

# Figure 3

Groundwater sampling analytical results for Windy Gulch – September 04, 2018

Sample Locations:

- 1) HW-2
- 2) DP-3 \* Not enough water to sample
- 3) DP-4 \* Not enough water to sample
- 4) DP-5 \* Not enough water to sample

Refer to Map G-3, Appendix 4 for sample locations.

\* Due to an extremely low snow pack and drought conditions in 2018, RGS was not able to sample Drive Points DP-3, DP-4 and DP-5 because they were dry.

Analytical results for HW-2 are included.

September 21, 2018

## Report to:

Randy McClure  
Rio Grande Silver, Inc.  
112 E. 12th St.  
Creede, CO 81130

## Bill to:

Randy McClure  
Rio Grande Silver, Inc.  
112 E. 12th St.  
Creede, CO 81130

cc: Janet Shangraw

Project ID: BO40519

ACZ Project ID: L46696

Randy McClure:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on September 05, 2018. This project has been assigned to ACZ's project number, L46696. 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 L46696. 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 21, 2018. 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.



**Rio Grande Silver, Inc.**

Project ID: BO40519

Sample ID: HW-2

ACZ Sample ID: **L46696-01**

Date Sampled: 09/04/18 10:15

Date Received: 09/05/18

Sample Matrix: Groundwater

## Inorganic Prep

| Parameter                   | EPA Method              | Dilution | Result | Qual | XQ | Units | MDL | PQL | Date           | Analyst |
|-----------------------------|-------------------------|----------|--------|------|----|-------|-----|-----|----------------|---------|
| Nitrogen, total Kjeldahl    | M351.2 - Block Digestor |          |        |      |    |       |     |     | 09/07/18 14:51 | ttg     |
| Total Recoverable Digestion | M200.2 ICP-MS           |          |        |      |    |       |     |     | 09/14/18 11:56 | rap     |
| Total Recoverable Digestion | M200.2 ICP              |          |        |      |    |       |     |     | 09/13/18 14:24 | dcm     |

