <sup>a</sup> | 0 <sup>a</sup>  | 7 <sup>a</sup>  | 7.5            | AL      |                     |                                |
|        | 5   | 0         | 0              | 13 | 0  | 0  | 0              | 0              | 0               | 0               | 0               | 8.0            | MH      |                     |                                |
|        | 6   | 28        | 28             | 22 | 27 | 18 | 25             | 22             | 28              | 0               | 10 <sup>a</sup> | 8.1            | MH      | Summarized Results: |                                |
|        | 7   | 26        | 4 <sup>a</sup> | 0  | 22 | 0  | 6 <sup>a</sup> | 5 <sup>a</sup> | 8 <sup>a</sup>  | 3 <sup>a</sup>  | 3 <sup>a</sup>  | —              | MH      |                     |                                |
|        | 8   |           |                |    |    |    |                |                |                 |                 |                 |                |         | # live adults       | normalized reproduction ± S.D. |
| TOTALS |     | 52        | 50             | 39 | 49 | 24 | 45             | 40             | 47              | 37 <sup>a</sup> | 23              |                |         | 9/9                 | 41.0 ± 10.8                    |

|            |        |    |    |    |            |    |    |    |        |    |
|------------|--------|----|----|----|------------|----|----|----|--------|----|
| Board Used | 8/29 A |    |    |    | Cup 8/30 A |    |    |    | 8/30 B |    |
|            | 9      | 29 | 38 | 56 | 11         | 12 | 51 | 52 | 51     | 60 |

Δ - Dead/undeveloped neonates; number not recorded.

\* - Fourth brood excluded from total.

Data used for Statistical Analyses: 6 Day 7 Day 8 Day

|                              |              |
|------------------------------|--------------|
| Date/time adults isolated    | 9/17/22 1430 |
| Date/time neonates harvested | 9/17/22 1730 |

+ Replicate I removed from all Statistical Analyses based on professional judgement

Template number 1

Data Checked and Approved by Laboratory Manager (Initials): NL

# FATHEAD MINNOW 7-DAY CHRONIC TOXICITY TEST BENCH SHEET

START Date/Time: 9/8/22 1150

FINISH Date/Time: 9/15/22 1100

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS922 - 002A

Begun By: AL

| CONCENTRATION &<br>REPLICATE |   | Number alive/day of test |      |      |      |      |      |      |      | #alive/<br># exposed<br>(% survival) | COMMENTS |
|------------------------------|---|--------------------------|------|------|------|------|------|------|------|--------------------------------------|----------|
|                              |   | Start                    | 1    | 2    | 3    | 4    | 5    | 6    | 7    |                                      |          |
| 0                            | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 38/40<br><br>95%                     |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 9    | 9    |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 9    | 9    | 9    |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
| 23                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 40/40<br><br>100%                    |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
| 45                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 40/40<br><br>100%                    |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
| 89                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 40/40<br><br>100%                    |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
| 95                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 39/40<br><br>97.5%                   |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 9    | 9    |                                      |          |
| 100                          | A | 10                       | 10   | 10   | 10   | 10   | 9    | 9    | 9    | 39/40<br><br>97.5%                   |          |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                      |          |
| ANALYST                      |   | AL                       | FL   | ISM  | KR   | AL   | MH   | MH   | AL   |                                      |          |
| TIME FED AM                  |   | 945                      | 825  | 810  | 740  | 720  | 730  | 1115 | 630  |                                      |          |
| TIME FED PM                  |   | 1600                     | 1615 | 1600 | 1405 | 1615 | 1645 | 1725 | —    |                                      |          |
| TIME RENEWED                 |   | 1150                     | 1130 | 1305 | 1215 | 1405 | 1155 | 1400 | 1100 |                                      |          |

Template Number 11

Data Checked and Approved by Laboratory Manager (Initials): NL

# FATHEAD MINNOW 7-DAY CHRONIC TOXICITY WEIGHT BENCH SHEET

DRYING START Date/Time: 9/15/22 1155 Temp. 51.0 °C END Date/Time: 9/16/22 1445 Temp. 60.0 °C

Client/Project: Ouray /OS922 - 002A

Analyst: JMS

| CONTROLS & REPLICATE      | Larvae Wt. (g.) | # FISH          |     | MEAN WT<br>Weight/Surviving Fish/Rep<br>(mg) | MEAN WT<br>Mean Weight/Surv. Fish<br>(mg) ± SD | GROWTH<br>Weight/Fish Exposed/Rep<br>(mg.)   | GROWTH<br>Mean Wt/fish exp. (mg) ± SD |
|---------------------------|-----------------|-----------------|-----|----------------------------------------------|------------------------------------------------|----------------------------------------------|---------------------------------------|
|                           |                 | BEGIN           | END |                                              |                                                |                                              |                                       |
| 0                         | A               | 0.00546         | 10  | 10                                           | 0.546                                          | 0.587<br>± 0.035                             | 0.556<br>± 0.030                      |
|                           | B               | 0.00568         | 10  | 9                                            | 0.631                                          |                                              |                                       |
|                           | C               | 0.00521         | 10  | 9                                            | 0.579                                          |                                              |                                       |
|                           | D               | 0.00590         | 10  | 10                                           | 0.590                                          |                                              |                                       |
| A                         |                 |                 |     |                                              |                                                |                                              |                                       |
| B                         |                 |                 |     |                                              |                                                |                                              |                                       |
| C                         |                 |                 |     |                                              |                                                |                                              |                                       |
| D                         |                 |                 |     |                                              |                                                |                                              |                                       |
| CONCENTRATION & REPLICATE | Larvae Wt. (g.) | # Fish<br>Begin |     | GROWTH<br>Weight/Fish Exposed/Rep (mg.)      |                                                | GROWTH<br>Mean Weight/Fish Exposed (mg) ± SD |                                       |
| 23                        | A               | 0.00626         | 10  | 10                                           | 0.626                                          | 0.658 ± 0.022                                |                                       |
|                           | B               | 0.00658         | 10  | 10                                           | 0.658                                          |                                              |                                       |
|                           | C               | 0.00674         | 10  | 10                                           | 0.674                                          |                                              |                                       |
|                           | D               | 0.00672         | 10  | 10                                           | 0.672                                          |                                              |                                       |
| 45                        | A               | 0.00699         | 10  | 10                                           | 0.699                                          | 0.675 ± 0.045                                |                                       |
|                           | B               | 0.00666         | 10  | 10                                           | 0.666                                          |                                              |                                       |
|                           | C               | 0.00718         | 10  | 10                                           | 0.718                                          |                                              |                                       |
|                           | D               | 0.00616         | 10  | 10                                           | 0.616                                          |                                              |                                       |
| 89                        | A               | 0.00584         | 10  | 10                                           | 0.584                                          | 0.615 ± 0.032                                |                                       |
|                           | B               | 0.00650         | 10  | 10                                           | 0.650                                          |                                              |                                       |
|                           | C               | 0.00634         | 10  | 10                                           | 0.634                                          |                                              |                                       |
|                           | D               | 0.00591         | 10  | 10                                           | 0.591                                          |                                              |                                       |
| 95                        | A               | 0.00720         | 10  | 10                                           | 0.720                                          | 0.645 ± 0.051                                |                                       |
|                           | B               | 0.00607         | 10  | 10                                           | 0.607                                          |                                              |                                       |
|                           | C               | 0.00617         | 10  | 10                                           | 0.617                                          |                                              |                                       |
|                           | D               | 0.00635         | 10  | 10                                           | 0.635                                          |                                              |                                       |
| 100                       | A               | 0.00586         | 10  | 10                                           | 0.586                                          | 0.646 ± 0.059                                |                                       |
|                           | B               | 0.00708         | 10  | 10                                           | 0.708                                          |                                              |                                       |
|                           | C               | 0.00607         | 10  | 10                                           | 0.607                                          |                                              |                                       |
|                           | D               | 0.00684         | 10  | 10                                           | 0.684                                          |                                              |                                       |

Data Checked and Approved by Laboratory Manager (Initials): NL

# CETIS Summary Report

Replicate I excluded

Report Date: 15 Sep-22 08:30 (p 1 of 1)  
Test Code/ID: 26B455F9 / 06-4935-2697

## Ceriodaphnia 7-d Survival and Reproduction Test

GEI Consultants, Inc

|                                     |                                                |                                                    |
|-------------------------------------|------------------------------------------------|----------------------------------------------------|
| <b>Batch ID:</b> 08-6980-5177       | <b>Test Type:</b> Reproduction-Survival (6-8d) | <b>Analyst:</b>                                    |
| <b>Start Date:</b> 08 Sep-22 10:35  | <b>Protocol:</b> EPA/821/R-02-013 (2002)       | <b>Diluent:</b> Mod-Hard Synthetic Water           |
| <b>Ending Date:</b> 14 Sep-22 11:30 | <b>Species:</b> Ceriodaphnia dubia             | <b>Brine:</b>                                      |
| <b>Test Length:</b> 6d 1h           | <b>Taxon:</b> Branchiopoda                     | <b>Source:</b> In-House Culture <b>Age:</b>        |
| <b>Sample ID:</b> 12-9488-3689      | <b>Code:</b> OS922-002A                        | <b>Project:</b> WET Quarterly Compliance Test (3Q) |
| <b>Sample Date:</b> 07 Sep-22 9:51  | <b>Material:</b> Mining Effluent               | <b>Source:</b> NPDES Permit #CO-0000003            |
| <b>Receipt Date:</b> 08 Sep-22 7:35 | <b>CAS (PC):</b>                               | <b>Station:</b> 002A                               |
| <b>Sample Age:</b> 35h 25m          | <b>Client:</b> Ouray Silver Mines              |                                                    |

## Multiple Comparison Summary

| Analysis ID  | Endpoint         | Comparison Method                 | ✓ | NOEL | LOEL | TOEL | TU | PMSD  | S |
|--------------|------------------|-----------------------------------|---|------|------|------|----|-------|---|
| 21-4074-4005 | 6d Reproduction  | Steel Many-One Rank Sum Test      |   | 100  | >100 | n/a  | 1  | 38.9% | 1 |
| 12-9386-9570 | 6d Survival Rate | Fisher Exact/Bonferroni-Holm Test |   | 100  | >100 | n/a  | 1  | n/a   | 1 |

## Point Estimate Summary

| Analysis ID  | Endpoint         | Point Estimate Method        | ✓ | Level | %    | 95% LCL | 95% UCL | TU | S |
|--------------|------------------|------------------------------|---|-------|------|---------|---------|----|---|
| 10-2618-5904 | 6d Reproduction  | Linear Interpolation (ICPIN) | ✓ | IC5   | >100 | n/a     | n/a     | <1 | 1 |
|              |                  |                              | ✓ | IC10  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC15  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC20  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC25  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC40  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | IC50  | >100 | n/a     | n/a     | <1 |   |
| 10-9752-8105 | 6d Survival Rate | Linear Interpolation (ICPIN) | ✓ | EC5   | >100 | n/a     | n/a     | <1 | 1 |
|              |                  |                              | ✓ | EC10  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC15  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC20  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC25  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC40  | >100 | n/a     | n/a     | <1 |   |
|              |                  |                              | ✓ | EC50  | >100 | n/a     | n/a     | <1 |   |

## 6d Reproduction Summary

| Conc-% | Code | Count | Mean  | 95% LCL | 95% UCL | Min | Max | Std Err | Std Dev | CV%    | %Effect |
|--------|------|-------|-------|---------|---------|-----|-----|---------|---------|--------|---------|
| 0      | D    | 9     | 36.56 | 25.08   | 48.03   | 4   | 52  | 4.975   | 14.93   | 40.83% | 0.00%   |
| 23     |      | 9     | 34.11 | 21.88   | 46.35   | 0   | 47  | 5.306   | 15.92   | 46.66% | 6.69%   |
| 45     |      | 9     | 38    | 25.63   | 50.37   | 0   | 51  | 5.364   | 16.09   | 42.35% | -3.95%  |
| 89     |      | 9     | 35.67 | 29.04   | 42.29   | 17  | 45  | 2.872   | 8.617   | 24.16% | 2.43%   |
| 95     |      | 9     | 39    | 30.96   | 47.04   | 23  | 53  | 3.488   | 10.46   | 26.83% | -6.69%  |
| 100    |      | 9     | 41    | 32.69   | 49.31   | 23  | 52  | 3.606   | 10.82   | 26.38% | -12.16% |

## 6d Survival Rate Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min    | Max    | Std Err | Std Dev | CV%    | %Effect |
|--------|------|-------|--------|---------|---------|--------|--------|---------|---------|--------|---------|
| 0      | D    | 9     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00%  | 0.00%   |
| 23     |      | 9     | 0.8889 | 0.6327  | 1.0000  | 0.0000 | 1.0000 | 0.1111  | 0.3333  | 37.50% | 11.11%  |
| 45     |      | 9     | 0.8889 | 0.6327  | 1.0000  | 0.0000 | 1.0000 | 0.1111  | 0.3333  | 37.50% | 11.11%  |
| 89     |      | 9     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00%  | 0.00%   |
| 95     |      | 9     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00%  | 0.00%   |
| 100    |      | 9     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00%  | 0.00%   |

# CETIS Summary Report

Report Date: 26 Sep-22 13:10 (p 1 of 1)  
Test Code/ID: 713298B6 / 18-9914-1302

## Fathead Minnow 7-d Larval Survival and Growth Test

GEI Consultants, Inc

|                               |                                   |                                             |
|-------------------------------|-----------------------------------|---------------------------------------------|
| Batch ID: 16-0865-5485        | Test Type: Growth-Survival (7d)   | Analyst:                                    |
| Start Date: 08 Sep-22 11:50   | Protocol: EPA/821/R-02-013 (2002) | Diluent: Mod-Hard Synthetic Water           |
| Ending Date: 15 Sep-22 11:00  | Species: Pimephales promelas      | Brine:                                      |
| Test Length: 6d 23h           | Taxon: Actinopterygii             | Source: Aquatic Biosystems, CO Age:         |
| Sample ID: 04-6919-3226       | Code: OS922-002A                  | Project: WET Quarterly Compliance Test (3Q) |
| Sample Date: 07 Sep-22 09:51  | Material: Mining Effluent         | Source: NPDES Permit #CO-0000003            |
| Receipt Date: 08 Sep-22 07:35 | CAS (PC):                         | Station: 002A                               |
| Sample Age: 26h (5 °C)        | Client: Ouray Silver Mines        |                                             |

## Multiple Comparison Summary

| Analysis ID  | Endpoint            | Comparison Method                | ✓ NOEL | LOEL | TOEL | TU | PMSD  | S |
|--------------|---------------------|----------------------------------|--------|------|------|----|-------|---|
| 06-8295-9162 | 7d Survival Rate    | Steel Many-One Rank Sum Test     | 100    | >100 | n/a  | 1  | 6.69% | 1 |
| 03-8213-8950 | Mean Dry Biomass-mg | Dunnett Multiple Comparison Test | 100    | >100 | n/a  | 1  | 12.8% | 1 |

## Point Estimate Summary

| Analysis ID  | Endpoint            | Point Estimate Method        | ✓ Level | %    | 95% LCL | 95% UCL | TU | S |
|--------------|---------------------|------------------------------|---------|------|---------|---------|----|---|
| 14-8273-7161 | 7d Survival Rate    | Linear Interpolation (ICPIN) | ✓ EC5   | >100 | n/a     | n/a     | <1 | 1 |
|              |                     |                              | ✓ EC10  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ EC15  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ EC20  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ EC25  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ EC40  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ EC50  | >100 | n/a     | n/a     | <1 |   |
| 08-7540-0248 | Mean Dry Biomass-mg | Linear Interpolation (ICPIN) | ✓ IC5   | >100 | n/a     | n/a     | <1 | 1 |
|              |                     |                              | ✓ IC10  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ IC15  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ IC20  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ IC25  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ IC40  | >100 | n/a     | n/a     | <1 |   |
|              |                     |                              | ✓ IC50  | >100 | n/a     | n/a     | <1 |   |

## Test Acceptability

### TAC Limits

| Analysis ID  | Endpoint            | Attribute    | Test Stat | Lower | Upper | Overlap | Decision        |
|--------------|---------------------|--------------|-----------|-------|-------|---------|-----------------|
| 06-8295-9162 | 7d Survival Rate    | Control Resp | 0.95      | 0.8   | >>    | Yes     | Passes Criteria |
| 14-8273-7161 | 7d Survival Rate    | Control Resp | 0.95      | 0.8   | >>    | Yes     | Passes Criteria |
| 03-8213-8950 | Mean Dry Biomass-mg | Control Resp | 0.5562    | 0.25  | >>    | Yes     | Passes Criteria |
| 08-7540-0248 | Mean Dry Biomass-mg | Control Resp | 0.5562    | 0.25  | >>    | Yes     | Passes Criteria |
| 03-8213-8950 | Mean Dry Biomass-mg | PMSD         | 0.1281    | 0.12  | 0.3   | Yes     | Passes Criteria |

## 7d Survival Rate Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min    | Max    | Std Err | Std Dev | CV%   | %Effect |
|--------|------|-------|--------|---------|---------|--------|--------|---------|---------|-------|---------|
| 0      | D    | 4     | 0.9500 | 0.8581  | 1.0000  | 0.9000 | 1.0000 | 0.0289  | 0.0577  | 6.08% | 0.00%   |
| 23     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | -5.26%  |
| 45     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | -5.26%  |
| 89     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | -5.26%  |
| 95     |      | 4     | 0.9750 | 0.8954  | 1.0000  | 0.9000 | 1.0000 | 0.0250  | 0.0500  | 5.13% | -2.63%  |
| 100    |      | 4     | 0.9750 | 0.8954  | 1.0000  | 0.9000 | 1.0000 | 0.0250  | 0.0500  | 5.13% | -2.63%  |

## Mean Dry Biomass-mg Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min   | Max   | Std Err | Std Dev | CV%   | %Effect |
|--------|------|-------|--------|---------|---------|-------|-------|---------|---------|-------|---------|
| 0      | D    | 4     | 0.5563 | 0.5092  | 0.6033  | 0.521 | 0.59  | 0.01479 | 0.02958 | 5.32% | 0.00%   |
| 23     |      | 4     | 0.6575 | 0.6222  | 0.6928  | 0.626 | 0.674 | 0.01109 | 0.02217 | 3.37% | -18.20% |
| 45     |      | 4     | 0.6748 | 0.6037  | 0.7458  | 0.616 | 0.718 | 0.02234 | 0.04467 | 6.62% | -21.30% |
| 89     |      | 4     | 0.6147 | 0.5634  | 0.6661  | 0.584 | 0.65  | 0.01613 | 0.03226 | 5.25% | -10.52% |
| 95     |      | 4     | 0.6447 | 0.5628  | 0.7267  | 0.607 | 0.72  | 0.02574 | 0.05149 | 7.99% | -15.91% |
| 100    |      | 4     | 0.6463 | 0.5525  | 0.74    | 0.586 | 0.708 | 0.02945 | 0.0589  | 9.11% | -16.18% |



# Whole Effluent Toxicity Testing Report

**Ouray Silver Mines Inc.**

Submitted to:

**Todd Jesse**

**Ouray Silver Mines, Inc.**

PO Box 564

Ouray, CO 81427

Submitted by:

**GEI Consultants, Inc.**

**Ecological Division**

4601 DTC Boulevard, Suite L100

Denver, CO 80237

January 11, 2023

Project 2004862

Report prepared by: RS





## 1.0 Test Summary

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Enclosed are the results of the chronic *Ceriodaphnia dubia* and *Pimephales promelas* tests performed October 25 to November 1, 2022. Chronic toxicity test procedures followed the methods described in EPA documentation (EPA 2002) and CDPHE guidelines (CDPHE 1998). All chemistry measurements within this report (i.e. alkalinity, pH, dissolved oxygen, etc...) are support data for the WET tests and are not intended to be used as measurements for compliance purposes.

Due to a poor hatch of *Artemia* nauplii, the *P. promelas* test could not be fed in the afternoon the day of test initiation, they were only fed in the morning on this day. However, because this was such a slight deviation from protocol, we believe that this had no effect on the outcome of the test.

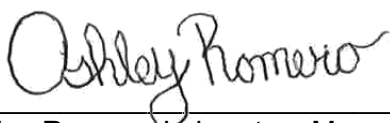
Daily temperatures were taken in the test chambers for the duration of both tests. The temperature in the *C. dubia* test differed by 7.6°C.

There were no significant effects in either test and control performance criteria were met.

**Table 1: Test results summary based on instream waste concentration of 89% effluent.**

| Test Species       | Survival         |      | Reproduction/Growth |      |
|--------------------|------------------|------|---------------------|------|
|                    | IC <sub>25</sub> | NOEC | IC <sub>25</sub>    | NOEC |
| <i>C. dubia</i>    | Pass             | Pass | Pass                | Pass |
| <i>P. promelas</i> | Pass             | Pass | Pass                | Pass |

Report approved by:



Ashley Romero, Laboratory Manager



Natalie Love, Laboratory Director



## 2.0 Test Conditions

### 2.1 *Ceriodaphnia dubia* and *Pimephales promelas* tests to estimate chronic toxicity

Table 2: Summary of test conditions for chronic toxicity tests.

| Parameter                           | Test Conditions                                                           |                                                |
|-------------------------------------|---------------------------------------------------------------------------|------------------------------------------------|
| Test species                        | <i>C. dubia</i>                                                           | <i>P. promelas</i>                             |
| Method                              | EPA-821-R-02-013<br>Short-Term Methods for Estimating Chronic Toxicity... |                                                |
| Sample collection procedure         | Grab                                                                      |                                                |
| Sample collection dates             | 10/24/22, 10/26/22, 10/28/22                                              |                                                |
| Dilution water                      | Moderately hard reconstituted water                                       |                                                |
| Test duration                       | Until at least 60% of control organisms release 3 broods                  | 7 days                                         |
| Age of organisms at start           | <24 hours old                                                             |                                                |
| Acclimation water                   | Moderately hard reconstituted water                                       | N/A                                            |
| Feeding                             | 0.1 mL YCT/ 0.1 mL <i>Selenastrum</i> daily                               | 0.15 mL <i>Artemia</i> nauplii 2 times per day |
| End point                           | Mortality, normalized reproduction                                        | Mortality, growth                              |
| Start date/time                     | 10/25/22 12:00                                                            | 10/25/22 12:15                                 |
| End date/time                       | 11/1/22 11:55                                                             | 11/1/22 12:20                                  |
| Type of exposure chamber            | 30 mL disposable plastic cup                                              | 14 oz. disposable plastic cup                  |
| Volume of exposure chamber          | 15 mL                                                                     | 250 mL                                         |
| Number of organisms exposed/chamber | 1                                                                         | 10                                             |
| Number of replicates/treatment      | 10                                                                        | 4                                              |
| Test temperature                    | 23.5°C ± 3.8°C                                                            | 24.7°C ± 1.3°C                                 |
| EPA recommended temperature         | 25.0°C ± 1.0°C                                                            | 25.0°C ± 1.0°C                                 |
| Standard toxicant used              | NaCl                                                                      | NaCl                                           |
| Aeration                            | N/A                                                                       | None                                           |
| CO <sub>2</sub> atmosphere          | None                                                                      | None                                           |

## 3.0 QA/QC Summary

### 3.1 Sample QA/QC

Table 3: Sample QA/QC Summary.

| QA Requirement                                                                             | Yes | No | N/A | Note |
|--------------------------------------------------------------------------------------------|-----|----|-----|------|
| Chain of Custody received                                                                  | x   |    |     |      |
| Chain of Custody complete                                                                  | x   |    |     |      |
| Custody Seal Intact                                                                        |     |    | x   |      |
| Samples received within holding times                                                      | x   |    |     |      |
| Samples at correct temperature (0-6°C) or delivered the same day as samples were collected | x   |    |     |      |
| Samples used within 36 hours of collection                                                 | x   |    |     |      |

### 3.2 Test Acceptability

Table 4: Control performance criteria requirements and test results by species.

| Test Species       | Survival |                | Reproduction/Growth |                      | All Test Acceptability Criteria Met |
|--------------------|----------|----------------|---------------------|----------------------|-------------------------------------|
|                    | Test (%) | Acceptable (%) | Test (# or mg)      | Acceptable (# or mg) |                                     |
| <i>C. dubia</i>    | 100      | ≥ 80           | 35.9                | ≥ 15.0               | Yes                                 |
| <i>P. promelas</i> | 100      | ≥ 80           | 0.556               | ≥ 0.250              | Yes                                 |

### 3.3 Statistical QA/QC

Table 5: Calculated and allowable PMSD upper bounds per species and concentration-response curve evaluation.

| Test Species       | Calculated PMSD | EPA PMSD Upper Bound | PMSD Acceptable | Concentration-Response Curve Validity |                     |
|--------------------|-----------------|----------------------|-----------------|---------------------------------------|---------------------|
|                    |                 |                      |                 | Survival                              | Reproduction/Growth |
| <i>C. dubia</i>    | 34              | 47                   | Yes             | Yes; Data approved                    | Yes; Data approved  |
| <i>P. promelas</i> | 16              | 30                   | Yes             | Yes; Data approved                    | Yes; Data approved  |

### 3.4 Concentration-Response Figures

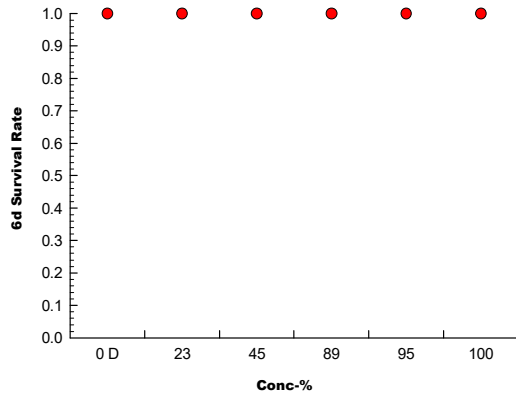


Figure 1: *C. dubia* survival

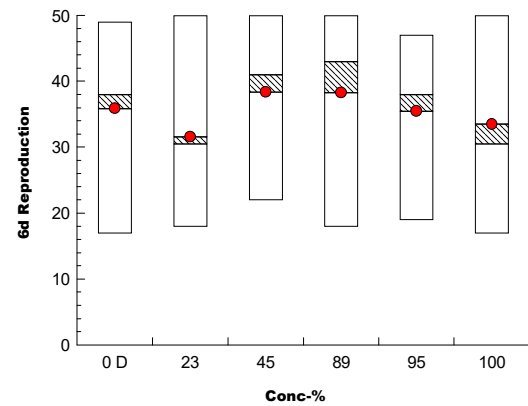


Figure 2: *C. dubia* reproduction

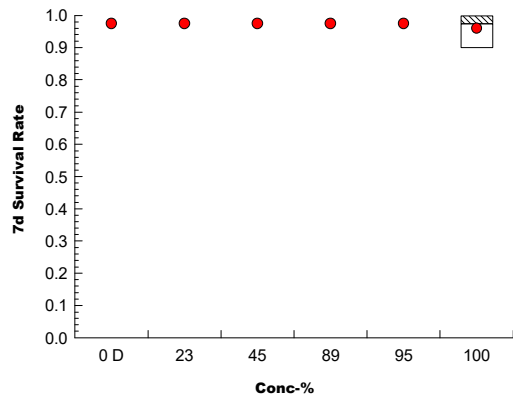


Figure 3: *P. promelas* survival

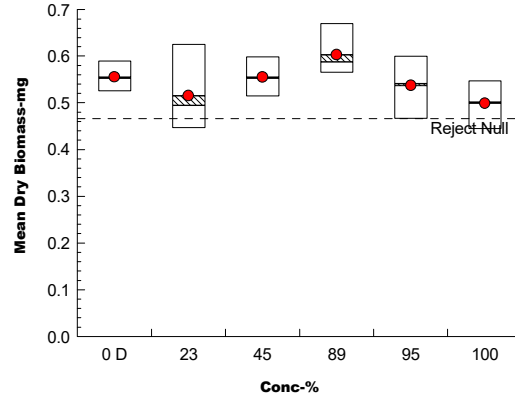


Figure 4: *P. promelas* growth

### 3.5 Reference Toxicant Summary

Table 6: Most recent reference toxicant test data summary per species.

| Species            | Test Initiation Date | Reproduction/Growth IC <sub>25</sub> (95% C.I.) | Performance Range Last 20 Tests | Within Performance Range |
|--------------------|----------------------|-------------------------------------------------|---------------------------------|--------------------------|
| <i>C. dubia</i>    | 10/18/22             | 1111.6 mg NaCl/L (unavailable)                  | 602.9 to 1427.1                 | Yes                      |
| <i>P. promelas</i> | 10/11/22             | 2.07 g NaCl/L (unavailable)                     | 1.33 to 2.49                    | Yes                      |

## 4.0 Results

### 4.1 Chronic Toxicity Test Results

Table 7: Summary results of *C. dubia* chronic toxicity test.

| Client/Project                                   | Ouray Silver Mines Inc. |                    |                    |                              |                    |                    |
|--------------------------------------------------|-------------------------|--------------------|--------------------|------------------------------|--------------------|--------------------|
| Test Date/Time                                   | Start: 10/25/22 @ 12:00 |                    |                    | End: 11/1/22 @ 11:55         |                    |                    |
| Treatment<br>% Effluent                          | 0                       | 23                 | 45                 | 89                           | 95                 | 100                |
| #alive/#exposed                                  | 10/10                   | 10/10              | 10/10              | 10/10                        | 10/10              | 10/10              |
| % survival                                       | 100                     | 100                | 100                | 100                          | 100                | 100                |
| Normalized repro / #<br>females exposed $\pm$ SD | 35.9<br>$\pm$ 12.1      | 32.8<br>$\pm$ 12.5 | 38.4<br>$\pm$ 11.1 | 38.3<br>$\pm$ 11.8           | 35.5<br>$\pm$ 10.2 | 33.5<br>$\pm$ 12.8 |
| Operators                                        | KR, ISM, AL, AI, NL     |                    |                    |                              |                    |                    |
| Statistical Analysis                             | NOEC                    |                    |                    | IC <sub>25</sub> (95% C.I.)  |                    |                    |
| Survival                                         | 100% Effluent           |                    |                    | >100% Effluent (unavailable) |                    |                    |
| Normalized Reproduction                          | 100% Effluent           |                    |                    | >100% Effluent (unavailable) |                    |                    |

Table 8: Summary results of *P. promelas* chronic toxicity test.

| Client/Project                                    | Ouray Silver Mines Inc. |                      |                      |                              |                      |                      |
|---------------------------------------------------|-------------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|
| Test Date/Time                                    | Start: 10/25/22 @ 12:15 |                      |                      | End: 11/1/22 @ 12:20         |                      |                      |
| Treatment<br>% Effluent                           | 0                       | 23                   | 45                   | 89                           | 95                   | 100                  |
| #alive/#exposed                                   | 40/40                   | 40/40                | 40/40                | 40/40                        | 40/40                | 38/39*               |
| % survival                                        | 100                     | 100                  | 100                  | 100                          | 100                  | 97.4                 |
| Dry weight (mean wt.<br>(mg) / #exposed $\pm$ SD) | 0.556<br>$\pm$ 0.032    | 0.516<br>$\pm$ 0.079 | 0.555<br>$\pm$ 0.035 | 0.603<br>$\pm$ 0.047         | 0.538<br>$\pm$ 0.055 | 0.499<br>$\pm$ 0.052 |
| Operators                                         | ISM, KH, AL, KR, MH     |                      |                      |                              |                      |                      |
| Statistical Analysis                              | NOEC                    |                      |                      | IC <sub>25</sub> (95% C.I.)  |                      |                      |
| Survival                                          | 100% Effluent           |                      |                      | >100% Effluent (unavailable) |                      |                      |
| Growth                                            | 100% Effluent           |                      |                      | >100% Effluent (unavailable) |                      |                      |

\*Technician error, accidental death; one organism excluded from all statistical analyses.

## 4.2 Water Chemistry Results from Samples Received for Chronic Toxicity Tests

Table 9: Wet chemistry on reconstituted water and effluent samples.

| Measurement                                                | MH Recon Water | 100% Effluent Received 10/25/22 | 100% Effluent Received 10/27/22 | 100% Effluent Received 10/29/22 |
|------------------------------------------------------------|----------------|---------------------------------|---------------------------------|---------------------------------|
| Analysis Temperature (°C)                                  | 25.0           | 25.0                            | 25.0                            | 25.0                            |
| Total Hardness (mg CaCO <sub>3</sub> /L)                   | 102            | 152                             | 152                             | 168                             |
| pH (SU)                                                    | 8.2            | 7.7                             | 7.8                             | 7.8                             |
| Alkalinity (mg CaCO <sub>3</sub> /L)                       | 68             | 64                              | 62                              | 64                              |
| Conductivity (µmho/cm)                                     | 339            | 319                             | 323                             | 336                             |
| Total Dissolved Solids Calculated from Conductivity (mg/L) | --             | 156                             | 158                             | 166                             |
| Dissolved Oxygen (mg/L)                                    | 7.1            | 8.7                             | 8.5                             | 7.5                             |
| Ammonia as N (mg NH <sub>3</sub> /L)                       | --             | 0.10                            | 0.10                            | 0.01                            |
| Un-ionized Ammonia (mg NH <sub>3</sub> /L)                 | --             | <0.10                           | <0.10                           | <0.10                           |
| Total Residual Chlorine (mg/L)                             | --             | <0.02                           | <0.02                           | 0.03                            |

\*Represents an average of two reconstituted waters used.

## References

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Colorado Department of Public Health and Environment (CDPHE). 1998. Water Quality Control Division. Laboratory guidelines for conducting whole effluent toxicity tests. Denver, Colorado.

Tidepool Scientific Software. 2000-2018. CETIS - Comprehensive Environmental Toxicity Information System. V1.9.5.5. McKinleyville, CA.

U.S. Environmental Protection Agency (EPA). 2002. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. EPA-821-R-02-013. Office of Water, Washington D.C.

# Appendix A

---

Colorado CDPS WET test report forms

# COLORADO – CDPS WET TEST REPORT FORM – CHRONIC

PERMITEE NAME: Ouray Silver Mines Inc.

CDPS NO: CO-0000003

OUTFALL: 002A

TYPE TEST: ROUTINE ☒

ACCELERATED

TEST SPECIES: Ceriodaphnia dubia

Test Results:

Lethality

Growth

Reproduction

|                             |       |    |       |
|-----------------------------|-------|----|-------|
| CONC. WITH STAT. DIFFERENCE | >100% | NA | >100% |
| PASS/FAIL                   | PASS  | NA | PASS  |
| NOEC                        | 100%  | NA | 100%  |
| PASS/FAIL                   | PASS  | NA | PASS  |
| IC <sub>25</sub>            | >100% | NA | >100% |
| PASS/FAIL                   | PASS  | NA | PASS  |

STAT. METHOD USED: STATISTICAL DIFF.:

NOEC, LC<sub>50</sub>

IC<sub>25</sub>

ICp METHOD

TEST DATE/TIME: START

10/25/22 12:00

END

11/1/22 11:55

DILUTIONS (%EFFLUENT)

|                        | CONTROL | 23%     | 45%     | 89%     | 95%     | 100%    |
|------------------------|---------|---------|---------|---------|---------|---------|
| % SURVIVAL FOR DAY: 1  | 100     | 100     | 100     | 100     | 100     | 100     |
| 2                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 3                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 4                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 5                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 6                      | 100     | 100     | 100     | 100     | 100     | 100     |
| MEAN 3 BROOD TOTAL:    | 35.9    | 32.8    | 38.4    | 38.3    | 35.5    | 33.5    |
| 7 DAY MEAN DRY WEIGHT: |         |         |         |         |         |         |
| pH MAX/MIN:            | 8.4/8.2 | 8.4/8.3 | 8.4/8.3 | 8.4/8.3 | 8.4/8.3 | 8.4/8.3 |

MEAN HARDNESS (mg/L) RECEIVING WATER: NA EFFLUENT: 157 RECON WATER: 102

MEAN ALKALINITY (mg/L) RECEIVING WATER: NA EFFLUENT: 63 RECON WATER: 68

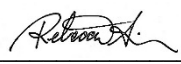
MEAN T. AMMONIA as N (mg/L) INITIAL EFFLUENT: 0.07 FINAL EFFLUENT: NA

MEAN T. RESIDUAL CHLORINE (mg/L) 100%: 0.02 RECEIVING WATER USED FOR DILUTIONS? (Y/N) N

WERE ALL TEST CONDITIONS IN CONFORMANCE WITH DIVISION GUIDELINES? (Y/N) Y

IF NO, LIST DEVIATIONS FROM TEST SPECIFICATIONS:

ANALYST: Rebecca Springer

SIGNATURE: 

LABORATORY: GEI Consultants, Inc./Ecological Division

DATE: 12/30/22

COMMENTS: The temperature in the test differed by 7.6°C.



# COLORADO – CDPS WET TEST REPORT FORM – CHRONIC

PERMITEE NAME: Ouray Silver Mines Inc.

CDPS NO: CO-0000003

OUTFALL: 002A

TYPE TEST: ROUTINE ☒

ACCELERATED

TEST SPECIES: Pimephales promelas

Test Results:

Lethality

Growth

Reproduction

|                             |       |       |    |
|-----------------------------|-------|-------|----|
| CONC. WITH STAT. DIFFERENCE | >100% | >100% | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |
| NOEC                        | 100%  | 100%  | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |
| IC <sub>25</sub>            | >100% | >100% | NA |
| PASS/FAIL                   | PASS  | PASS  | NA |

STAT. METHOD USED: STATISTICAL DIFF.:

NOEC, LC<sub>50</sub>

IC<sub>25</sub>

ICp METHOD

TEST DATE/TIME: START

10/25/22 12:15

END

11/1/22 12:20

DILUTIONS (%EFFLUENT)

|                        | CONTROL | 23%     | 45%     | 89%     | 95%     | 100%*   |
|------------------------|---------|---------|---------|---------|---------|---------|
| % SURVIVAL FOR DAY: 1  | 100     | 100     | 100     | 100     | 100     | 100     |
| 2                      | 100     | 100     | 100     | 100     | 100     | 100     |
| 3                      | 100     | 100     | 100     | 100     | 100     | 97.4    |
| 4                      | 100     | 100     | 100     | 100     | 100     | 97.4    |
| 5                      | 100     | 100     | 100     | 100     | 100     | 97.4    |
| 6                      | 100     | 100     | 100     | 100     | 100     | 97.4    |
| 7                      | 100     | 100     | 100     | 100     | 100     | 97.4    |
| MEAN 3 BROOD TOTAL:    |         |         |         |         |         |         |
| 7 DAY MEAN DRY WEIGHT: | 0.556   | 0.516   | 0.555   | 0.603   | 0.538   | 0.499   |
| pH MAX/MIN:            | 8.0/7.7 | 7.9/7.7 | 7.9/7.7 | 7.9/7.7 | 7.9/7.7 | 7.9/7.7 |

MEAN HARDNESS (mg/L) RECEIVING WATER: NA EFFLUENT: 157 RECON WATER: 102

MEAN ALKALINITY (mg/L) RECEIVING WATER: NA EFFLUENT: 63 RECON WATER: 68

MEAN T. AMMONIA as N (mg/L) INITIAL EFFLUENT: 0.07 FINAL EFFLUENT: NA

MEAN T. RESIDUAL CHLORINE (mg/L) 100%: 0.02 RECEIVING WATER USED FOR DILUTIONS? (Y/N) N

WERE ALL TEST CONDITIONS IN CONFORMANCE WITH DIVISION GUIDELINES? (Y/N) Y

IF NO, LIST DEVIATIONS FROM TEST SPECIFICATIONS:

ANALYST: Rebecca Springer

SIGNATURE: 

LABORATORY: GEI Consultants, Inc./Ecological Division

DATE: 12/30/22

COMMENTS: \*Technician error, accidental death; one organism excluded from all statistical analyses.