## Metals Analysis

| Parameter                    | EPA Method    | Dilution | Result  | Qual | XQ | Units | MDL     | PQL    | Date           | Analyst |
|------------------------------|---------------|----------|---------|------|----|-------|---------|--------|----------------|---------|
| Aluminum, dissolved          | M200.7 ICP    | 1        | 0.08    | B    |    | mg/L  | 0.03    | 0.2    | 09/13/18 13:26 | aeh     |
| Aluminum, total recoverable  | M200.7 ICP    | 1        | 1.47    |      |    | mg/L  | 0.03    | 0.2    | 09/18/18 0:54  | dcm     |
| Arsenic, dissolved           | M200.8 ICP-MS | 1        | 0.0076  |      |    | mg/L  | 0.0002  | 0.001  | 09/15/18 11:19 | bsu     |
| Arsenic, total recoverable   | M200.8 ICP-MS | 1        | 0.009   |      |    | mg/L  | 0.0002  | 0.001  | 09/17/18 18:50 | mfm     |
| Cadmium, dissolved           | M200.8 ICP-MS | 1        | 0.003   |      |    | mg/L  | 0.0001  | 0.0005 | 09/15/18 11:19 | bsu     |
| Cadmium, total recoverable   | M200.8 ICP-MS | 1        | 0.003   |      |    | mg/L  | 0.0001  | 0.0005 | 09/17/18 18:50 | mfm     |
| Calcium, dissolved           | M200.7 ICP    | 1        | 34.8    |      |    | mg/L  | 0.1     | 0.5    | 09/13/18 13:26 | aeh     |
| Copper, dissolved            | M200.8 ICP-MS | 1        |         | U    |    | mg/L  | 0.0004  | 0.002  | 09/15/18 11:19 | bsu     |
| Copper, total recoverable    | M200.8 ICP-MS | 1        | 0.0011  | B    |    | mg/L  | 0.0004  | 0.002  | 09/17/18 18:50 | mfm     |
| Iron, dissolved              | M200.7 ICP    | 1        | 0.03    | B    |    | mg/L  | 0.02    | 0.05   | 09/13/18 13:26 | aeh     |
| Iron, total recoverable      | M200.7 ICP    | 1        | 0.92    |      | *  | mg/L  | 0.02    | 0.05   | 09/18/18 0:54  | dcm     |
| Lead, dissolved              | M200.8 ICP-MS | 1        | 0.0001  | B    |    | mg/L  | 0.0001  | 0.0005 | 09/15/18 11:19 | bsu     |
| Lead, total recoverable      | M200.8 ICP-MS | 1        | 0.0019  |      |    | mg/L  | 0.0001  | 0.0005 | 09/17/18 18:50 | mfm     |
| Magnesium, dissolved         | M200.7 ICP    | 1        | 3.3     |      |    | mg/L  | 0.2     | 1      | 09/13/18 13:26 | aeh     |
| Manganese, dissolved         | M200.7 ICP    | 1        |         | U    | *  | mg/L  | 0.005   | 0.03   | 09/17/18 13:44 | dcm     |
| Manganese, total recoverable | M200.7 ICP    | 1        | 0.049   |      | *  | mg/L  | 0.005   | 0.03   | 09/18/18 0:54  | dcm     |
| Mercury, total               | M245.1 CVAA   | 1        |         | U    | *  | mg/L  | 0.0002  | 0.001  | 09/14/18 14:07 | che     |
| Potassium, dissolved         | M200.7 ICP    | 1        | 3.4     |      |    | mg/L  | 0.2     | 1      | 09/13/18 13:26 | aeh     |
| Silver, dissolved            | M200.8 ICP-MS | 1        |         | U    |    | mg/L  | 0.00005 | 0.0003 | 09/15/18 11:19 | bsu     |
| Silver, total recoverable    | M200.8 ICP-MS | 1        | 0.00032 |      |    | mg/L  | 0.00005 | 0.0003 | 09/19/18 13:19 | mfm     |
| Sodium, dissolved            | M200.7 ICP    | 1        | 7.2     |      |    | mg/L  | 0.2     | 1      | 09/13/18 13:26 | aeh     |
| Zinc, dissolved              | M200.8 ICP-MS | 1        | 0.587   |      |    | mg/L  | 0.002   | 0.005  | 09/15/18 11:19 | bsu     |
| Zinc, total recoverable      | M200.8 ICP-MS | 1        | 0.635   |      |    | mg/L  | 0.002   | 0.005  | 09/17/18 18:50 | mfm     |