## Appendix B

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Chain-of-custody forms and laboratory bench sheets from whole effluent toxicity tests

# GEI Consultants, Inc./Ecological Division

4601 DTC BLVD., SUITE L100  
DENVER, CO 80237  
Main: (303) 662-0100 Lab: (303) 264-1176

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number

051022-008A-1

|                                                                                                                                                                                                                               |                                                  |                                                                                                                                                                                         |                                   |                                                                                                                |                                                                                                                                                                                            |                            |                                            |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------|-----------|
| CLIENT/PROJECT <u>Quincy Silver Mines Inc</u><br>ADDRESS <u>PO Box 564</u><br>CITY <u>Quincy</u> STATE <u>CO</u> ZIP <u>81427</u><br>PHONE # <u>970 325 9830</u><br>PROJ. MANAGER <u>Todd Tesse</u> SAMPLER <u>Todd Tesse</u> |                                                  |                                                                                                                                                                                         |                                   | TESTS REQUIRED<br>ACUTE<br>CHRONIC<br>CHLORINE<br>Measured by: <u>Lab</u><br>Client <u>7/5</u><br>Lab <u>✓</u> |                                                                                                                                                                                            |                            |                                            |           |
| SAMPLE TYPE/SITE<br><u>050024</u>                                                                                                                                                                                             | Composite<br><input checked="" type="checkbox"/> | Grab<br><input checked="" type="checkbox"/>                                                                                                                                             | Date Collected<br><u>10/24/12</u> | Time Collected<br><u>11:10</u>                                                                                 | C<br>F<br>D<br>T<br>C<br>F<br>A<br>A<br>T<br>R<br>O<br>I<br>O<br>D<br>A<br>A<br>P<br>H<br>H<br>N<br>I<br>A<br>A<br>L<br>P<br>H<br>H<br>N<br>I<br>A<br>A<br>L<br>P<br>H<br>H<br>N<br>I<br>A | TRC (mg/L)<br><u>40.02</u> | Date/Time Measured<br><u>10/25/12 9:20</u> | COMMENTS: |
|                                                                                                                                                                                                                               |                                                  |                                                                                                                                                                                         |                                   |                                                                                                                |                                                                                                                                                                                            |                            |                                            |           |
| PROJECT INFORMATION                                                                                                                                                                                                           |                                                  | LABORATORY RECEIVING INFORMATION                                                                                                                                                        |                                   |                                                                                                                |                                                                                                                                                                                            |                            |                                            |           |
| CLIENT DROP OFF:<br>COURIER:                                                                                                                                                                                                  |                                                  | CONDITION OF SAMPLE ON RECEIPT:                                                                                                                                                         |                                   |                                                                                                                |                                                                                                                                                                                            |                            |                                            |           |
| UPS <input checked="" type="checkbox"/> FEDEX <input checked="" type="checkbox"/> OTHER                                                                                                                                       |                                                  | CUSTODY SEAL INTACT?: <u>Good</u> YES NO N/A                                                                                                                                            |                                   |                                                                                                                |                                                                                                                                                                                            |                            |                                            |           |
| TOTAL NUMBER OF CONTAINERS:<br><u>3</u>                                                                                                                                                                                       |                                                  | TEMPERATURE (°C): <u>1.5</u><br>TEMPERATURE IN RANGE (0-6°C) YES NO<br>IF NOT IN RANGE, SAMPLED SAME DAY, TEMP OK?: YES NO                                                              |                                   |                                                                                                                |                                                                                                                                                                                            |                            |                                            |           |
| COMMENTS:                                                                                                                                                                                                                     |                                                  | CLIENT RELINQUISHED BY: <u>Todd Tesse</u><br>DATE/TIME: <u>10/24/12</u> <u>13:45</u><br>LABORATORY RECEIVED BY: <u>Anna Davis</u> <u>7/24</u><br>DATE/TIME: <u>10/25/12</u> <u>7:25</u> |                                   |                                                                                                                |                                                                                                                                                                                            |                            |                                            |           |

**GEI Consultants, Inc./Ecological Division**  
 4601 DTC BLVD., SUITE L100  
 DENVER, CO 80237  
 Main: (303) 662-0100 Lab: (303) 264-1176

**BIOASSAY LABORATORY CHAIN-OF-CUSTODY**

(GEI Use) Log Number 051022-002A-1

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-----------|--------------------------------------------------------------------------------------------------------|----------------|----------------|---------------|---|-------------------------------------|-----------------|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|--|-----------------------------------------------------------------|--|-----------|
| CLIENT/PROJECT <u>Quarry Silver Mines Inc</u><br>ADDRESS <u>PO Box 564</u><br>CITY <u>Quincy</u> STATE <u>CO</u> ZIP <u>81427</u><br>PHONE # <u>970 325 9830</u><br>PROJ. MANAGER <u>Todd Tesse</u> SAMPLER <u>Todd Tesse</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                            |                 | TESTS REQUIRED   |           | CHLORINE<br>Measured by:<br>Client <input type="checkbox"/><br>Lab <input checked="" type="checkbox"/> |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 | ACUTE            | CHRONIC   |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>C</td><td>F</td><td>D</td><td>T</td><td>C</td><td>F</td><td>A</td><td>D</td> </tr> <tr> <td>E</td><td>A</td><td>A</td><td>R</td><td>E</td><td>A</td><td>L</td><td>A</td> </tr> <tr> <td>E</td><td>A</td><td>P</td><td>O</td><td>A</td><td>T</td><td>G</td><td>P</td> </tr> <tr> <td>R</td><td>A</td><td>H</td><td>U</td><td>T</td><td>H</td><td>A</td><td>H</td> </tr> <tr> <td>I</td><td>E</td><td>N</td><td>I</td><td>O</td><td>E</td><td>N</td><td>N</td> </tr> <tr> <td>O</td><td>A</td><td>I</td><td></td><td>A</td><td>I</td><td>A</td><td></td> </tr> </table>                                                                                                                                                         |           |                                                                                                                                                                                                                                            |                 | C                | F         | D                                                                                                      | T              | C              | F             | A | D                                   | E               | A            | A | R | E | A | L | A | E | A | P | O | A | T | G | P | R | A | H | U | T | H | A | H | I | E | N | I | O | E | N | N | O | A | I |  | A | I | A |  | TRC (mg/L) <u>40.02</u> Date/Time Measured <u>10/25/22 7:20</u> |  | COMMENTS: |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | F         | D                                                                                                                                                                                                                                          | T               | C                | F         | A                                                                                                      | D              |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A         | A                                                                                                                                                                                                                                          | R               | E                | A         | L                                                                                                      | A              |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A         | P                                                                                                                                                                                                                                          | O               | A                | T         | G                                                                                                      | P              |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A         | H                                                                                                                                                                                                                                          | U               | T                | H         | A                                                                                                      | H              |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | E         | N                                                                                                                                                                                                                                          | I               | O                | E         | N                                                                                                      | N              |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A         | I                                                                                                                                                                                                                                          |                 | A                | I         | A                                                                                                      |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>SAMPLE TYPE/SITE</td> <td>Composite</td> <td>Grab</td> <td>Date Collected</td> <td>Time Collected</td> </tr> <tr> <td><u>stream</u></td> <td></td> <td><input checked="" type="checkbox"/></td> <td><u>10/24/22</u></td> <td><u>11:10</u></td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td></tr> </table> |           |                                                                                                                                                                                                                                            |                 | SAMPLE TYPE/SITE | Composite | Grab                                                                                                   | Date Collected | Time Collected | <u>stream</u> |   | <input checked="" type="checkbox"/> | <u>10/24/22</u> | <u>11:10</u> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| SAMPLE TYPE/SITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Composite | Grab                                                                                                                                                                                                                                       | Date Collected  | Time Collected   |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| <u>stream</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <input checked="" type="checkbox"/>                                                                                                                                                                                                        | <u>10/24/22</u> | <u>11:10</u>     |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| PROJECT INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | LABORATORY RECEIVING INFORMATION                                                                                                                                                                                                           |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| CLIENT DROP OFF:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | CONDITION OF SAMPLE ON RECEIPT:                                                                                                                                                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| COURIER:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <u>Good</u>                                                                                                                                                                                                                                |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| UPS <input checked="" type="checkbox"/> FEDEX <input checked="" type="checkbox"/> OTHER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | CUSTODY SEAL INTACT?: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A                                                                                                                                              |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| TOTAL NUMBER OF CONTAINERS: <u>3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | TEMPERATURE (°C): <u>1.0</u><br>TEMPERATURE IN RANGE (0-6°C): YES <input checked="" type="checkbox"/> NO <input type="checkbox"/><br>IF NOT IN RANGE, SAMPLED SAME DAY, TEMP OK?: YES <input type="checkbox"/> NO <input type="checkbox"/> |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |
| COMMENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | CLIENT RELINQUISHED BY: <u>[Signature]</u><br>DATE/TIME: <u>10/24/22 13:45</u><br>LABORATORY RECEIVED BY: <u>[Signature]</u><br>DATE/TIME: <u>10/25/22 7:25</u>                                                                            |                 |                  |           |                                                                                                        |                |                |               |   |                                     |                 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |   |   |  |                                                                 |  |           |

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

051522-003A - (GEI Use) Log Number

|                                                     |                           |                  |                                   |                                |                                                     |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|-----------------------------------------------------|---------------------------|------------------|-----------------------------------|--------------------------------|-----------------------------------------------------|----------------|-----------------|---------------|-----------|-----------|-----------------|-----------|---------------|-------------------------------------------------|--------------------------------------------|-----------|--|
| CLIENT/PROJECT <u>Duney Silver Mines Inc</u>        |                           |                  |                                   |                                |                                                     | TESTS REQUIRED |                 |               |           |           |                 |           |               | CHLORINE                                        |                                            |           |  |
| ADDRESS <u>P.O. Box 564</u>                         |                           |                  |                                   |                                |                                                     | ACUTE          |                 |               |           | CHRONIC   |                 |           |               | Measured by:<br>Client <input type="checkbox"/> |                                            |           |  |
| CITY <u>Duney</u>                                   | STATE <u>CO</u>           | ZIP <u>80427</u> |                                   |                                |                                                     | C E R I O      | F A T H E I A D | D A P H N I A | T R O U T | C E R I O | F A T H E I A D | A L G A E | D A P H N I A | Lab <input checked="" type="checkbox"/>         |                                            |           |  |
| PHONE # <u>970 525 9830</u>                         |                           |                  |                                   |                                |                                                     |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
| PROJ MANAGER <u>Todd Jesse</u>                      | SAMPLER <u>Todd Jesse</u> |                  |                                   |                                |                                                     |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
| SAMPLE TYPE/SITE<br><u>off road</u>                 | Composite                 | Grab             | Date Collected<br><u>10/24/12</u> | Time Collected<br><u>11:10</u> |                                                     |                |                 |               |           |           |                 |           |               | TRC (mg/L)<br><u>&lt;0.02</u>                   | Date/Time Measured<br><u>10/25/12 9:20</u> | COMMENTS: |  |
|                                                     |                           |                  |                                   |                                |                                                     |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|                                                     |                           |                  |                                   |                                |                                                     |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|                                                     |                           |                  |                                   |                                |                                                     |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|                                                     |                           |                  |                                   |                                |                                                     |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|                                                     |                           |                  |                                   |                                |                                                     |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
| PROJECT INFORMATION                                 |                           |                  |                                   |                                | LABORATORY RECEIVING INFORMATION                    |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
| CLIENT DROP OFF                                     |                           |                  |                                   |                                | CONDITION OF SAMPLE ON RECEIPT:                     |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
| COURIER:                                            |                           |                  |                                   |                                | <u>Good</u>                                         |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
| UPS FEDEX <input checked="" type="checkbox"/> OTHER |                           |                  |                                   |                                | CUSTODY SEAL INTACT?: YES NO N/A                    |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
| TOTAL NUMBER OF CONTAINERS: <u>3</u>                |                           |                  |                                   |                                | TEMPERATURE (°C) <u>2.0</u>                         |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|                                                     |                           |                  |                                   |                                | TEMPERATURE IN RANGE (0-6°C): YES NO                |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|                                                     |                           |                  |                                   |                                | IF NOT IN RANGE, SAMPLED SAME DAY, TEMP OK?: YES NO |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
| COMMENTS                                            |                           |                  |                                   |                                | CLIENT RELINQUISHED BY: <u>[Signature]</u>          |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|                                                     |                           |                  |                                   |                                | DATE/TIME: <u>10/24/12</u> <u>13:45</u>             |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|                                                     |                           |                  |                                   |                                | LABORATORY RECEIVED BY: <u>[Signature]</u>          |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |
|                                                     |                           |                  |                                   |                                | DATE/TIME: <u>10/25/12</u> <u>7:05</u>              |                |                 |               |           |           |                 |           |               |                                                 |                                            |           |  |

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number 051072-002A-2

|                                                                              |                                                           |      |                                   |                                |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
|------------------------------------------------------------------------------|-----------------------------------------------------------|------|-----------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|---------------|-----------|-----------|---------------|-----------|---------------|------------------------------------------------------------------------------------------------|--|--|--|--------------------|-----------|
| CLIENT/PROJECT <u>Duray Silver Mines Inc.</u>                                |                                                           |      |                                   |                                |                                                                                                                                                                                                            | TESTS REQUIRED |             |               |           |           |               |           |               | CHLORINE                                                                                       |  |  |  |                    |           |
| ADDRESS <u>PO Box 564</u>                                                    |                                                           |      |                                   |                                |                                                                                                                                                                                                            | ACUTE          |             |               |           | CHRONIC   |               |           |               | Measured by:<br>Client <input type="checkbox"/><br><br>Lab <input checked="" type="checkbox"/> |  |  |  |                    |           |
| CITY <u>Duray</u>                                                            | STATE <u>CO</u> ZIP <u>81427</u>                          |      |                                   |                                |                                                                                                                                                                                                            | C E R I O      | F A T H I A | D A P H N I A | T R O U T | C E R I O | F A T H E A D | A L G A E | D A P H N I A |                                                                                                |  |  |  |                    |           |
| PHONE # <u>970 325 9830</u>                                                  | PROJ. MANAGER <u>Todd Tesse</u> SAMPLER <u>Todd Tesse</u> |      |                                   |                                |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               | TRC (mg/L)                                                                                     |  |  |  | Date/Time Measured | COMMENTS: |
| SAMPLE TYPE/SITE<br><u>OFO02A</u>                                            | Composite                                                 | Grab | Date Collected<br><u>10/26/22</u> | Time Collected<br><u>11:09</u> |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
|                                                                              |                                                           |      |                                   |                                |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
|                                                                              |                                                           |      |                                   |                                |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
|                                                                              |                                                           |      |                                   |                                |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
|                                                                              |                                                           |      |                                   |                                |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
|                                                                              |                                                           |      |                                   |                                |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
|                                                                              |                                                           |      |                                   |                                |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
|                                                                              |                                                           |      |                                   |                                |                                                                                                                                                                                                            |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
| PROJECT INFORMATION                                                          |                                                           |      |                                   |                                | LABORATORY RECEIVING INFORMATION                                                                                                                                                                           |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
| CLIENT DROP OFF:                                                             |                                                           |      |                                   |                                | CONDITION OF SAMPLE ON RECEIPT: <u>Good</u>                                                                                                                                                                |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
| COURIER:                                                                     |                                                           |      |                                   |                                | CUSTODY SEAL INTACT?: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>                                                                                     |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
| UPS FEDEX <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> |                                                           |      |                                   |                                | TEMPERATURE (°C): <u>4.0</u>                                                                                                                                                                               |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
| TOTAL NUMBER OF CONTAINERS: <u>3</u>                                         |                                                           |      |                                   |                                | TEMPERATURE IN RANGE (0-6°C): YES <input checked="" type="checkbox"/> NO <input type="checkbox"/><br>IF NOT IN RANGE, SAMPLED SAME DAY, TEMP OK?: YES <input type="checkbox"/> NO <input type="checkbox"/> |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |
| COMMENTS:                                                                    |                                                           |      |                                   |                                | LABORATORY RECEIVED BY: <u>[Signature]</u><br>DATE/TIME: <u>10/27/22</u> <u>719</u>                                                                                                                        |                |             |               |           |           |               |           |               |                                                                                                |  |  |  |                    |           |

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number 051022-002A-2

[illegible]

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number 051022-002A-2

[illegible]



# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

**(GEI Use) Log Number** OS1022-002A-3

[illegible]

# BIOASSAY LABORATORY CHAIN-OF-CUSTODY

(GEI Use) Log Number 051022-002A-3

[illegible]

1300 Blue Spruce Drive, Suite C  
Fort Collins, Colorado 80524



Toll Free: 800/331-5916  
Tel: 970/484-5091 Fax: 970/484-2514

OS-1022-002A

### ORGANISM HISTORY

DATE: 10/24/2022

SPECIES: *Pimephales promelas*

AGE: N/A

LIFE STAGE: Embryo

HATCH DATE: 10/24/2022

BEGAN FEEDING: N/A

FOOD: N/A

### Water Chemistry Record:

|                                           | Current  | Range        |
|-------------------------------------------|----------|--------------|
| TEMPERATURE:                              | 23°C     | 22-25°C      |
| SALINITY/CONDUCTIVITY:                    | --       | --           |
| TOTAL HARDNESS (as CaCO <sub>3</sub> ):   | 104 mg/l | 100-120 mg/l |
| TOTAL ALKALINITY (as CaCO <sub>3</sub> ): | 95 mg/l  | 70-100 mg/l  |
| pH:                                       | 8.20     | 7.20-8.20    |

Comments:

  
Facility Supervisor

# INITIAL CHEMISTRY BENCH SHEET

Client/Project: Ourray /OS1022 - 002A

Samples Received: Date/Time 10/25/22 7:25

Test Substance: Effluent 002A

What test/s will samples be used in? Ch C/F Dilution Water lab water or receiving water

| SAMPLE TYPE<br>LOG NUMBER<br>DATE COLLECTED | DATE/TIME<br>ANALYZED | DATES USED | ANALYSES<br>TEMP.<br>(°C) | TOTAL<br>HARDNESS<br>(mg/L) | pH<br>(SU)            | TOTAL<br>ALKALINITY<br>(mg/L) | D.O.<br>(mg/L) | COND.<br>(µs) | TDS<br>CALCULATED<br>FROM COND.<br>(mg/L) | TRC<br>(mg/L)             | AMMONIA<br>AS N<br>(mg/L) | METER<br>USED | ANALYST |
|---------------------------------------------|-----------------------|------------|---------------------------|-----------------------------|-----------------------|-------------------------------|----------------|---------------|-------------------------------------------|---------------------------|---------------------------|---------------|---------|
| Effluent<br>OS1022-1<br>10/24/22            | 10/25/22<br>1245      | 10/25/22   | 25.0                      | $\frac{7.6}{152}$           | 7.7                   | $\frac{3.2}{64}$              | 8.7            | 319           | 156                                       | 40.02                     | 0.10                      | 1             | SM      |
| Effluent<br>OS1022-2<br>10/26/22            | 10/27/22<br>1615      | 10/27/22   | 25.0                      | $\frac{7.6}{152}$           | 7.8                   | $\frac{3.1}{62}$              | 8.5            | 323           | 158                                       | <del>40.02</del><br>40.02 | 0.10                      | 1             | KR      |
| Effluent<br>OS1022-3<br>10/23/22            | 10/29/22<br>1525      | 10/29/22   | 25.0                      | $\frac{8.4}{168}$           | <del>7.8</del><br>7.5 | $\frac{3.2}{64}$              | 7.5            | 336           | 166                                       | 0.03                      | 0.01                      | 1             | SM      |
| AVERAGE VALUE                               |                       |            | 25.0                      | 157                         | 7.8                   | 63                            | 8.2            | 326           | 160                                       | 0.02                      | 0.07                      |               |         |

| Site               | Day 0  | Day 1  | Day 2  | Day 3  | Day 4  | Day 5  | Day 6  | Day 7 |  |  |  |  |  |
|--------------------|--------|--------|--------|--------|--------|--------|--------|-------|--|--|--|--|--|
| Daily Measurements |        |        |        |        |        |        |        |       |  |  |  |  |  |
| pH/initials        | 7.7/SM | 7.9/SM | 7.8/KR | 8.0/MH | 7.3/SM | 7.9/AL | 8.1/AL | -     |  |  |  |  |  |
| pH/initials        |        |        |        |        |        |        |        |       |  |  |  |  |  |
| pH/initials        |        |        |        |        |        |        |        |       |  |  |  |  |  |
| pH/initials        |        |        |        |        |        |        |        |       |  |  |  |  |  |

COMMENTS:

Samples stored in refrigerator: N

Data Checked and Approved by Laboratory Manager (Initials): NV

# RECONSTITUTED SYNTHETIC LABORATORY WATER CHEMISTRY BENCH SHEET

Client/Project: Ouray /OS1022 - 002A

Test Substance: Effluent 002A

Analyst: NL

What test/s will  
samples be used in? Ch C/F

Test/s Start Date: 10/25/22

| BATCH #       | ANALYSES<br>TEMP.<br>(°C) | TOTAL<br>HARDNESS<br>(mg/L) | pH<br>(SU) | TOTAL<br>ALKALINITY<br>(mg/L) | D.O.<br>(mg/L) | COND.<br>(µS) |
|---------------|---------------------------|-----------------------------|------------|-------------------------------|----------------|---------------|
| MH251         | 25.0                      | 102                         | 8.2        | 68                            | 7.0            | 339           |
| MH252         | 25.0                      | 102                         | 8.1        | 68                            | 7.2            | 338           |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
|               |                           |                             |            |                               |                |               |
| AVERAGE VALUE | 25.0                      | 102                         | 8.2        | 68                            | 7.1            | 339           |

COMMENTS:

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NL

# CHRONIC TOXICITY CHEMISTRY BENCH SHEET

START Date: 10/25/22

FINISH Date: 11/1/22

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS1022 - 002A

Organism: C. dubia

| Test Conc.                 | Chemical Parameter | Day of Test |      |      |      |                   |      |      |  | COMMENTS                                   |
|----------------------------|--------------------|-------------|------|------|------|-------------------|------|------|--|--------------------------------------------|
|                            |                    | 1           | 2    | 3    | 4    | 5                 | 6    | 7    |  |                                            |
| 0                          | DO (mg/L)          | 6.6         | 6.7  | 6.7  | 7.2  | 6.8               | 6.4  | 6.3  |  |                                            |
|                            | Cond. (µS)         | 364         | 432  | 429  | 370  | 354               | 367  | 355  |  |                                            |
|                            | pH                 | 8.3         | 8.2  | 8.3  | 8.3  | 8.3               | 8.4  | 8.3  |  |                                            |
|                            | Temp. (°C)         | 27.3        | 22.0 | 24.5 | 26.9 | 26.4              | 26.5 | 24.3 |  |                                            |
| 23                         | DO (mg/L)          | 6.6         | 6.7  | 6.7  | 6.9  | 6.8               | 6.4  | 6.3  |  | ◇ = 26.5                                   |
|                            | Cond. (µS)         | 365         | 406  | 416  | 357  | 345               | 368  | 353  |  |                                            |
|                            | pH                 | 8.4         | 8.3  | 8.3  | 8.3  | 8.3               | 8.4  | 8.2  |  |                                            |
|                            | Temp. (°C)         | 25.2        | 23.2 | 23.4 | 26.8 | 27.1 <sup>8</sup> | 26.1 | 25.5 |  |                                            |
| 45                         | DO (mg/L)          | 6.5         | 6.5  | 6.6  | 6.8  | 6.8               | 6.5  | 6.3  |  |                                            |
|                            | Cond. (µS)         | 359         | 400  | 417  | 353  | 344               | 365  | 356  |  |                                            |
|                            | pH                 | 8.4         | 8.3  | 8.3  | 8.3  | 8.3               | 8.4  | 8.2  |  |                                            |
|                            | Temp. (°C)         | 24.6        | 22.4 | 23.3 | 27.0 | 26.5              | 26.2 | 24.9 |  |                                            |
| 89                         | DO (mg/L)          | 6.5         | 6.6  | 6.6  | 6.8  | 6.8               | 6.5  | 6.3  |  |                                            |
|                            | Cond. (µS)         | 339         | 439  | 459  | 359  | 347               | 362  | 346  |  |                                            |
|                            | pH                 | 8.4         | 8.3  | 8.4  | 8.3  | 8.3               | 8.4  | 8.2  |  |                                            |
|                            | Temp. (°C)         | 26.6        | 22.7 | 23.4 | 27.0 | 24.6              | 26.4 | 24.7 |  |                                            |
| 95                         | DO (mg/L)          | 6.6         | 6.7  | 6.7  | 6.8  | 6.8               | 6.6  | 6.3  |  |                                            |
|                            | Cond. (µS)         | 351         | 450  | 452  | 345  | 343               | 364  | 349  |  |                                            |
|                            | pH                 | 8.4         | 8.3  | 8.4  | 8.3  | 8.3               | 8.3  | 8.2  |  |                                            |
|                            | Temp. (°C)         | 23.6        | 23.6 | 23.1 | 25.3 | 24.8              | 24.7 | 25.2 |  |                                            |
| 100                        | DO (mg/L)          | 6.6         | 6.7  | 6.7  | 6.7  | 6.9               | 6.6  | 6.0  |  |                                            |
|                            | Cond. (µS)         | 338         | 439  | 444  | 349  | 346               | 368  | 349  |  |                                            |
|                            | pH                 | 8.4         | 8.3  | 8.4  | 8.3  | 8.3               | 8.4  | 8.3  |  |                                            |
|                            | Temp. (°C)         | 25.2        | 21.7 | 19.7 | 24.6 | 24.6              | 25.4 | 24.3 |  |                                            |
| Incubator Temperature (°C) |                    | 26.0        | 26.0 | 26.5 | 26.5 | 26.5              | 26.5 | 26.5 |  | Max: 27.8 <sup>3</sup>                     |
| Analyst                    |                    | KR          | FL   | NL   | ISM  | AL                | AL   | ISM  |  | Min: 19.7                                  |
| Time Analyzed              |                    | 1245        | 1330 | 1415 | 1230 | 1305              | 1325 | 1310 |  | Range: 7.8 <sup>6</sup>                    |
| Environmental Chamber      |                    | W           | W    | W    | S    | S                 | S    | S    |  | Mean: 23.4 <sup>5</sup> ± 3.8 <sup>5</sup> |
| Meter Number               |                    | 1           | 1    | 1    | 1    | 1                 | 1    | 1    |  |                                            |

Data from day seven excluded from all analyses.

Data Checked and Approved by Laboratory Manager (Initials): NL

# CHRONIC TOXICITY CHEMISTRY BENCH SHEET

START Date: 10/25/22

FINISH Date: 11/1/22

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS1022 - 002A

Organism: P. promelas

| Test Conc.                 | Chemical Parameter | Day of Test |      |      |      |      |                   |      |  | COMMENTS       |
|----------------------------|--------------------|-------------|------|------|------|------|-------------------|------|--|----------------|
|                            |                    | 1           | 2    | 3    | 4    | 5    | 6                 | 7    |  |                |
| 0                          | DO (mg/L)          | 5.7         | 5.9  | 5.4  | 5.4  | 5.6  | 5.3               | 5.2  |  |                |
|                            | Cond. (µS)         | 354         | 360  | 371  | 357  | 341  | 342               | 329  |  |                |
|                            | pH                 | 8.0         | 7.9  | 7.8  | 7.7  | 7.8  | 7.8               | 7.9  |  |                |
|                            | Temp. (°C)         | 23.6        | 24.1 | 25.0 | 25.1 | 25.3 | 25.3              | 25.3 |  |                |
| 23                         | DO (mg/L)          | 5.7         | 5.9  | 5.5  | 5.1  | 5.6  | 5.1               | 4.9  |  |                |
|                            | Cond. (µS)         | 343         | 344  | 363  | 352  | 340  | 338               | 330  |  |                |
|                            | pH                 | 7.9         | 7.9  | 7.8  | 7.7  | 7.8  | 7.8 <sup>HL</sup> | 7.8  |  |                |
|                            | Temp. (°C)         | 24.0        | 24.2 | 25.2 | 24.7 | 25.1 | 25.9              | 25.2 |  |                |
| 45                         | DO (mg/L)          | 5.6         | 5.9  | 5.5  | 5.1  | 5.6  | 5.2               | 5.2  |  |                |
|                            | Cond. (µS)         | 341         | 343  | 361  | 348  | 342  | 337               | 328  |  |                |
|                            | pH                 | 7.9         | 7.9  | 7.8  | 7.7  | 7.8  | 7.8               | 7.8  |  |                |
|                            | Temp. (°C)         | 23.5        | 23.8 | 25.1 | 25.0 | 25.1 | 25.5              | 25.5 |  |                |
| 89                         | DO (mg/L)          | 5.7         | 5.8  | 5.4  | 5.2  | 5.6  | 5.0               | 5.1  |  |                |
|                            | Cond. (µS)         | 330         | 330  | 349  | 338  | 338  | 335               | 322  |  |                |
|                            | pH                 | 7.9         | 7.8  | 7.8  | 7.7  | 7.8  | 7.7               | 7.8  |  |                |
|                            | Temp. (°C)         | 23.6        | 23.9 | 25.2 | 25.3 | 25.2 | 25.7              | 25.2 |  |                |
| 95                         | DO (mg/L)          | 5.7         | 5.8  | 5.3  | 5.1  | 5.5  | 5.1               | 5.1  |  |                |
|                            | Cond. (µS)         | 327         | 328  | 346  | 337  | 333  | 331               | 320  |  |                |
|                            | pH                 | 7.9         | 7.8  | 7.7  | 7.7  | 7.8  | 7.7               | 7.8  |  |                |
|                            | Temp. (°C)         | 23.7        | 23.9 | 25.1 | 25.3 | 25.3 | 25.5              | 25.1 |  |                |
| 100                        | DO (mg/L)          | 5.8         | 5.8  | 5.4  | 5.0  | 5.5  | 5.0               | 5.1  |  |                |
|                            | Cond. (µS)         | 330         | 328  | 347  | 338  | 332  | 336               | 328  |  |                |
|                            | pH                 | 7.9         | 7.9  | 7.8  | 7.7  | 7.8  | 7.7               | 7.8  |  |                |
|                            | Temp. (°C)         | 23.4        | 24.0 | 24.6 | 25.2 | 25.4 | 25.5              | 25.1 |  |                |
| Incubator Temperature (°C) |                    | 26.0        | 26.5 | 26.5 | 27.0 | 26.5 | 26.5              | 26.0 |  | Max: 25.9      |
| Analyst                    |                    | KR          | FL   | ISM  | ISM  | AL   | AL                | ISM  |  | Min: 23.4      |
| Time Analyzed              |                    | 1445        | 1350 | 1400 | 1255 | 1445 | 1555              | 1300 |  | Range: 2.5     |
| Environmental Chamber      |                    | ✓           | ✓    | ✓    | ✓    | ✓    | ✓                 | ✓    |  | Mean: 24.7±1.3 |
| Meter Number               |                    | 1           | 1    | 1    | 1    | 1    | 1                 | 1    |  |                |

Data Checked and Approved by Laboratory Manager (Initials): NL



FINISH Date/Time: 11/11/22 1155

Test Substance: Effluent 002A

Begun By: A

|    |    |    |    |                 |                 |
|----|----|----|----|-----------------|-----------------|
| 25 | 17 | 22 | 28 | 35.9 $\pm$ 12.1 | 35.9 $\pm$ 12.1 |
|----|----|----|----|-----------------|-----------------|

41 21 18 20 19 32.8 ± 12.5

|    |    |    |    |            |
|----|----|----|----|------------|
| 49 | 22 | 24 | 24 | 38.9 ± 1.1 |
|----|----|----|----|------------|

|                              |               |
|------------------------------|---------------|
| Date/time adults isolated    | 10/24/22 1305 |
| Date/time neonates harvested | 10/24/22 2035 |

\* - Fourth brood excluded from total.

6 Day

~~7 Day~~

## 8 Day

Data Checked and Approved by Laboratory Manager (Initials): ML



START Date/Time: 10/25/22 1200

FINISH Date/Time: 11/1/22 1155

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS1022 - 002A

Begun By: N

| Conc.  | Day | Replicate |     |    |    |     |     |    |    |    |    | D.O.<br>(mg/L) | Analyst | Time<br>Renewed<br>and Fed | NOTES:              |                                |    |    |             |
|--------|-----|-----------|-----|----|----|-----|-----|----|----|----|----|----------------|---------|----------------------------|---------------------|--------------------------------|----|----|-------------|
|        |     | A         | B   | C  | D  | E   | F   | G  | H  | I  | J  |                |         |                            |                     |                                |    |    |             |
| 89     | 1   | 0         |     |    |    |     |     |    |    |    | 0  | 8.1            | KR      | 1145                       |                     |                                |    |    |             |
|        | 2   | 0         |     |    |    |     |     |    |    |    | 0  | 7.9            | KR      | 1255                       |                     |                                |    |    |             |
|        | 3   | 8         | 6   | 0  | 0  | 6   | 7   | 0  |    |    | 0  | 7.6            | NL      | 1335                       |                     |                                |    |    |             |
|        | 4   | 15        | 0   | 6  | 6  | 0   | 0   | 0  | 7  | 7  | 6  | 8.3            | ISM     | 1200                       |                     |                                |    |    |             |
|        | 5   | 0         | 18  | 17 | 19 | 15  | 15  | 7  | 18 | 16 | 0  | 7.5            | AL      | 1225                       |                     |                                |    |    |             |
|        | 6   | 27        | 24  | 17 | 21 | 25  | 18  | 11 | 22 | 0  | 19 | 7.3            | AL      | 1240                       |                     |                                |    |    |             |
|        | 7   | 24        | 18* | 0  | 0  | 15* | 19* | 16 | 0  | 27 | 24 | -              | ISM     | 1155                       | Summarized Results: | normalized reproduction ± S.D. |    |    |             |
|        | 8   |           |     |    |    |     |     |    |    |    |    |                |         |                            |                     |                                |    |    |             |
| TOTALS |     | 50        | 48  | 40 | 46 | 46  | 40  | 34 | 47 | 50 | 49 |                |         |                            | 10                  | 45.0 ± 5.3                     |    |    |             |
|        |     |           |     |    |    |     |     |    |    |    |    |                |         |                            |                     | 18                             | 23 | 25 | 38.3 ± 11.8 |

# FATHEAD MINNOW 7-DAY CHRONIC TOXICITY TEST BENCH SHEET

START Date/Time: 10/25/22 1215

FINISH Date/Time: 11/1/22 1220

Dilution Water: MH Recon

Test Substance: Effluent 002A

Client/Project: Ouray /OS1022 - 002A

Begun By: ISM

| CONCENTRATION &<br>REPLICATE |   | Number alive/day of test |      |      |      |      |      |      |      | #alive/<br># exposed<br>(% survival)     | COMMENTS                                                                                           |
|------------------------------|---|--------------------------|------|------|------|------|------|------|------|------------------------------------------|----------------------------------------------------------------------------------------------------|
|                              |   | Start                    | 1    | 2    | 3    | 4    | 5    | 6    | 7    |                                          |                                                                                                    |
| 0                            | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 40/40<br><br>100%                        |                                                                                                    |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
| 23                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 40/40<br><br>100%                        |                                                                                                    |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
| 45                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 40/40<br><br>100%                        |                                                                                                    |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
| 89                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 40/40<br><br>100%                        |                                                                                                    |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
| 95                           | A | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 40/40<br><br>100%                        |                                                                                                    |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
| 100                          | A | 10                       | 10   | 10   | 9    | 9    | 9    | 9    | 9    | 38/40 <sup>ISM</sup> 39<br>95%<br>97.44% | * = tech error;<br>accidental death;<br>one organism excluded<br>from all statistical<br>analyses. |
|                              | B | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | C | 10                       | 10   | 10   | 10   | 10   | 10   | 10   | 10   |                                          |                                                                                                    |
|                              | D | 10                       | 10   | 10   | 10   | 10   | 10   | 9*   | 9    |                                          |                                                                                                    |
| ANALYST                      |   | ISM                      | KR   | KR   | MN   | ISM  | KH   | AL   | ISM  | * poor hatch out, fish not fed<br>01635  |                                                                                                    |
| TIME FED AM                  |   | 820                      | 745  | 815  | 755  | 630  | 605  | 655  | -    |                                          |                                                                                                    |
| TIME FED PM                  |   | *                        | 1650 | 1655 | 1730 | 1635 | 1530 | 1455 | -    |                                          |                                                                                                    |
| TIME RENEWED                 |   | 1215                     | 1500 | 1340 | 1515 | 1300 | 1400 | 1010 | 1220 |                                          |                                                                                                    |

Template Number 10

Data Checked and Approved by Laboratory Manager (Initials): NL

# FATHEAD MINNOW 7-DAY CHRONIC TOXICITY WEIGHT BENCH SHEET

DRYING START Date/Time: 11/11/22 1255 Temp. 54 °C END Date/Time: 11/2/22 1420 Temp. Techeeror, not recorded °C

Client/Project: Ouray /OS1022 - 002A

Analyst: FL

| CONTROLS & REPLICATE      | Larvae Wt. (g.) | # FISH       |     | MEAN WT<br>Weight/Surviving Fish/Rep<br>(mg) | MEAN WT<br>Mean Weight/Surv. Fish<br>(mg) ± SD | GROWTH<br>Weight/Fish Exposed/Rep<br>(mg.)   | GROWTH<br>Mean Wt/fish exp. (mg) ± SD |
|---------------------------|-----------------|--------------|-----|----------------------------------------------|------------------------------------------------|----------------------------------------------|---------------------------------------|
|                           |                 | BEGIN        | END |                                              |                                                |                                              |                                       |
| 0                         | A               | 0.00590      | 10  | 10                                           | 0.590                                          | 0.556                                        | 0.590                                 |
|                           | B               | 0.00576      | 10  | 10                                           | 0.576                                          | ±                                            | 0.576                                 |
|                           | C               | 0.00531      | 10  | 10                                           | 0.531                                          | 0.032                                        | 0.531                                 |
|                           | D               | 0.00526      | 10  | 10                                           | 0.526                                          |                                              | 0.526                                 |
|                           | A               |              |     |                                              |                                                |                                              |                                       |
|                           | B               |              |     |                                              |                                                |                                              |                                       |
|                           | C               |              |     |                                              |                                                |                                              |                                       |
|                           | D               |              |     |                                              |                                                |                                              |                                       |
| CONCENTRATION & REPLICATE | Larvae Wt. (g.) | # Fish Begin |     | GROWTH<br>Weight/Fish Exposed/Rep (mg.)      |                                                | GROWTH<br>Mean Weight/Fish Exposed (mg) ± SD |                                       |
| 23                        | A               | 0.00626      | 10  | 10                                           | 0.626                                          | 0.516                                        |                                       |
|                           | B               | 0.00471      | 10  | 10                                           | 0.471                                          | ±                                            |                                       |
|                           | C               | 0.00518      | 10  | 10                                           | 0.518                                          |                                              |                                       |
|                           | D               | 0.00447      | 10  | 10                                           | 0.447                                          | 0.079                                        |                                       |
| 45                        | A               | 0.00599      | 10  | 10                                           | 0.599                                          | 0.555                                        |                                       |
|                           | B               | 0.00559      | 10  | 10                                           | 0.559                                          | ±                                            |                                       |
|                           | C               | 0.00548      | 10  | 10                                           | 0.548                                          |                                              |                                       |
|                           | D               | 0.00515      | 10  | 10                                           | 0.515                                          | 0.035                                        |                                       |
| 89                        | A               | 0.00566      | 10  | 10                                           | 0.566                                          | 0.603                                        |                                       |
|                           | B               | 0.00671      | 10  | 10                                           | 0.671                                          | ±                                            |                                       |
|                           | C               | 0.00597      | 10  | 10                                           | 0.597                                          |                                              |                                       |
|                           | D               | 0.00579      | 10  | 10                                           | 0.579                                          | 0.047                                        |                                       |
| 95                        | A               | 0.00553      | 10  | 10                                           | 0.553                                          | 0.538                                        |                                       |
|                           | B               | 0.00530      | 10  | 10                                           | 0.530                                          | ±                                            |                                       |
|                           | C               | 0.00467      | 10  | 10                                           | 0.467                                          |                                              |                                       |
|                           | D               | 0.00600      | 10  | 10                                           | 0.600                                          | 0.055                                        |                                       |
| 100                       | A               | 0.00465      | 10  | 10                                           | 0.465                                          | 0.499                                        |                                       |
|                           | B               | 0.00445      | 10  | 10                                           | 0.445                                          | ±                                            |                                       |
|                           | C               | 0.00548      | 10  | 10                                           | 0.548                                          |                                              |                                       |
|                           | D               | 0.00485      | 9   | 9                                            | 0.485                                          | 0.539                                        | 0.052                                 |

Data Checked and Approved by Laboratory Manager (Initials): NL

# CETIS Summary Report

Report Date: 07 Jan-23 22:56 (p 1 of 1)  
Test Code/ID: 2224B132 / 05-7283-0002

## Ceriodaphnia 7-d Survival and Reproduction Test

GEI Consultants, Inc

|                                      |                                                |                                                    |
|--------------------------------------|------------------------------------------------|----------------------------------------------------|
| <b>Batch ID:</b> 08-8654-2989        | <b>Test Type:</b> Reproduction-Survival (6-8d) | <b>Analyst:</b>                                    |
| <b>Start Date:</b> 25 Oct-22 12:00   | <b>Protocol:</b> EPA/821/R-02-013 (2002)       | <b>Diluent:</b> Mod-Hard Synthetic Water           |
| <b>Ending Date:</b> 01 Nov-22 11:55  | <b>Species:</b> Ceriodaphnia dubia             | <b>Brine:</b>                                      |
| <b>Test Length:</b> 7d               | <b>Taxon:</b> Branchiopoda                     | <b>Source:</b> In-House Culture <b>Age:</b>        |
| <b>Sample ID:</b> 19-7622-6410       | <b>Code:</b> OS1022-002A                       | <b>Project:</b> WET Quarterly Compliance Test (4Q) |
| <b>Sample Date:</b> 24 Oct-22 11:10  | <b>Material:</b> Mining Effluent               | <b>Source:</b> NPDES Permit #CO-0000003            |
| <b>Receipt Date:</b> 25 Oct-22 07:25 | <b>CAS (PC):</b>                               | <b>Station:</b> 002A                               |
| <b>Sample Age:</b> 25h (1.5 °C)      | <b>Client:</b> Ouray Silver Mines              |                                                    |

## Multiple Comparison Summary

| Analysis ID  | Endpoint         | Comparison Method                 | ✓ | NOEL | LOEL | TOEL | TU | PMSD  | S |
|--------------|------------------|-----------------------------------|---|------|------|------|----|-------|---|
| 01-9613-3301 | 6d Reproduction  | Steel Many-One Rank Sum Test      |   | 100  | >100 | n/a  | 1  | 33.5% | 1 |
| 13-1115-3690 | 6d Survival Rate | Fisher Exact/Bonferroni-Holm Test |   | 100  | >100 | n/a  | 1  | n/a   | 1 |

## Point Estimate Summary

| Analysis ID  | Endpoint         | Point Estimate Method        | ✓ | Level | %     | 95% LCL | 95% UCL | TU    | S |
|--------------|------------------|------------------------------|---|-------|-------|---------|---------|-------|---|
| 18-6682-0887 | 6d Reproduction  | Linear Interpolation (ICPIN) | ✓ | IC5   | 97.42 | 7.013   | n/a     | 1.026 | 1 |
|              |                  |                              | ✓ | IC10  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ | IC15  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ | IC20  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ | IC25  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ | IC40  | >100  | n/a     | n/a     | <1    |   |
| 19-7395-6656 | 6d Survival Rate | Linear Interpolation (ICPIN) | ✓ | EC5   | >100  | n/a     | n/a     | <1    | 1 |
|              |                  |                              | ✓ | EC10  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ | EC15  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ | EC20  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ | EC25  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ | EC40  | >100  | n/a     | n/a     | <1    |   |
|              |                  |                              | ✓ | EC50  | >100  | n/a     | n/a     | <1    |   |

## 6d Reproduction Summary

| Conc-% | Code | Count | Mean | 95% LCL | 95% UCL | Min | Max | Std Err | Std Dev | CV%    | %Effect |
|--------|------|-------|------|---------|---------|-----|-----|---------|---------|--------|---------|
| 0      | D    | 10    | 35.9 | 27.23   | 44.57   | 17  | 49  | 3.834   | 12.12   | 33.77% | 0.00%   |
| 23     |      | 10    | 32.8 | 23.88   | 41.72   | 18  | 50  | 3.943   | 12.47   | 38.02% | 8.64%   |
| 45     |      | 10    | 38.4 | 30.48   | 46.32   | 22  | 50  | 3.5     | 11.07   | 28.82% | -6.96%  |
| 89     |      | 10    | 38.3 | 29.86   | 46.74   | 18  | 50  | 3.733   | 11.8    | 30.82% | -6.69%  |
| 95     |      | 10    | 35.5 | 28.23   | 42.77   | 19  | 47  | 3.212   | 10.16   | 28.61% | 1.11%   |
| 100    |      | 10    | 33.5 | 24.38   | 42.62   | 17  | 50  | 4.031   | 12.75   | 38.05% | 6.69%   |

## 6d Survival Rate Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min    | Max    | Std Err | Std Dev | CV%   | %Effect |
|--------|------|-------|--------|---------|---------|--------|--------|---------|---------|-------|---------|
| 0      | D    | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 23     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 45     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 89     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 95     |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 100    |      | 10    | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |

# CETIS Summary Report

Report Date: 01 Dec-22 08:51 (p 1 of 1)  
Test Code/ID: 28167BE6 / 06-7256-2150

## Fathead Minnow 7-d Larval Survival and Growth Test

GEI Consultants, Inc

|                               |                                   |                                             |
|-------------------------------|-----------------------------------|---------------------------------------------|
| Batch ID: 10-4278-7963        | Test Type: Growth-Survival (7d)   | Analyst:                                    |
| Start Date: 25 Oct-22 12:15   | Protocol: EPA/821/R-02-013 (2002) | Diluent: Mod-Hard Synthetic Water           |
| Ending Date: 01 Nov-22 12:20  | Species: Pimephales promelas      | Brine:                                      |
| Test Length: 7d 0h            | Taxon: Actinopterygii             | Source: Aquatic Biosystems, CO Age:         |
| Sample ID: 12-4535-5440       | Code: OS1022                      | Project: WET Quarterly Compliance Test (4Q) |
| Sample Date: 24 Oct-22 11:10  | Material: Mining Effluent         | Source: NPDES Permit #CO-0000003            |
| Receipt Date: 25 Oct-22 07:25 | CAS (PC):                         | Station: 002A                               |
| Sample Age: 25h (1.5 °C)      | Client: Ouray Silver Mines        |                                             |

## Multiple Comparison Summary

| Analysis ID  | Endpoint            | Comparison Method                | ✓ | NOEL | LOEL | TOEL | TU | PMSD  | S |
|--------------|---------------------|----------------------------------|---|------|------|------|----|-------|---|
| 05-2298-9345 | 7d Survival Rate    | Steel Many-One Rank Sum Test     |   | 100  | >100 | n/a  | 1  | 4.53% | 1 |
| 14-0433-2541 | Mean Dry Biomass-mg | Dunnett Multiple Comparison Test |   | 100  | >100 | n/a  | 1  | 16.0% | 1 |

## Point Estimate Summary

| Analysis ID  | Endpoint            | Point Estimate Method        | ✓ | Level | %     | 95% LCL | 95% UCL | TU    | S |
|--------------|---------------------|------------------------------|---|-------|-------|---------|---------|-------|---|
| 19-9157-5935 | 7d Survival Rate    | Linear Interpolation (ICPIN) |   | EC5   | >100  | n/a     | n/a     | <1    | 1 |
|              |                     |                              |   | EC10  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              | ✓ | EC15  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              | ✓ | EC20  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              | ✓ | EC25  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              | ✓ | EC40  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              | ✓ | EC50  | >100  | n/a     | n/a     | <1    |   |
| 17-9481-0155 | Mean Dry Biomass-mg | Linear Interpolation (ICPIN) | ✓ | IC5   | 96.04 | n/a     | n/a     | 1.041 | 1 |
|              |                     |                              | ✓ | IC10  | 99.68 | 89.43   | n/a     | 1.003 |   |
|              |                     |                              | ✓ | IC15  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              | ✓ | IC20  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              | ✓ | IC25  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              | ✓ | IC40  | >100  | n/a     | n/a     | <1    |   |
|              |                     |                              | ✓ | IC50  | >100  | n/a     | n/a     | <1    |   |

## Test Acceptability

### TAC Limits

| Analysis ID  | Endpoint            | Attribute    | Test Stat | Lower | Upper | Overlap | Decision        |
|--------------|---------------------|--------------|-----------|-------|-------|---------|-----------------|
| 05-2298-9345 | 7d Survival Rate    | Control Resp | 1         | 0.8   | >>    | Yes     | Passes Criteria |
| 19-9157-5935 | 7d Survival Rate    | Control Resp | 1         | 0.8   | >>    | Yes     | Passes Criteria |
| 14-0433-2541 | Mean Dry Biomass-mg | Control Resp | 0.5558    | 0.25  | >>    | Yes     | Passes Criteria |
| 17-9481-0155 | Mean Dry Biomass-mg | Control Resp | 0.5558    | 0.25  | >>    | Yes     | Passes Criteria |
| 14-0433-2541 | Mean Dry Biomass-mg | PMSD         | 0.1605    | 0.12  | 0.3   | Yes     | Passes Criteria |

## 7d Survival Rate Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min    | Max    | Std Err | Std Dev | CV%   | %Effect |
|--------|------|-------|--------|---------|---------|--------|--------|---------|---------|-------|---------|
| 0      | D    | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 23     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 45     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 89     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 95     |      | 4     | 1.0000 | 1.0000  | 1.0000  | 1.0000 | 1.0000 | 0.0000  | 0.0000  | 0.00% | 0.00%   |
| 100    |      | 4     | 0.9750 | 0.8954  | 1.0000  | 0.9000 | 1.0000 | 0.0250  | 0.0500  | 5.13% | 2.50%   |

## Mean Dry Biomass-mg Summary

| Conc-% | Code | Count | Mean   | 95% LCL | 95% UCL | Min   | Max   | Std Err | Std Dev | CV%    | %Effect |
|--------|------|-------|--------|---------|---------|-------|-------|---------|---------|--------|---------|
| 0      | D    | 4     | 0.5558 | 0.5048  | 0.6067  | 0.526 | 0.59  | 0.01602 | 0.03205 | 5.77%  | 0.00%   |
| 23     |      | 4     | 0.5155 | 0.3892  | 0.6418  | 0.447 | 0.626 | 0.03967 | 0.07935 | 15.39% | 7.24%   |
| 45     |      | 4     | 0.5552 | 0.5001  | 0.6104  | 0.515 | 0.599 | 0.01732 | 0.03464 | 6.24%  | 0.09%   |
| 89     |      | 4     | 0.6032 | 0.5286  | 0.6779  | 0.566 | 0.671 | 0.02346 | 0.04692 | 7.78%  | -8.55%  |
| 95     |      | 4     | 0.5375 | 0.4495  | 0.6255  | 0.467 | 0.6   | 0.02765 | 0.0553  | 10.29% | 3.28%   |
| 100    |      | 4     | 0.4992 | 0.4167  | 0.5817  | 0.445 | 0.548 | 0.02592 | 0.05185 | 10.39% | 10.17%  |



## **Attachment B**

**Attachment B Summary of Groundwater Data for Past 5 Quarters GW-1A**

| Analyte                          | Units  | GW Std | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL     |
|----------------------------------|--------|--------|----------|----------|----------|-----------------|--------------|---------|
| Aluminum, dissolved              | mg/L   | 5      | 0.05     | 0.05     | 0.05000  | 1               | 1            | 0.05    |
| Antimony, dissolved              | mg/L   | Report | 0.00085  | 0.00085  | 0.00085  |                 | 1            | 0.0004  |
| Arsenic, dissolved               | mg/L   | 0.1    | 0.00049  | 0.00049  | 0.00049  |                 | 1            | 0.0002  |
| Barium, dissolved                | mg/L   | Report | 0.0406   | 0.0406   | 0.0406   |                 | 1            | 0.009   |
| Beryllium, dissolved             | mg/L   | 0.1    | 0.00008  | 0.00008  | 0.00008  | 1               | 1            | 0.00008 |
| Bicarbonate as CaCO3             | mg/L   | Report | 43.4     | 43.4     | 43.4     |                 | 1            | 2       |
| Boron, dissolved                 | mg/L   | 0.75   | 0.03     | 0.03     | 0.03     | 1               | 1            | 0.03    |
| Cadmium, dissolved               | mg/L   | 0.001  | 0.000121 | 0.000121 | 0.000121 |                 | 1            | 0.00005 |
| Calcium, dissolved               | mg/L   | Report | 26.5     | 26.5     | 26.5     |                 | 1            | 0.1     |
| Carbonate as CaCO3               | mg/L   | Report | 2        | 2        | 2        | 1               | 1            | 2       |
| Chloride                         | mg/L   | 250    | 0.73     | 0.73     | 0.73     |                 | 1            | 0.5     |
| Chromium, dissolved              | mg/L   | 0.1    | 0.0005   | 0.0005   | 0.0005   | 1               | 1            | 0.0005  |
| Conductivity (field)             | µS/cm  |        | 0.9      | 0.9      | 0.9      |                 | 1            |         |
| Conductivity @25C                | µS/cm  | Report | 178      | 178      | 178      |                 | 1            | 1       |
| Copper, dissolved                | mg/L   | 0.009  | 0.0008   | 0.0008   | 0.0008   | 1               | 1            | 0.0008  |
| Cyanide, total                   | mg/L   | 0.005  | 0.0047   | 0.0047   | 0.0047   |                 | 1            | 0.003   |
| DO (field)                       | %      |        | 77.8     | 77.8     | 77.8     |                 | 1            |         |
| Fluoride                         | mg/L   | 2      | 0.19     | 0.19     | 0.19     |                 | 1            | 0.15    |
| Hardness as CaCO3 (dissolved)    | mg/L   | Report | 75       | 75       | 75       |                 | 1            | 0.2     |
| Hydroxide as CaCO3               | mg/L   | Report | 2        | 2        | 2        | 1               | 1            | 2       |
| Iron, dissolved                  | mg/L   | 1      | 0.06     | 0.06     | 0.06     | 1               | 1            | 0.06    |
| Lead, dissolved                  | mg/L   | 0.044  | 0.0001   | 0.0001   | 0.0001   | 1               | 1            | 0.0001  |
| Magnesium, dissolved             | mg/L   | Report | 2.23     | 2.23     | 2.23     |                 | 1            | 0.2     |
| Manganese, dissolved             | mg/L   | 1.672  | 0.01     | 0.01     | 0.01     | 1               | 1            | 0.01    |
| Mercury, dissolved               | mg/L   | 0.01   | 0.0002   | 0.0002   | 0.0002   | 1               | 1            | 0.0002  |
| Molybdenum, dissolved            | mg/L   | Report | 0.001    | 0.001    | 0.001    |                 | 1            | 0.0002  |
| Nickel, dissolved                | mg/L   | 0.05   | 0.008    | 0.008    | 0.008    | 1               | 1            | 0.008   |
| Nitrate/Nitrite as N             | mg/L   | 100    | 1.06     | 1.06     | 1.06     |                 | 1            | 0.02    |
| ORP (field)                      | mV     |        | 121.9    | 121.9    | 121.9    |                 | 1            |         |
| pH                               | s.u.   | 6-9    | 7.9      | 7.9      | 7.9      |                 | 1            | 0.1     |
| pH (field)                       | s.u.   | 6-9    | 7.42     | 7.42     | 7.42     |                 | 1            |         |
| Phosphorus, total                | mg/L   | NA     | 0.01     | 0.01     | 0.01     | 1               | 1            | 0.01    |
| Potassium, dissolved             | mg/L   | Report | 0.38     | 0.38     | 0.38     |                 | 1            | 0.2     |
| Residue, Filterable (TDS) @180C  | mg/L   | 400    | 118      | 118      | 118      |                 | 1            | 20      |
| Residue, Non-Filterable (TSS) @1 | mg/L   | Report | 5        | 5        | 5        | 1               | 1            | 5       |
| Selenium, dissolved              | mg/L   | 0.005  | 0.00029  | 0.00029  | 0.00029  |                 | 1            | 0.0001  |
| Silica, dissolved                | mg/L   | Report | 4.7      | 4.7      | 4.7      |                 | 1            | 0.2     |
| Silver, dissolved                | mg/L   | 0.0001 | 0.0001   | 0.0001   | 0.0001   | 1               | 1            | 0.0001  |
| Sodium, dissolved                | mg/L   | Report | 2.57     | 2.57     | 2.57     |                 | 1            | 0.2     |
| Sulfate                          | mg/L   | 250    | 38.5     | 38.5     | 38.5     |                 | 1            | 1       |
| Thallium, dissolved              | mg/L   | Report | 0.0001   | 0.0001   | 0.0001   | 1               | 1            | 0.0001  |
| Total Alkalinity                 | mg/L   | Report | 43.4     | 43.4     | 43.4     |                 | 1            | 2       |
| Uranium, dissolved               | mg/L   | Report | 0.0001   | 0.0001   | 0.0001   | 1               | 1            | 0.0001  |
| Vanadium, dissolved              | mg/L   | 0.1    | 0.01     | 0.01     | 0.01     | 1               | 1            | 0.01    |
| Water Temperature (field)        | deg. C |        | 2.8      | 2.8      | 2.8      |                 | 1            |         |
| Zinc, dissolved                  | mg/L   | 5      | 0.061    | 0.061    | 0.061    |                 | 1            | 0.02    |

**Attachment B Summary of Groundwater Data for Past 5 Quarters GW-1B**

| Analyte                          | Units  | GW Std | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL     |
|----------------------------------|--------|--------|----------|----------|----------|-----------------|--------------|---------|
| Aluminum, dissolved              | mg/L   | 5      | 0.05     | 0.05     | 0.05     | 5               | 5            | 0.05    |
| Antimony, dissolved              | mg/L   | Report | 0.00069  | 0.00098  | 0.000814 |                 | 5            | 0.0004  |
| Arsenic, dissolved               | mg/L   | 0.1    | 0.00042  | 0.0006   | 0.00053  |                 | 5            | 0.0002  |
| Barium, dissolved                | mg/L   | Report | 0.0435   | 0.0593   | 0.05028  |                 | 5            | 0.0082  |
| Beryllium, dissolved             | mg/L   | 0.1    | 0.00008  | 0.00008  | 0.00008  | 5               | 5            | 0.00008 |
| Bicarbonate as CaCO3             | mg/L   | Report | 35.1     | 58.7     | 44.62    |                 | 5            | 2       |
| Boron, dissolved                 | mg/L   | 0.75   | 0.03     | 0.03     | 0.03     | 5               | 5            | 0.03    |
| Cadmium, dissolved               | mg/L   | 0.001  | 0.000109 | 0.000135 | 0.000121 |                 | 5            | 0.00005 |
| Calcium, dissolved               | mg/L   | Report | 27.2     | 41       | 32.32    |                 | 5            | 0.1     |
| Carbonate as CaCO3               | mg/L   | Report | 2        | 2        | 2        | 5               | 5            | 2       |
| Chloride                         | mg/L   | 250    | 0.51     | 1.07     | 0.776667 | 2               | 5            | 0.7     |
| Chromium, dissolved              | mg/L   | 0.1    | 0.0005   | 0.0005   | 0.0005   | 5               | 5            | 0.0005  |
| Conductivity (field)             | µS/cm  |        | 0.2      | 228      | 89       |                 | 5            |         |
| Conductivity @25C                | µS/cm  | Report | 178      | 257      | 207.2    |                 | 5            | 1       |
| Copper, dissolved                | mg/L   | 0.009  | 0.00142  | 0.00142  | 0.00142  | 4               | 5            | 0.0008  |
| Cyanide, total                   | mg/L   | 0.005  | 0.003    | 0.003    | 0.003    | 5               | 5            | 0.003   |
| DO (field)                       | %      |        | 54.8     | 96.6     | 73.55    | 1               | 5            |         |
| Fluoride                         | mg/L   | 2      | 0.18     | 0.23     | 0.2      | 2               | 5            | 0.15    |
| Hardness as CaCO3 (dissolved)    | mg/L   | Report | 77       | 116      | 91.8     |                 | 5            | 0.2     |
| Hydroxide as CaCO3               | mg/L   | Report | 2        | 2        | 2        | 5               | 5            | 2       |
| Iron, dissolved                  | mg/L   | 1      | 0.06     | 0.06     | 0.06     | 5               | 5            | 0.06    |
| Lead, dissolved                  | mg/L   | 0.044  | 0.00012  | 0.00021  | 0.000154 |                 | 5            | 0.0001  |
| Magnesium, dissolved             | mg/L   | Report | 2.27     | 3.4      | 2.762    |                 | 5            | 0.2     |
| Manganese, dissolved             | mg/L   | 1.672  | 0.01     | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Mercury, dissolved               | mg/L   | 0.01   | 0.0002   | 0.0002   | 0.0002   | 5               | 5            | 0.0002  |
| Molybdenum, dissolved            | mg/L   | Report | 0.00081  | 0.0016   | 0.001126 |                 | 5            | 0.0002  |
| Nickel, dissolved                | mg/L   | 0.05   | 0.008    | 0.008    | 0.008    | 5               | 5            | 0.008   |
| Nitrate/Nitrite as N             | mg/L   | 100    | 0.073    | 1.1      | 0.2982   |                 | 5            | 0.02    |
| ORP (field)                      | mV     |        | -732     | 273      | -2.24    |                 | 5            |         |
| pH                               | s.u.   | 6-9    | 6.6      | 8        | 7.4      |                 | 5            | 0.1     |
| pH (field)                       | s.u.   | 6-9    | 6.92     | 8.11     | 7.426    |                 | 5            |         |
| Phosphorus, total                | mg/L   | NA     | 0.01     | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Potassium, dissolved             | mg/L   | Report | 0.4      | 0.74     | 0.558    |                 | 5            | 0.2     |
| Residue, Filterable (TDS) @180C  | mg/L   | 400    | 108      | 154      | 129.2    |                 | 5            | 20      |
| Residue, Non-Filterable (TSS) @1 | mg/L   | Report | 5        | 5        | 5        | 5               | 5            | 5       |
| Selenium, dissolved              | mg/L   | 0.005  | 0.00025  | 0.00046  | 0.000323 | 1               | 5            | 0.0001  |
| Silica, dissolved                | mg/L   | Report | 4.5      | 5.2      | 4.78     |                 | 5            | 0.2     |
| Silver, dissolved                | mg/L   | 0.0001 | 0.0001   | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Sodium, dissolved                | mg/L   | Report | 1.78     | 3.3      | 2.53     |                 | 5            | 0.2     |
| Sulfate                          | mg/L   | 250    | 36.8     | 87.3     | 56.52    |                 | 5            | 4.2     |
| Thallium, dissolved              | mg/L   | Report | 0.0001   | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Total Alkalinity                 | mg/L   | Report | 35.1     | 58.7     | 44.62    |                 | 5            | 2       |
| Uranium, dissolved               | mg/L   | Report | 0.00013  | 0.00013  | 0.00013  | 4               | 5            | 0.0001  |
| Vanadium, dissolved              | mg/L   | 0.1    | 0.01     | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Water Temperature (field)        | deg. C |        | 0.8      | 8.9      | 3.44     |                 | 5            |         |
| Zinc, dissolved                  | mg/L   | 5      | 0.054    | 0.066    | 0.0594   |                 | 5            | 0.02    |



**Attachment B Summary of Groundwater Data for Past 5 Quarters GW-2A**

| Analyte                          | Units  | GW Std | Minimum | Maximum  | Average  | Nondetect Count | Sample Count | MDL     |
|----------------------------------|--------|--------|---------|----------|----------|-----------------|--------------|---------|
| Aluminum, dissolved              | mg/L   | 5      | 0.05    | 0.05     | 0.05000  | 5               | 5            | 0.05    |
| Antimony, dissolved              | mg/L   | Report | 0.00091 | 0.00124  | 0.001002 |                 | 5            | 0.0004  |
| Arsenic, dissolved               | mg/L   | 0.1    | 0.00022 | 0.00033  | 0.000266 |                 | 5            | 0.0002  |
| Barium, dissolved                | mg/L   | Report | 0.0444  | 0.0537   | 0.05002  |                 | 5            | 0.0082  |
| Beryllium, dissolved             | mg/L   | 0.1    | 0.00008 | 0.00008  | 0.00008  | 5               | 5            | 0.00008 |
| Bicarbonate as CaCO3             | mg/L   | Report | 28.3    | 34.3     | 32.04    |                 | 5            | 2       |
| Boron, dissolved                 | mg/L   | 0.75   | 0.03    | 0.03     | 0.03     | 5               | 5            | 0.03    |
| Cadmium, dissolved               | mg/L   | 0.001  | 0.00056 | 0.000637 | 0.0006   |                 | 5            | 0.00005 |
| Calcium, dissolved               | mg/L   | Report | 29.4    | 34.5     | 31.84    |                 | 5            | 0.1     |
| Carbonate as CaCO3               | mg/L   | Report | 2       | 2        | 2        | 5               | 5            | 2       |
| Chloride                         | mg/L   | 250    | 0.61    | 1.19     | 0.9275   | 1               | 5            | 0.7     |
| Chromium, dissolved              | mg/L   | 0.1    | 0.0005  | 0.0005   | 0.0005   | 5               | 5            | 0.0005  |
| Conductivity (field)             | µS/cm  |        | 1.1     | 211.4    | 88.88    |                 | 5            |         |
| Conductivity @25C                | µS/cm  | Report | 196     | 218      | 208      |                 | 5            | 1       |
| Copper, dissolved                | mg/L   | 0.009  | 0.00083 | 0.00083  | 0.00083  | 4               | 5            | 0.0008  |
| Cyanide, total                   | mg/L   | 0.005  | 0.011   | 0.011    | 0.011    | 4               | 5            | 0.003   |
| DO (field)                       | %      |        | 45.4    | 94.2     | 69.4     | 1               | 5            |         |
| Fluoride                         | mg/L   | 2      | 0.19    | 0.28     | 0.236    |                 | 5            | 0.15    |
| Hardness as CaCO3 (dissolved)    | mg/L   | Report | 83      | 97       | 89.8     |                 | 5            | 0.2     |
| Hydroxide as CaCO3               | mg/L   | Report | 2       | 2        | 2        | 5               | 5            | 2       |
| Iron, dissolved                  | mg/L   | 1      | 0.06    | 0.06     | 0.06     | 5               | 5            | 0.06    |
| Lead, dissolved                  | mg/L   | 0.044  | 0.00011 | 0.00035  | 0.000218 |                 | 5            | 0.0001  |
| Magnesium, dissolved             | mg/L   | Report | 2.28    | 2.61     | 2.468    |                 | 5            | 0.2     |
| Manganese, dissolved             | mg/L   | 1.672  | 0.01    | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Mercury, dissolved               | mg/L   | 0.01   | 0.0002  | 0.0002   | 0.0002   | 5               | 5            | 0.0002  |
| Molybdenum, dissolved            | mg/L   | Report | 0.00092 | 0.00147  | 0.001084 |                 | 5            | 0.0002  |
| Nickel, dissolved                | mg/L   | 0.05   | 0.008   | 0.008    | 0.008    | 5               | 5            | 0.008   |
| Nitrate/Nitrite as N             | mg/L   | 100    | 0.159   | 1.03     | 0.603    |                 | 5            | 0.02    |
| ORP (field)                      | mV     |        | -215.6  | 272      | 123.7    |                 | 5            |         |
| pH                               | s.u.   | 6-9    | 6.4     | 7.7      | 7.14     |                 | 5            | 0.1     |
| pH (field)                       | s.u.   | 6-9    | 6.71    | 7.51     | 7.106    |                 | 5            |         |
| Phosphorus, total                | mg/L   | NA     | 0.01    | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Potassium, dissolved             | mg/L   | Report | 0.48    | 0.78     | 0.606    |                 | 5            | 0.2     |
| Residue, Filterable (TDS) @180C  | mg/L   | 400    | 114     | 142      | 127.2    |                 | 5            | 20      |
| Residue, Non-Filterable (TSS) @1 | mg/L   | Report | 5       | 5        | 5        | 5               | 5            | 5       |
| Selenium, dissolved              | mg/L   | 0.005  | 0.00014 | 0.00043  | 0.000272 |                 | 5            | 0.0001  |
| Silica, dissolved                | mg/L   | Report | 4.6     | 5.4      | 5.1      |                 | 5            | 0.2     |
| Silver, dissolved                | mg/L   | 0.0001 | 0.0001  | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Sodium, dissolved                | mg/L   | Report | 2.15    | 2.48     | 2.29     |                 | 5            | 0.2     |
| Sulfate                          | mg/L   | 250    | 54      | 68       | 60.28    |                 | 5            | 5       |
| Thallium, dissolved              | mg/L   | Report | 0.0001  | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Total Alkalinity                 | mg/L   | Report | 28.3    | 34.3     | 32.04    |                 | 5            | 2       |
| Uranium, dissolved               | mg/L   | Report | 0.0001  | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Vanadium, dissolved              | mg/L   | 0.1    | 0.01    | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Water Temperature (field)        | deg. C |        | 2.4     | 7.7      | 3.94     |                 | 5            |         |
| Zinc, dissolved                  | mg/L   | 5      | 0.444   | 0.486    | 0.4666   |                 | 5            | 0.02    |

**Attachment B Summary of Groundwater Data for Past 5 Quarters GW-2B**

| Analyte                          | Units  | GW Std | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL     |
|----------------------------------|--------|--------|----------|----------|----------|-----------------|--------------|---------|
| Aluminum, dissolved              | mg/L   | 5      | 0.05     | 0.05     | 0.05     | 5               | 5            | 0.05    |
| Antimony, dissolved              | mg/L   | Report | 0.00075  | 0.00085  | 0.00078  |                 | 5            | 0.0004  |
| Arsenic, dissolved               | mg/L   | 0.1    | 0.00022  | 0.0003   | 0.000266 |                 | 5            | 0.0002  |
| Barium, dissolved                | mg/L   | Report | 0.055    | 0.0727   | 0.06     |                 | 5            | 0.0078  |
| Beryllium, dissolved             | mg/L   | 0.1    | 0.00008  | 0.00008  | 0.00008  | 5               | 5            | 0.00008 |
| Bicarbonate as CaCO3             | mg/L   | Report | 29.1     | 43.3     | 34.9     |                 | 5            | 2       |
| Boron, dissolved                 | mg/L   | 0.75   | 0.03     | 0.03     | 0.03     | 5               | 5            | 0.03    |
| Cadmium, dissolved               | mg/L   | 0.001  | 0.000217 | 0.000278 | 0.000238 |                 | 5            | 0.00005 |
| Calcium, dissolved               | mg/L   | Report | 27.9     | 39.7     | 31.98    |                 | 5            | 0.1     |
| Carbonate as CaCO3               | mg/L   | Report | 2        | 2        | 2        | 5               | 5            | 2       |
| Chloride                         | mg/L   | 250    | 0.59     | 1.19     | 0.92     | 1               | 5            | 0.7     |
| Chromium, dissolved              | mg/L   | 0.1    | 0.0005   | 0.0005   | 0.0005   | 5               | 5            | 0.0005  |
| Conductivity (field)             | µS/cm  |        | 7.8      | 198.4    | 82.48    |                 | 5            |         |
| Conductivity @25C                | µS/cm  | Report | 184      | 251      | 206.8    |                 | 5            | 1       |
| Copper, dissolved                | mg/L   | 0.009  | 0.0008   | 0.0008   | 0.0008   | 5               | 5            | 0.0008  |
| Cyanide, total                   | mg/L   | 0.005  | 0.003    | 0.003    | 0.003    | 5               | 5            | 0.003   |
| DO (field)                       | %      |        | 46.6     | 105.4    | 70.325   | 1               | 5            |         |
| Fluoride                         | mg/L   | 2      | 0.19     | 0.23     | 0.218    |                 | 5            | 0.15    |
| Hardness as CaCO3 (dissolved)    | mg/L   | Report | 79       | 112      | 90.6     |                 | 5            | 0.2     |
| Hydroxide as CaCO3               | mg/L   | Report | 2        | 2        | 2        | 5               | 5            | 2       |
| Iron, dissolved                  | mg/L   | 1      | 0.06     | 0.06     | 0.06     | 5               | 5            | 0.06    |
| Lead, dissolved                  | mg/L   | 0.044  | 0.0001   | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Magnesium, dissolved             | mg/L   | Report | 2.26     | 3.18     | 2.59     |                 | 5            | 0.2     |
| Manganese, dissolved             | mg/L   | 1.672  | 0.01     | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Mercury, dissolved               | mg/L   | 0.01   | 0.0002   | 0.0002   | 0.0002   | 5               | 5            | 0.0002  |
| Molybdenum, dissolved            | mg/L   | Report | 0.00079  | 0.00101  | 0.000892 |                 | 5            | 0.0002  |
| Nickel, dissolved                | mg/L   | 0.05   | 0.008    | 0.008    | 0.008    | 5               | 5            | 0.008   |
| Nitrate/Nitrite as N             | mg/L   | 100    | 0.137    | 0.824    | 0.412    |                 | 5            | 0.02    |
| ORP (field)                      | mV     |        | -182.8   | 925      | 257.7    |                 | 5            |         |
| pH                               | s.u.   | 6-9    | 6.5      | 7.7      | 7.18     |                 | 5            | 0.1     |
| pH (field)                       | s.u.   | 6-9    | 6.26     | 7.2      | 6.84     |                 | 5            |         |
| Phosphorus, total                | mg/L   | NA     | 0.01     | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Potassium, dissolved             | mg/L   | Report | 0.55     | 0.74     | 0.658    |                 | 5            | 0.2     |
| Residue, Filterable (TDS) @180C  | mg/L   | 400    | 112      | 164      | 128      |                 | 5            | 20      |
| Residue, Non-Filterable (TSS) @1 | mg/L   | Report | 5        | 5        | 5        | 5               | 5            | 5       |
| Selenium, dissolved              | mg/L   | 0.005  | 0.00012  | 0.0004   | 0.000278 |                 | 5            | 0.0001  |
| Silica, dissolved                | mg/L   | Report | 4.9      | 5.8      | 5.42     |                 | 5            | 0.2     |
| Silver, dissolved                | mg/L   | 0.0001 | 0.0001   | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Sodium, dissolved                | mg/L   | Report | 1.99     | 2.43     | 2.228    |                 | 5            | 0.2     |
| Sulfate                          | mg/L   | 250    | 46.4     | 79.2     | 60.5     |                 | 5            | 5       |
| Thallium, dissolved              | mg/L   | Report | 0.0001   | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Total Alkalinity                 | mg/L   | Report | 29.1     | 43.3     | 34.9     |                 | 5            | 2       |
| Uranium, dissolved               | mg/L   | Report | 0.0001   | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Vanadium, dissolved              | mg/L   | 0.1    | 0.01     | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Water Temperature (field)        | deg. C |        | 1.9      | 6.4      | 3.8      |                 | 5            |         |
| Zinc, dissolved                  | mg/L   | 5      | 0.266    | 0.347    | 0.2914   |                 | 5            | 0.02    |

**Attachment B Summary of Groundwater Data for Past 5 Quarters GW-3R**

| Analyte                          | Units  | GW Std | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL     |
|----------------------------------|--------|--------|----------|----------|----------|-----------------|--------------|---------|
| Aluminum, dissolved              | mg/L   | 5      | 0.05     | 0.05     | 0.05     | 5               | 5            | 0.05    |
| Antimony, dissolved              | mg/L   | Report | 0.00085  | 0.00105  | 0.000966 |                 | 5            | 0.0004  |
| Arsenic, dissolved               | mg/L   | 0.1    | 0.00045  | 0.00054  | 0.0005   |                 | 5            | 0.0002  |
| Barium, dissolved                | mg/L   | Report | 0.0319   | 0.0417   | 0.038    |                 | 5            | 0.0078  |
| Beryllium, dissolved             | mg/L   | 0.1    | 0.00008  | 0.00008  | 0.00008  | 5               | 5            | 0.00008 |
| Bicarbonate as CaCO3             | mg/L   | Report | 27       | 37.9     | 32.9     | 5               | 5            | 2       |
| Boron, dissolved                 | mg/L   | 0.75   | 0.03     | 0.03     | 0.03     | 5               | 5            | 0.03    |
| Cadmium, dissolved               | mg/L   | 0.001  | 0.000232 | 0.000357 | 0.000301 | 5               | 5            | 0.00005 |
| Calcium, dissolved               | mg/L   | Report | 33       | 38.1     | 35.76    | 5               | 5            | 0.1     |
| Carbonate as CaCO3               | mg/L   | Report | 2        | 2        | 2        | 5               | 5            | 2       |
| Chloride                         | mg/L   | 250    | 0.54     | 1.39     | 0.8325   | 1               | 5            | 0.7     |
| Chromium, dissolved              | mg/L   | 0.1    | 0.00494  | 0.00494  | 0.00494  | 4               | 5            | 0.0005  |
| Conductivity (field)             | µS/cm  |        | 5.6      | 550      | 161.86   |                 | 5            |         |
| Conductivity @25C                | µS/cm  | Report | 208      | 252      | 226.8    |                 | 5            | 1       |
| Copper, dissolved                | mg/L   | 0.009  | 0.00123  | 0.00123  | 0.00123  | 4               | 5            | 0.0008  |
| Cyanide, total                   | mg/L   | 0.005  | 0.0238   | 0.0238   | 0.0238   | 4               | 5            | 0.003   |
| DO (field)                       | %      |        | 40.8     | 91.4     | 63.5     | 1               | 5            |         |
| Fluoride                         | mg/L   | 2      | 0.25     | 0.25     | 0.25     | 4               | 5            | 0.15    |
| Hardness as CaCO3 (dissolved)    | mg/L   | Report | 90       | 105      | 97.8     |                 | 5            | 0.2     |
| Hydroxide as CaCO3               | mg/L   | Report | 2        | 2        | 2        | 5               | 5            | 2       |
| Iron, dissolved                  | mg/L   | 1      | 0.06     | 0.06     | 0.06     | 5               | 5            | 0.06    |
| Lead, dissolved                  | mg/L   | 0.044  | 0.00015  | 0.00015  | 0.00015  | 4               | 5            | 0.0001  |
| Magnesium, dissolved             | mg/L   | Report | 1.8      | 2.43     | 2.068    |                 | 5            | 0.2     |
| Manganese, dissolved             | mg/L   | 1.672  | 0.01     | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Mercury, dissolved               | mg/L   | 0.01   | 0.0002   | 0.0002   | 0.0002   | 5               | 5            | 0.0002  |
| Molybdenum, dissolved            | mg/L   | Report | 0.00063  | 0.00083  | 0.000722 |                 | 5            | 0.0002  |
| Nickel, dissolved                | mg/L   | 0.05   | 0.008    | 0.008    | 0.008    | 5               | 5            | 0.008   |
| Nitrate/Nitrite as N             | mg/L   | 100    | 0.211    | 0.756    | 0.4826   |                 | 5            | 0.02    |
| ORP (field)                      | mV     |        | 73.5     | 407      | 196.58   |                 | 5            |         |
| pH                               | s.u.   | 6-9    | 6.5      | 7.7      | 7.16     |                 | 5            | 0.1     |
| pH (field)                       | s.u.   | 6-9    | 6.81     | 7.26     | 7.106    |                 | 5            |         |
| Phosphorus, total                | mg/L   | NA     | 0.011    | 0.011    | 0.011    | 4               | 5            | 0.01    |
| Potassium, dissolved             | mg/L   | Report | 0.45     | 0.77     | 0.622    |                 | 5            | 0.2     |
| Residue, Filterable (TDS) @180C  | mg/L   | 400    | 126      | 152      | 140.4    |                 | 5            | 20      |
| Residue, Non-Filterable (TSS) @1 | mg/L   | Report | 7        | 7        | 7        | 4               | 5            | 5       |
| Selenium, dissolved              | mg/L   | 0.005  | 0.00019  | 0.00034  | 0.000245 | 1               | 5            | 0.0001  |
| Silica, dissolved                | mg/L   | Report | 4.6      | 5.4      | 5        |                 | 5            | 0.2     |
| Silver, dissolved                | mg/L   | 0.0001 | 0.0001   | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Sodium, dissolved                | mg/L   | Report | 2.68     | 3.57     | 3.026    |                 | 5            | 0.2     |
| Sulfate                          | mg/L   | 250    | 61       | 83.9     | 71.18    |                 | 5            | 5       |
| Thallium, dissolved              | mg/L   | Report | 0.0001   | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Total Alkalinity                 | mg/L   | Report | 27       | 37.9     | 32.9     |                 | 5            | 2       |
| Uranium, dissolved               | mg/L   | Report | 0.0001   | 0.0001   | 0.0001   | 5               | 5            | 0.0001  |
| Vanadium, dissolved              | mg/L   | 0.1    | 0.01     | 0.01     | 0.01     | 5               | 5            | 0.01    |
| Water Temperature (field)        | deg. C |        | 2.7      | 4.8      | 3.94     |                 | 5            |         |
| Zinc, dissolved                  | mg/L   | 5      | 0.134    | 0.202    | 0.1768   |                 | 5            | 0.02    |

**Attachment B Summary of Groundwater Data for Past 5 Quarters GW-3B**

| Analyte                          | Units  | GW Std | Minimum  | Maximum | Average    | Nondetect Count | Sample Count | MDL     |
|----------------------------------|--------|--------|----------|---------|------------|-----------------|--------------|---------|
| Aluminum, dissolved              | mg/L   | 5      | 0.05     | 0.05    | 0.05       | 5               | 5            | 0.05    |
| Antimony, dissolved              | mg/L   | Report | 0.00064  | 0.00083 | 0.000735   | 1               | 5            | 0.0004  |
| Arsenic, dissolved               | mg/L   | 0.1    | 0.00026  | 0.00027 | 0.0002633  | 2               | 5            | 0.0002  |
| Barium, dissolved                | mg/L   | Report | 0.0465   | 0.056   | 0.0528     |                 | 5            | 0.0078  |
| Beryllium, dissolved             | mg/L   | 0.1    | 0.00008  | 0.00008 | 0.00008    | 5               | 5            | 0.00008 |
| Bicarbonate as CaCO3             | mg/L   | Report | 30.7     | 34.5    | 33.06      |                 | 5            | 2       |
| Boron, dissolved                 | mg/L   | 0.75   | 0.03     | 0.03    | 0.03       | 5               | 5            | 0.03    |
| Cadmium, dissolved               | mg/L   | 0.001  | 0.000053 | 0.00012 | 8.4667E-05 | 2               | 5            | 0.00005 |
| Calcium, dissolved               | mg/L   | Report | 31.7     | 35.3    | 34.26      |                 | 5            | 0.1     |
| Carbonate as CaCO3               | mg/L   | Report | 2        | 2       | 2          | 5               | 5            | 2       |
| Chloride                         | mg/L   | 250    | 0.74     | 1.25    | 0.995      | 3               | 5            | 0.7     |
| Chromium, dissolved              | mg/L   | 0.1    | 0.0005   | 0.0005  | 0.0005     | 5               | 5            | 0.0005  |
| Conductivity (field)             | µS/cm  |        | 0.3      | 337     | 139        | 1               | 5            |         |
| Conductivity @25C                | µS/cm  | Report | 201      | 229     | 215        |                 | 5            | 1       |
| Copper, dissolved                | mg/L   | 0.009  | 0.0008   | 0.0008  | 0.0008     | 5               | 5            | 0.0008  |
| Cyanide, total                   | mg/L   | 0.005  | 0.003    | 0.003   | 0.003      | 5               | 5            | 0.003   |
| DO (field)                       | %      |        | 31.9     | 102     | 61.525     | 1               | 5            |         |
| Fluoride                         | mg/L   | 2      | 0.16     | 0.2     | 0.176      |                 | 5            | 0.15    |
| Hardness as CaCO3 (dissolved)    | mg/L   | Report | 88       | 99      | 95.6       |                 | 5            | 0.2     |
| Hydroxide as CaCO3               | mg/L   | Report | 2        | 2       | 2          | 5               | 5            | 2       |
| Iron, dissolved                  | mg/L   | 1      | 0.06     | 0.06    | 0.06       | 5               | 5            | 0.06    |
| Lead, dissolved                  | mg/L   | 0.044  | 0.00015  | 0.00026 | 0.0001967  | 2               | 5            | 0.0001  |
| Magnesium, dissolved             | mg/L   | Report | 2.08     | 2.65    | 2.422      |                 | 5            | 0.2     |
| Manganese, dissolved             | mg/L   | 1.672  | 0.01     | 0.01    | 0.01       | 5               | 5            | 0.01    |
| Mercury, dissolved               | mg/L   | 0.01   | 0.0002   | 0.0002  | 0.0002     | 5               | 5            | 0.0002  |
| Molybdenum, dissolved            | mg/L   | Report | 0.00032  | 0.00081 | 0.000632   |                 | 5            | 0.0002  |
| Nickel, dissolved                | mg/L   | 0.05   | 0.008    | 0.008   | 0.008      | 5               | 5            | 0.008   |
| Nitrate/Nitrite as N             | mg/L   | 100    | 0.141    | 0.555   | 0.2996     |                 | 5            | 0.02    |
| ORP (field)                      | mV     |        | -288.7   | 427     | 110.68     |                 | 5            |         |
| pH                               | s.u.   | 6-9    | 6.5      | 7.7     | 7.18       |                 | 5            | 0.1     |
| pH (field)                       | s.u.   | 6-9    | 6.82     | 7.3     | 7.012      |                 | 5            |         |
| Phosphorus, total                | mg/L   | NA     | 0.01     | 0.01    | 0.01       | 5               | 5            | 0.01    |
| Potassium, dissolved             | mg/L   | Report | 0.59     | 0.83    | 0.708      |                 | 5            | 0.2     |
| Residue, Filterable (TDS) @180C  | mg/L   | 400    | 124      | 148     | 137.2      |                 | 5            | 20      |
| Residue, Non-Filterable (TSS) @1 | mg/L   | Report | 5        | 5       | 5          | 4               | 5            | 5       |
| Selenium, dissolved              | mg/L   | 0.005  | 0.0001   | 0.00038 | 0.000274   |                 | 5            | 0.0001  |
| Silica, dissolved                | mg/L   | Report | 5.1      | 7       | 5.74       |                 | 5            | 0.2     |
| Silver, dissolved                | mg/L   | 0.0001 | 0.0001   | 0.0001  | 0.0001     | 5               | 5            | 0.0001  |
| Sodium, dissolved                | mg/L   | Report | 2.24     | 2.69    | 2.528      |                 | 5            | 0.2     |
| Sulfate                          | mg/L   | 250    | 57.2     | 73.2    | 63.62      |                 | 5            | 5       |
| Thallium, dissolved              | mg/L   | Report | 0.0001   | 0.0001  | 0.0001     | 5               | 5            | 0.0001  |
| Total Alkalinity                 | mg/L   | Report | 30.7     | 34.5    | 33.06      |                 | 5            | 2       |
| Uranium, dissolved               | mg/L   | Report | 0.0001   | 0.0001  | 0.0001     | 5               | 5            | 0.0001  |
| Vanadium, dissolved              | mg/L   | 0.1    | 0.01     | 0.01    | 0.01       | 5               | 5            | 0.01    |
| Water Temperature (field)        | deg. C |        | 4        | 6.1     | 4.96       |                 | 5            |         |
| Zinc, dissolved                  | mg/L   | 5      | 0.088    | 0.123   | 0.10475    | 1               | 5            | 0.02    |

**Attachment B Summary of Surface Water Data for Past 5 Quarters SW-1**

| Analyte                                   | Units  | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL      |
|-------------------------------------------|--------|----------|----------|----------|-----------------|--------------|----------|
| Aluminum, dissolved                       | mg/L   | 0.0113   | 0.0216   | 0.015233 |                 | 3            | 0.005    |
| Aluminum, total recoverable               | mg/L   | 0.0374   | 0.0714   | 0.0544   | 1               | 3            | 0.02     |
| Arsenic, dissolved                        | mg/L   | 0.00034  | 0.00112  | 0.000803 |                 | 3            | 0.0002   |
| Arsenic, total recoverable                | mg/L   | 0.00114  | 0.00228  | 0.001723 |                 | 3            | 0.000467 |
| Bicarbonate as CaCO <sub>3</sub>          | mg/L   | 25.6     | 32.5     | 28.26667 |                 | 3            | 2        |
| Cadmium, dissolved                        | mg/L   | 0.000599 | 0.00134  | 0.001033 |                 | 3            | 0.00005  |
| Cadmium, total                            | mg/L   | 0.000596 | 0.00128  | 0.001019 |                 | 3            | 0.00005  |
| Calcium, dissolved                        | mg/L   | 20.2     | 38       | 26.5     |                 | 3            | 0.1      |
| Carbon, dissolved organic (DOC)           | mg/L   | 1        | 1        | 1        | 3               | 3            | 1        |
| Carbonate as CaCO <sub>3</sub>            | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Chloride                                  | mg/L   | 0.666667 | 0.666667 | 0.666667 | 3               | 3            | 0.666667 |
| Conductivity (field)                      | µS/cm  | 127      | 234.2    | 165.8667 |                 | 3            |          |
| Copper, dissolved                         | mg/L   | 0.00167  | 0.00167  | 0.00167  | 2               | 3            | 0.0008   |
| DO (field)                                | %      | 10.8     | 70.3     | 50.2     |                 | 3            |          |
| Flow (field)                              | cfs    | 0.023    | 4.6139   | 2.143633 |                 | 3            |          |
| Fluoride                                  | mg/L   | 0.15     | 0.15     | 0.15     | 3               | 3            | 0.15     |
| Hardness as CaCO <sub>3</sub> (dissolved) | mg/L   | 55       | 105      | 72.66667 |                 | 3            | 0.2      |
| Hydroxide as CaCO <sub>3</sub>            | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Iron, dissolved                           | mg/L   | 0.0141   | 0.0256   | 0.018767 |                 | 3            | 0.007    |
| Iron, total recoverable                   | mg/L   | 0.132    | 0.236    | 0.19     |                 | 3            | 0.016333 |
| Lead, dissolved                           | mg/L   | 0.00028  | 0.0003   | 0.00029  | 1               | 3            | 0.0001   |
| Lead, total                               | mg/L   | 0.00092  | 0.00323  | 0.001723 |                 | 3            | 0.0001   |
| Magnesium, dissolved                      | mg/L   | 1.04     | 2.39     | 1.49     |                 | 3            | 0.2      |
| Manganese, dissolved                      | mg/L   | 0.276    | 0.743    | 0.462333 |                 | 3            | 0.01     |
| Mercury, total                            | mg/L   | 0.4      | 1.55     | 0.975    | 1               | 3            | 0.3      |
| Nitrate/Nitrite as N                      | mg/L   | 0.148    | 0.339    | 0.257667 |                 | 3            | 0.02     |
| ORP (field)                               | mV     | 159.7    | 202.3    | 181.7333 |                 | 3            |          |
| pH (field)                                | s.u.   | 7.52     | 7.75     | 7.606667 |                 | 3            | 0.1      |
| Potassium, dissolved                      | mg/L   | 0.3      | 0.74     | 0.513333 |                 | 3            | 0.2      |
| Residue, Filterable (TDS) @180C           | mg/L   | 66       | 168      | 107.3333 |                 | 3            | 20       |
| Residue, Non-Filterable (TSS) @1          | mg/L   | 5        | 5        | 5        | 3               | 3            | 5        |
| Silver, dissolved                         | mg/L   | 0.0001   | 0.0001   | 0.0001   | 3               | 3            | 0.0001   |
| Sodium, dissolved                         | mg/L   | 1.51     | 2.95     | 2.076667 |                 | 3            | 0.2      |
| Sulfate                                   | mg/L   | 29.8     | 81.1     | 48.63333 |                 | 3            | 3.666667 |
| Total Alkalinity                          | mg/L   | 25.6     | 32.5     | 28.26667 |                 | 3            | 2        |
| Water Temperature (field)                 | deg. C | 3        | 5.6      | 4.4      |                 | 3            |          |
| Zinc, dissolved                           | mg/L   | 0.214    | 0.486    | 0.360333 |                 | 3            | 0.02     |

**Attachment B Summary of Surface Water Data for Past 5 Quarters SW-2**

| Analyte                          | Units  | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL      |
|----------------------------------|--------|----------|----------|----------|-----------------|--------------|----------|
| Aluminum, dissolved              | mg/L   | 0.0072   | 0.0156   | 0.0109   |                 | 3            | 0.005    |
| Aluminum, total recoverable      | mg/L   | 0.0913   | 0.118    | 0.101733 |                 | 3            | 0.005    |
| Arsenic, dissolved               | mg/L   | 0.00054  | 0.00084  | 0.0007   |                 | 3            | 0.0002   |
| Arsenic, total recoverable       | mg/L   | 0.00111  | 0.00264  | 0.001643 |                 | 3            | 0.0002   |
| Bicarbonate as CaCO3             | mg/L   | 23.3     | 33.7     | 27.16667 |                 | 3            | 2        |
| Cadmium, dissolved               | mg/L   | 0.000161 | 0.000619 | 0.00035  |                 | 3            | 0.00005  |
| Cadmium, total                   | mg/L   | 0.000139 | 0.000636 | 0.000348 |                 | 3            | 0.00005  |
| Calcium, dissolved               | mg/L   | 16.4     | 25.3     | 20       |                 | 3            | 0.1      |
| Carbon, dissolved organic (DOC)  | mg/L   | 1.1      | 1.3      | 1.2      | 1               | 3            | 1        |
| Carbonate as CaCO3               | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Chloride                         | mg/L   | 0.65     | 0.65     | 0.65     | 2               | 3            | 0.666667 |
| Conductivity (field)             | µS/cm  | 110      | 160.4    | 132.3333 |                 | 3            |          |
| Copper, dissolved                | mg/L   | 0.00091  | 0.00108  | 0.000995 | 1               | 3            | 0.0008   |
| DO (field)                       | %      | 68.5     | 69.8     | 68.93333 |                 | 3            |          |
| Flow (field)                     | cfs    | 0.2922   | 20.54    | 9.651833 |                 | 3            |          |
| Fluoride                         | mg/L   | 0.28     | 0.28     | 0.28     | 2               | 3            | 0.15     |
| Hardness as CaCO3 (dissolved)    | mg/L   | 48       | 74       | 58.33333 |                 | 3            | 0.2      |
| Hydroxide as CaCO3               | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Iron, dissolved                  | mg/L   | 0.007    | 0.007    | 0.007    | 3               | 3            | 0.007    |
| Iron, total recoverable          | mg/L   | 0.0776   | 0.173    | 0.109533 |                 | 3            | 0.007    |
| Lead, dissolved                  | mg/L   | 0.00011  | 0.00049  | 0.000247 |                 | 3            | 0.0001   |
| Lead, total                      | mg/L   | 0.00098  | 0.00475  | 0.002877 |                 | 3            | 0.0001   |
| Magnesium, dissolved             | mg/L   | 1.6      | 2.51     | 1.94     |                 | 3            | 0.2      |
| Manganese, dissolved             | mg/L   | 0.031    | 0.318    | 0.135    |                 | 3            | 0.01     |
| Mercury, total                   | mg/L   | 0.45     | 0.81     | 0.646667 |                 | 3            | 0.3      |
| Nitrate/Nitrite as N             | mg/L   | 0.079    | 0.127    | 0.104667 |                 | 3            | 0.02     |
| ORP (field)                      | mV     | 89.4     | 224      | 156.3333 |                 | 3            |          |
| pH (field)                       | s.u.   | 7.35     | 7.72     | 7.583333 |                 | 3            | 0.1      |
| Potassium, dissolved             | mg/L   | 0.31     | 0.74     | 0.513333 |                 | 3            | 0.2      |
| Residue, Filterable (TDS) @180C  | mg/L   | 62       | 112      | 82       |                 | 3            | 20       |
| Residue, Non-Filterable (TSS) @1 | mg/L   | 5        | 5        | 5        | 3               | 3            | 5        |
| Silver, dissolved                | mg/L   | 0.0001   | 0.0001   | 0.0001   | 3               | 3            | 0.0001   |
| Sodium, dissolved                | mg/L   | 1.1      | 1.77     | 1.35     |                 | 3            | 0.2      |
| Sulfate                          | mg/L   | 28.5     | 40       | 33.93333 |                 | 3            | 2.333333 |
| Total Alkalinity                 | mg/L   | 23.3     | 33.7     | 27.16667 |                 | 3            | 2        |
| Water Temperature (field)        | deg. C | 4.4      | 7.3      | 6.233333 |                 | 3            |          |
| Zinc, dissolved                  | mg/L   | 0.057    | 0.135    | 0.084    |                 | 3            | 0.02     |

**Attachment B Summary of Surface Water Data for Past 5 Quarters SW-3**

| Analyte                                   | Units  | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL      |
|-------------------------------------------|--------|----------|----------|----------|-----------------|--------------|----------|
| Aluminum, dissolved                       | mg/L   | 0.005    | 0.005    | 0.005    | 3               | 3            | 0.005    |
| Aluminum, total recoverable               | mg/L   | 0.0063   | 0.0118   | 0.00905  | 1               | 3            | 0.005    |
| Arsenic, dissolved                        | mg/L   | 0.0007   | 0.00074  | 0.000713 |                 | 3            | 0.0002   |
| Arsenic, total recoverable                | mg/L   | 0.00071  | 0.00075  | 0.000737 |                 | 3            | 0.0002   |
| Bicarbonate as CaCO <sub>3</sub>          | mg/L   | 33.5     | 55.5     | 42.06667 |                 | 3            | 2        |
| Cadmium, dissolved                        | mg/L   | 0.000269 | 0.000438 | 0.000329 |                 | 3            | 0.00005  |
| Cadmium, total                            | mg/L   | 0.000268 | 0.000404 | 0.00032  |                 | 3            | 0.00005  |
| Calcium, dissolved                        | mg/L   | 38.8     | 55.8     | 46.86667 |                 | 3            | 0.1      |
| Carbon, dissolved organic (DOC)           | mg/L   | 1.1      | 1.3      | 1.166667 |                 | 3            | 1        |
| Carbonate as CaCO <sub>3</sub>            | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Chloride                                  | mg/L   | 2.44     | 3.25     | 2.86     |                 | 3            | 0.666667 |
| Conductivity (field)                      | µS/cm  | 259.4    | 338.2    | 296      |                 | 3            |          |
| Copper, dissolved                         | mg/L   |          |          |          | 3               | 3            | 0.0008   |
| DO (field)                                | %      | 60.8     | 73.8     | 67.13333 |                 | 3            |          |
| Flow (field)                              | cfs    | 0.0066   | 1.115    | 0.4316   |                 | 3            |          |
| Fluoride                                  | mg/L   | 0.2      | 0.23     | 0.215    | 1               | 3            | 0.15     |
| Hardness as CaCO <sub>3</sub> (dissolved) | mg/L   | 106      | 155      | 129.3333 |                 | 3            | 0.2      |
| Hydroxide as CaCO <sub>3</sub>            | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Iron, dissolved                           | mg/L   | 0.007    | 0.007    | 0.007    | 3               | 3            | 0.007    |
| Iron, total recoverable                   | mg/L   | 0.0137   | 0.0137   | 0.0137   | 2               | 3            | 0.007    |
| Lead, dissolved                           | mg/L   | 0.00012  | 0.00013  | 0.000125 | 1               | 3            | 0.0001   |
| Lead, total                               | mg/L   | 0.0004   | 0.00203  | 0.001167 |                 | 3            | 0.0001   |
| Magnesium, dissolved                      | mg/L   | 2.25     | 3.79     | 2.993333 |                 | 3            | 0.2      |
| Manganese, dissolved                      | mg/L   | 0.01     | 0.01     | 0.01     | 3               | 3            | 0.01     |
| Mercury, total                            | mg/L   | 0.35     | 0.85     | 0.6      | 1               | 3            | 0.3      |
| Nitrate/Nitrite as N                      | mg/L   | 0.877    | 1.77     | 1.395667 |                 | 3            | 0.02     |
| ORP (field)                               | mV     | 155.3    | 203.5    | 183.6333 |                 | 3            |          |
| pH (field)                                | s.u.   | 6.96     | 7.35     | 7.17     |                 | 3            | 0.1      |
| Potassium, dissolved                      | mg/L   | 0.64     | 0.92     | 0.763333 |                 | 3            | 0.2      |
| Residue, Filterable (TDS) @180C           | mg/L   | 138      | 238      | 190      |                 | 3            | 20       |
| Residue, Non-Filterable (TSS) @1          | mg/L   | 5        | 5        | 5        | 3               | 3            | 5        |
| Silver, dissolved                         | mg/L   | 0.0001   | 0.0001   | 0.0001   | 3               | 3            | 0.0001   |
| Sodium, dissolved                         | mg/L   | 3.75     | 4.55     | 4.236667 |                 | 3            | 0.2      |
| Sulfate                                   | mg/L   | 69.7     | 120      | 93.6     |                 | 3            | 5        |
| Total Alkalinity                          | mg/L   | 33.5     | 55.5     | 42.06667 |                 | 3            | 2        |
| Water Temperature (field)                 | deg. C | 3.2      | 5.7      | 4.2      |                 | 3            |          |
| Zinc, dissolved                           | mg/L   | 0.188    | 0.316    | 0.233667 |                 | 3            | 0.02     |

**Attachment B Summary of Surface Water Data for Past 5 Quarters SW-4**

| Analyte                          | Units  | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL      |
|----------------------------------|--------|----------|----------|----------|-----------------|--------------|----------|
| Aluminum, dissolved              | mg/L   | 0.0086   | 0.0128   | 0.0109   |                 | 3            | 0.005    |
| Aluminum, total recoverable      | mg/L   | 0.046    | 0.0985   | 0.075533 |                 | 3            | 0.005    |
| Arsenic, dissolved               | mg/L   | 0.00075  | 0.00083  | 0.000783 |                 | 3            | 0.0002   |
| Arsenic, total recoverable       | mg/L   | 0.00101  | 0.00225  | 0.00148  |                 | 3            | 0.0002   |
| Bicarbonate as CaCO3             | mg/L   | 25.9     | 38       | 31.06667 |                 | 3            | 2        |
| Cadmium, dissolved               | mg/L   | 0.000305 | 0.000661 | 0.000474 |                 | 3            | 0.00005  |
| Cadmium, total                   | mg/L   | 0.000297 | 0.000643 | 0.000474 |                 | 3            | 0.00005  |
| Calcium, dissolved               | mg/L   | 21.5     | 30.6     | 24.73333 |                 | 3            | 0.1      |
| Carbon, dissolved organic (DOC)  | mg/L   | 1.3      | 1.4      | 1.333333 |                 | 3            | 1        |
| Carbonate as CaCO3               | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Chloride                         | mg/L   | 0.73     | 1.14     | 0.935    | 1               | 3            | 0.666667 |
| Conductivity (field)             | µS/cm  | 140.9    | 193.1    | 159.8    |                 | 3            |          |
| Copper, dissolved                | mg/L   | 0.00108  | 0.00146  | 0.00127  | 1               | 3            | 0.0008   |
| DO (field)                       | %      | 69.1     | 70.3     | 69.8     |                 | 3            |          |
| Flow (field)                     | cfs    | 3.5      | 27.682   | 13.909   |                 | 3            |          |
| Fluoride                         | mg/L   | 0.16     | 0.28     | 0.22     | 1               | 3            | 0.15     |
| Hardness as CaCO3 (dissolved)    | mg/L   | 61       | 87       | 70.33333 |                 | 3            | 0.2      |
| Hydroxide as CaCO3               | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Iron, dissolved                  | mg/L   | 0.014    | 0.014    | 0.014    | 2               | 3            | 0.007    |
| Iron, total recoverable          | mg/L   | 0.0477   | 0.138    | 0.081933 |                 | 3            | 0.007    |
| Lead, dissolved                  | mg/L   | 0.00016  | 0.0004   | 0.000303 |                 | 3            | 0.0001   |
| Lead, total                      | mg/L   | 0.00078  | 0.00373  | 0.002233 |                 | 3            | 0.0001   |
| Magnesium, dissolved             | mg/L   | 1.75     | 2.53     | 2.023333 |                 | 3            | 0.2      |
| Manganese, dissolved             | mg/L   | 0.077    | 0.305    | 0.159667 |                 | 3            | 0.01     |
| Mercury, total                   | mg/L   | 0.35     | 0.68     | 0.46     |                 | 3            | 0.3      |
| Nitrate/Nitrite as N             | mg/L   | 0.169    | 0.279    | 0.222333 |                 | 3            | 0.02     |
| ORP (field)                      | mV     | 134      | 219.1    | 184      |                 | 3            |          |
| pH (field)                       | s.u.   | 7.42     | 7.58     | 7.48     |                 | 3            | 0.1      |
| Potassium, dissolved             | mg/L   | 0.37     | 0.56     | 0.473333 |                 | 3            | 0.2      |
| Residue, Filterable (TDS) @180C  | mg/L   | 74       | 118      | 93.33333 |                 | 3            | 20       |
| Residue, Non-Filterable (TSS) @1 | mg/L   | 5        | 5        | 5        | 3               | 3            | 5        |
| Silver, dissolved                | mg/L   | 0.0001   | 0.0001   | 0.0001   | 3               | 3            | 0.0001   |
| Sodium, dissolved                | mg/L   | 1.66     | 2.2      | 1.846667 |                 | 3            | 0.2      |
| Sulfate                          | mg/L   | 37.8     | 51.7     | 42.5     |                 | 3            | 2.666667 |
| Total Alkalinity                 | mg/L   | 25.9     | 38       | 31.06667 |                 | 3            | 2        |
| Water Temperature (field)        | deg. C | 2.6      | 4.7      | 3.433333 |                 | 3            |          |
| Zinc, dissolved                  | mg/L   | 0.135    | 0.18     | 0.156667 |                 | 3            | 0.02     |



**Attachment B Summary of Surface Water Data for Past 5 Quarters SW-15**

| Analyte                          | Units  | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL      |
|----------------------------------|--------|----------|----------|----------|-----------------|--------------|----------|
| Aluminum, dissolved              | mg/L   | 0.0075   | 0.0164   | 0.012167 |                 | 3            | 0.005    |
| Aluminum, total recoverable      | mg/L   | 0.0572   | 0.218    | 0.129733 |                 | 3            | 0.005    |
| Arsenic, dissolved               | mg/L   | 0.0006   | 0.00104  | 0.000817 |                 | 3            | 0.0002   |
| Arsenic, total recoverable       | mg/L   | 0.00109  | 0.00272  | 0.001977 |                 | 3            | 0.0002   |
| Bicarbonate as CaCO3             | mg/L   | 22.8     | 39.9     | 30.36667 |                 | 3            | 2        |
| Cadmium, dissolved               | mg/L   | 0.000189 | 0.000753 | 0.00042  |                 | 3            | 0.00005  |
| Cadmium, total                   | mg/L   | 0.000169 | 0.000754 | 0.000416 |                 | 3            | 0.00005  |
| Calcium, dissolved               | mg/L   | 17.2     | 25.3     | 20.26667 |                 | 3            | 0.1      |
| Carbon, dissolved organic (DOC)  | mg/L   | 1.3      | 1.3      | 1.3      | 2               | 3            | 1        |
| Carbonate as CaCO3               | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Chloride                         | mg/L   | 0.91     | 0.91     | 0.91     | 2               | 3            | 0.666667 |
| Conductivity (field)             | µS/cm  | 113.6    | 162.8    | 134.5    |                 | 3            |          |
| Copper, dissolved                | mg/L   | 0.00115  | 0.00168  | 0.001415 | 1               | 3            | 0.0008   |
| DO (field)                       | %      | 69.7     | 70       | 69.83333 |                 | 3            |          |
| Flow (field)                     | cfs    | 0.2144   | 19.7045  | 9.4863   |                 | 3            |          |
| Fluoride                         | mg/L   | 0.16     | 0.16     | 0.16     | 2               | 3            | 0.15     |
| Hardness as CaCO3 (dissolved)    | mg/L   | 50       | 73       | 58.66667 |                 | 3            | 0.2      |
| Hydroxide as CaCO3               | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Iron, dissolved                  | mg/L   | 0.0073   | 0.0073   | 0.0073   | 2               | 3            | 0.007    |
| Iron, total recoverable          | mg/L   | 0.0447   | 0.187    | 0.1379   |                 | 3            | 0.007    |
| Lead, dissolved                  | mg/L   | 0.00011  | 0.00052  | 0.00026  |                 | 3            | 0.0001   |
| Lead, total                      | mg/L   | 0.00069  | 0.00733  | 0.004347 |                 | 3            | 0.0001   |
| Magnesium, dissolved             | mg/L   | 1.62     | 2.43     | 1.933333 |                 | 3            | 0.2      |
| Manganese, dissolved             | mg/L   | 0.029    | 0.379    | 0.156667 |                 | 3            | 0.01     |
| Mercury, total                   | mg/L   | 0.32     | 0.81     | 0.586667 |                 | 3            | 0.3      |
| Nitrate/Nitrite as N             | mg/L   | 0.087    | 0.101    | 0.094333 |                 | 3            | 0.02     |
| ORP (field)                      | mV     | 155.3    | 159      | 157.5    |                 | 3            |          |
| pH (field)                       | s.u.   | 7.36     | 7.61     | 7.503333 |                 | 3            | 0.1      |
| Potassium, dissolved             | mg/L   | 0.35     | 0.54     | 0.473333 |                 | 3            | 0.2      |
| Residue, Filterable (TDS) @180C  | mg/L   | 60       | 102      | 79.33333 |                 | 3            | 20       |
| Residue, Non-Filterable (TSS) @1 | mg/L   | 5        | 5        | 5        | 3               | 3            | 5        |
| Silver, dissolved                | mg/L   | 0.0001   | 0.0001   | 0.0001   | 3               | 3            | 0.0001   |
| Sodium, dissolved                | mg/L   | 1.22     | 1.62     | 1.356667 |                 | 3            | 0.2      |
| Sulfate                          | mg/L   | 29.1     | 41.5     | 34.76667 |                 | 3            | 2.333333 |
| Total Alkalinity                 | mg/L   | 22.8     | 39.9     | 30.36667 |                 | 3            | 2        |
| Water Temperature (field)        | deg. C | 3.5      | 6.5      | 5.4      |                 | 3            |          |
| Zinc, dissolved                  | mg/L   | 0.067    | 0.162    | 0.100333 |                 | 3            | 0.02     |

**Attachment B Summary of Surface Water Data for Past 5 Quarters SW-16**

| Analyte                                   | Units  | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL      |
|-------------------------------------------|--------|----------|----------|----------|-----------------|--------------|----------|
| Aluminum, dissolved                       | mg/L   | 0.0071   | 0.0146   | 0.0109   |                 | 3            | 0.005    |
| Aluminum, total recoverable               | mg/L   | 0.0489   | 0.0996   | 0.075433 |                 | 3            | 0.005    |
| Arsenic, dissolved                        | mg/L   | 0.00049  | 0.00091  | 0.000723 |                 | 3            | 0.0002   |
| Arsenic, total recoverable                | mg/L   | 0.00109  | 0.00277  | 0.001657 |                 | 3            | 0.0002   |
| Bicarbonate as CaCO <sub>3</sub>          | mg/L   | 22.9     | 38.9     | 29.53333 |                 | 3            | 2        |
| Cadmium, dissolved                        | mg/L   | 0.000202 | 0.000745 | 0.000423 |                 | 3            | 0.00005  |
| Cadmium, total                            | mg/L   | 0.00018  | 0.000747 | 0.000416 |                 | 3            | 0.00005  |
| Calcium, dissolved                        | mg/L   | 18.4     | 25.9     | 21.06667 |                 | 3            | 0.1      |
| Carbon, dissolved organic (DOC)           | mg/L   | 1.4      | 1.9      | 1.7      |                 | 3            | 1        |
| Carbonate as CaCO <sub>3</sub>            | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Chloride                                  | mg/L   | 0.59     | 0.69     | 0.64     | 1               | 3            | 0.666667 |
| Conductivity (field)                      | µS/cm  | 120.6    | 164.8    | 138.4333 |                 | 3            |          |
| Copper, dissolved                         | mg/L   | 0.00107  | 0.00153  | 0.0013   | 1               | 3            | 0.0008   |
| DO (field)                                | %      | 68.7     | 70       | 69.23333 |                 | 3            |          |
| Flow (field)                              | cfs    | 0.325    | 24.6664  | 12.39113 |                 | 3            |          |
| Fluoride                                  | mg/L   | 0.25     | 0.25     | 0.25     | 2               | 3            | 0.15     |
| Hardness as CaCO <sub>3</sub> (dissolved) | mg/L   | 53       | 75       | 60.66667 |                 | 3            | 0.2      |
| Hydroxide as CaCO <sub>3</sub>            | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Iron, dissolved                           | mg/L   | 0.007    | 0.007    | 0.007    | 3               | 3            | 0.007    |
| Iron, total recoverable                   | mg/L   | 0.0309   | 0.173    | 0.089033 |                 | 3            | 0.007    |
| Lead, dissolved                           | mg/L   | 0.00017  | 0.00046  | 0.000315 | 1               | 3            | 0.0001   |
| Lead, total                               | mg/L   | 0.00086  | 0.0048   | 0.002577 |                 | 3            | 0.0001   |
| Magnesium, dissolved                      | mg/L   | 1.71     | 2.46     | 1.973333 |                 | 3            | 0.2      |
| Manganese, dissolved                      | mg/L   | 0.027    | 0.357    | 0.148    |                 | 3            | 0.01     |
| Mercury, total                            | mg/L   | 0.53     | 0.68     | 0.605    | 1               | 3            | 0.3      |
| Nitrate/Nitrite as N                      | mg/L   | 0.056    | 0.166    | 0.112667 |                 | 3            | 0.02     |
| ORP (field)                               | mV     | 143.8    | 197.3    | 167.0333 |                 | 3            |          |
| pH (field)                                | s.u.   | 7.32     | 7.48     | 7.39     |                 | 3            | 0.1      |
| Potassium, dissolved                      | mg/L   | 0.36     | 0.53     | 0.47     |                 | 3            | 0.2      |
| Residue, Filterable (TDS) @180C           | mg/L   | 56       | 104      | 81.33333 |                 | 3            | 20       |
| Residue, Non-Filterable (TSS) @1          | mg/L   | 5        | 5        | 5        | 3               | 3            | 5        |
| Silver, dissolved                         | mg/L   | 0.0001   | 0.0001   | 0.0001   | 3               | 3            | 0.0001   |
| Sodium, dissolved                         | mg/L   | 1.26     | 1.67     | 1.4      |                 | 3            | 0.2      |
| Sulfate                                   | mg/L   | 32.1     | 41.5     | 36       |                 | 3            | 2.333333 |
| Total Alkalinity                          | mg/L   | 22.9     | 38.9     | 29.53333 |                 | 3            | 2        |
| Water Temperature (field)                 | deg. C | 3.3      | 5.6      | 4.7      |                 | 3            |          |
| Zinc, dissolved                           | mg/L   | 0.074    | 0.17     | 0.108333 |                 | 3            | 0.02     |

**Attachment B Summary of Surface Water Data for Past 5 Quarters SW-17**

| Analyte                          | Units  | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL      |
|----------------------------------|--------|----------|----------|----------|-----------------|--------------|----------|
| Aluminum, dissolved              | mg/L   | 0.005    | 0.0137   | 0.0106   |                 | 3            | 0.005    |
| Aluminum, total recoverable      | mg/L   | 0.0981   | 0.144    | 0.124367 |                 | 3            | 0.005    |
| Arsenic, dissolved               | mg/L   | 0.0004   | 0.00073  | 0.000543 |                 | 3            | 0.0002   |
| Arsenic, total recoverable       | mg/L   | 0.00062  | 0.00104  | 0.000863 |                 | 3            | 0.0002   |
| Bicarbonate as CaCO3             | mg/L   | 22.2     | 33.4     | 27.63333 |                 | 3            | 2        |
| Cadmium, dissolved               | mg/L   | 0.000051 | 0.000058 | 5.45E-05 | 1               | 3            | 0.00005  |
| Cadmium, total                   | mg/L   | 0.000053 | 0.000053 | 0.000053 | 2               | 3            | 0.00005  |
| Calcium, dissolved               | mg/L   | 15.3     | 24       | 18.7     |                 | 3            | 0.1      |
| Carbon, dissolved organic (DOC)  | mg/L   | 1.4      | 1.6      | 1.5      | 1               | 3            | 1        |
| Carbonate as CaCO3               | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Chloride                         | mg/L   | 0.58     | 0.58     | 0.58     | 2               | 3            | 0.666667 |
| Conductivity (field)             | µS/cm  | 100      | 151      | 121.8333 |                 | 3            |          |
| Copper, dissolved                | mg/L   | 0.0008   | 0.0008   | 0.0008   | 3               | 3            | 0.0008   |
| DO (field)                       | %      | 69.4     | 70.8     | 69.96667 |                 | 3            |          |
| Flow (field)                     | cfs    | 0.1392   | 16.8465  | 7.363567 |                 | 3            |          |
| Fluoride                         | mg/L   | 0.2      | 0.2      | 0.2      | 2               | 3            | 0.15     |
| Hardness as CaCO3 (dissolved)    | mg/L   | 44       | 69       | 54       |                 | 3            | 0.2      |
| Hydroxide as CaCO3               | mg/L   | 2        | 2        | 2        | 3               | 3            | 2        |
| Iron, dissolved                  | mg/L   | 0.0094   | 0.0094   | 0.0094   | 2               | 3            | 0.007    |
| Iron, total recoverable          | mg/L   | 0.103    | 0.11     | 0.106667 |                 | 3            | 0.007    |
| Lead, dissolved                  | mg/L   | 0.00015  | 0.00015  | 0.00015  | 2               | 3            | 0.0001   |
| Lead, total                      | mg/L   | 0.00074  | 0.00121  | 0.000903 |                 | 3            | 0.0001   |
| Magnesium, dissolved             | mg/L   | 1.49     | 2.25     | 1.796667 |                 | 3            | 0.2      |
| Manganese, dissolved             | mg/L   | 0.01     | 0.01     | 0.01     | 3               | 3            | 0.01     |
| Mercury, total                   | mg/L   | 0.45     | 0.91     | 0.606667 |                 | 3            | 0.3      |
| Nitrate/Nitrite as N             | mg/L   | 0.078    | 0.156    | 0.119    |                 | 3            | 0.02     |
| ORP (field)                      | mV     | 116.2    | 184.7    | 151.7333 |                 | 3            |          |
| pH (field)                       | s.u.   | 7.45     | 7.62     | 7.563333 |                 | 3            | 0.1      |
| Potassium, dissolved             | mg/L   | 0.28     | 0.49     | 0.413333 |                 | 3            | 0.2      |
| Residue, Filterable (TDS) @180C  | mg/L   | 52       | 104      | 74       |                 | 3            | 20       |
| Residue, Non-Filterable (TSS) @1 | mg/L   | 7        | 7        | 7        | 2               | 3            | 5        |
| Silver, dissolved                | mg/L   | 0.0001   | 0.0001   | 0.0001   | 3               | 3            | 0.0001   |
| Sodium, dissolved                | mg/L   | 0.79     | 1.4      | 1.01     |                 | 3            | 0.2      |
| Sulfate                          | mg/L   | 25.9     | 39.7     | 31.63333 |                 | 3            | 2.333333 |
| Total Alkalinity                 | mg/L   | 22.2     | 33.4     | 27.63333 |                 | 3            | 2        |
| Water Temperature (field)        | deg. C | 5        | 8        | 6.833333 |                 | 3            |          |
| Zinc, dissolved                  | mg/L   | 0.024    | 0.024    | 0.024    | 2               | 3            | 0.02     |

**Attachment B Summary of Surface Water Data for Past 5 Quarters SW-21**

| Analyte                                   | Units  | Minimum  | Maximum  | Average  | Nondetect Count | Sample Count | MDL     |
|-------------------------------------------|--------|----------|----------|----------|-----------------|--------------|---------|
| Aluminum, dissolved                       | mg/L   | 0.0185   | 0.0185   | 0.0185   |                 | 1            | 0.005   |
| Aluminum, total recoverable               | mg/L   | 0.211    | 0.211    | 0.211    |                 | 1            | 0.005   |
| Arsenic, dissolved                        | mg/L   | 0.00085  | 0.00085  | 0.00085  |                 | 1            | 0.0002  |
| Arsenic, total recoverable                | mg/L   | 0.00142  | 0.00142  | 0.00142  |                 | 1            | 0.0002  |
| Bicarbonate as CaCO <sub>3</sub>          | mg/L   | 29.8     | 29.8     | 29.8     |                 | 1            | 2       |
| Cadmium, dissolved                        | mg/L   | 0.000349 | 0.000349 | 0.000349 |                 | 1            | 0.00005 |
| Cadmium, total                            | mg/L   | 0.000392 | 0.000392 | 0.000392 |                 | 1            | 0.00005 |
| Calcium, dissolved                        | mg/L   | 21       | 21       | 21       |                 | 1            | 0.1     |
| Carbon, dissolved organic (DOC)           | mg/L   | 1.7      | 1.7      | 1.7      |                 | 1            | 1       |
| Carbonate as CaCO <sub>3</sub>            | mg/L   | 2        | 2        | 2        | 1               | 1            | 2       |
| Chloride                                  | mg/L   | 0.6      | 0.6      | 0.6      |                 | 1            | 0.5     |
| Conductivity (field)                      | µS/cm  | 133.4    | 133.4    | 133.4    |                 | 1            |         |
| Copper, dissolved                         | mg/L   | 0.0008   | 0.0008   | 0.0008   |                 | 1            | 0.0008  |
| DO (field)                                | %      | 75       | 75       | 75       |                 | 1            |         |
| Flow (field)                              | cfs    | 33.9116  | 33.9116  | 33.9116  |                 | 1            |         |
| Fluoride                                  | mg/L   | 0.39     | 0.39     | 0.39     |                 | 1            | 0.15    |
| Hardness as CaCO <sub>3</sub> (dissolved) | mg/L   | 59       | 59       | 59       |                 | 1            | 0.2     |
| Hydroxide as CaCO <sub>3</sub>            | mg/L   | 2        | 2        | 2        | 1               | 1            | 2       |
| Iron, dissolved                           | mg/L   | 0.0095   | 0.0095   | 0.0095   |                 | 1            | 0.007   |
| Iron, total recoverable                   | mg/L   | 0.151    | 0.151    | 0.151    |                 | 1            | 0.007   |
| Lead, dissolved                           | mg/L   | 0.00035  | 0.00035  | 0.00035  |                 | 1            | 0.0001  |
| Lead, total                               | mg/L   | 0.00411  | 0.00411  | 0.00411  |                 | 1            | 0.0001  |
| Magnesium, dissolved                      | mg/L   | 1.63     | 1.63     | 1.63     |                 | 1            | 0.2     |
| Manganese, dissolved                      | mg/L   | 0.059    | 0.059    | 0.059    |                 | 1            | 0.01    |
| Mercury, total                            | mg/L   | 1.23     | 1.23     | 1.23     |                 | 1            | 0.3     |
| Nitrate/Nitrite as N                      | mg/L   | 0.263    | 0.263    | 0.263    |                 | 1            | 0.02    |
| ORP (field)                               | mV     | 205.5    | 205.5    | 205.5    |                 | 1            |         |
| pH (field)                                | s.u.   | 7.66     | 7.66     | 7.66     |                 | 1            | 0.1     |
| Potassium, dissolved                      | mg/L   | 0.36     | 0.36     | 0.36     |                 | 1            | 0.2     |
| Residue, Filterable (TDS) @180C           | mg/L   | 92       | 92       | 92       |                 | 1            | 20      |
| Residue, Non-Filterable (TSS) @1          | mg/L   | 5        | 5        | 5        | 1               | 1            | 5       |
| Silver, dissolved                         | mg/L   | 0.0001   | 0.0001   | 0.0001   | 1               | 1            | 0.0001  |
| Sodium, dissolved                         | mg/L   | 1.55     | 1.55     | 1.55     |                 | 1            | 0.2     |
| Sulfate                                   | mg/L   | 34.4     | 34.4     | 34.4     |                 | 1            | 1       |
| Total Alkalinity                          | mg/L   | 29.8     | 29.8     | 29.8     |                 | 1            | 2       |
| Water Temperature (field)                 | deg. C | 2.2      | 2.2      | 2.2      |                 | 1            |         |
| Zinc, dissolved                           | mg/L   | 0.111    | 0.111    | 0.111    |                 | 1            | 0.02    |