### Rio Grande Silver, Inc.

Project ID: BO40519

Sample ID: HW-2

ACZ Sample ID: **L46696-01**

Date Sampled: 09/04/18 10:15

Date Received: 09/05/18

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        | 28.7   |      |    | mg/L  | 2    | 20   | 09/07/18 0:00  | enb     |
| Carbonate as CaCO <sub>3</sub>            |                                                                    | 1        |        | U    |    | mg/L  | 2    | 20   | 09/07/18 0:00  | enb     |
| Hydroxide as CaCO <sub>3</sub>            |                                                                    | 1        |        | U    |    | mg/L  | 2    | 20   | 09/07/18 0:00  | enb     |
| Total Alkalinity                          |                                                                    | 1        | 28.7   |      |    | mg/L  | 2    | 20   | 09/07/18 0:00  | enb     |
| Cation-Anion Balance                      | Calculation                                                        |          |        |      |    |       |      |      |                |         |
| Cation-Anion Balance                      |                                                                    |          | -4.0   |      |    | %     |      |      | 09/21/18 0:00  | calc    |
| Sum of Anions                             |                                                                    |          | 2.6    |      |    | meq/L |      |      | 09/21/18 0:00  | calc    |
| Sum of Cations                            |                                                                    |          | 2.4    |      |    | meq/L |      |      | 09/21/18 0:00  | calc    |
| Chloride                                  | M300.0 - Ion Chromatography                                        | 1        | 1.70   | B    | *  | mg/L  | 0.4  | 2    | 09/11/18 21:17 | mss2    |
| Fluoride                                  | SM4500F-C                                                          | 1        | 0.21   | B    | *  | mg/L  | 0.05 | 0.3  | 09/10/18 14:05 | emk     |
| Hardness as CaCO <sub>3</sub> (dissolved) | SM2340B - Calculation                                              |          | 100    |      |    | mg/L  | 0.2  | 5    | 09/21/18 0:00  | calc    |
| Nitrate as N, dissolved                   | Calculation: NO <sub>3</sub> NO <sub>2</sub> minus NO <sub>2</sub> |          | 0.34   |      |    | mg/L  | 0.02 | 0.1  | 09/21/18 0:00  | calc    |
| Nitrate/Nitrite as N, dissolved           | M353.2 - Automated Cadmium Reduction                               | 1        | 0.34   |      | *  | mg/L  | 0.02 | 0.1  | 09/05/18 22:49 | pjb     |
| Nitrite as N, dissolved                   | M353.2 - Automated Cadmium Reduction                               | 1        |        | U    | *  | mg/L  | 0.01 | 0.05 | 09/05/18 22:49 | pjb     |
| Nitrogen, ammonia                         | M350.1 Auto Salicylate w/gas diffusion                             | 1        |        | U    | *  | mg/L  | 0.05 | 0.2  | 09/07/18 12:11 | mss2    |
| Nitrogen, organic                         | M351.2 & M350.1 - TKN minus NH <sub>3</sub>                        |          |        | U    |    | mg/L  | 0.1  | 0.5  | 09/21/18 0:00  | calc    |
| Nitrogen, total Kjeldahl                  | M351.2 - TKN by Block Digester                                     | 1        |        | U    | *  | mg/L  | 0.1  | 0.5  | 09/12/18 1:30  | pjb     |
| pH (lab)                                  | SM4500H+ B                                                         |          |        |      |    |       |      |      |                |         |
| pH                                        |                                                                    | 1        | 7.2    | H    |    | units | 0.1  | 0.1  | 09/07/18 0:00  | enb     |
| pH measured at                            |                                                                    | 1        | 24.7   |      |    | C     | 0.1  | 0.1  | 09/07/18 0:00  | enb     |
| Residue, Filterable (TDS) @180C           | SM2540C                                                            | 1        | 204    |      |    | mg/L  | 10   | 20   | 09/06/18 10:50 | oah     |
| Sulfate                                   | M300.0 - Ion Chromatography                                        | 1        | 90.5   |      |    | mg/L  | 0.4  | 2    | 09/19/18 2:20  | mss2    |
| Sulfide as S                              | SM4500S2-D                                                         | 1        |        | U    | *  | mg/L  | 0.02 | 0.1  | 09/06/18 13:32 | kja     |
| TDS (calculated)                          | Calculation                                                        |          | 161    |      |    | mg/L  |      |      | 09/21/18 0:00  | calc    |
| TDS (ratio - measured/calculated)         | Calculation                                                        |          | 1.27   |      |    |       |      |      | 09/21/18 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:

<http://www.acz.com/public/extquallist.pdf>

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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>WG455878</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG455878PBW1    | PBW  | 09/07/18 16:12 |            |          |        | 2.3   | mg/L  |      | -20   | 20    |     |       |      |
| WG455878LCSW3   | LCSW | 09/07/18 16:28 | WC180830-8 | 820.0001 |        | 827   | mg/L  | 101  | 90    | 110   |     |       |      |
| WG455878PQV2    | PQV  | 09/07/18 16:39 | WC171227-8 | 20       |        | 21.4  | mg/L  | 107  | 50    | 150   |     |       |      |
| L46701-02DUP    | DUP  | 09/07/18 17:33 |            |          | 71.8   | 71.6  | mg/L  |      |       |       | 0   | 20    |      |
| WG455878LCSW6   | LCSW | 09/07/18 19:16 | WC180830-8 | 820.0001 |        | 830   | mg/L  | 101  | 90    | 110   |     |       |      |
| WG455878PBW2    | PBW  | 09/07/18 19:23 |            |          |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG455878LCSW9   | LCSW | 09/07/18 21:36 | WC180830-8 | 820.0001 |        | 834   | mg/L  | 102  | 90    | 110   |     |       |      |

**Aluminum, dissolved** M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC         | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG456162</b> |      |                |            |            |        |       |       |      |       |       |     |       |      |
| WG456162ICV     | ICV  | 09/13/18 11:44 | II180824-2 | 2          |        | 1.996 | mg/L  | 100  | 95    | 105   |     |       |      |
| WG456162ICB     | ICB  | 09/13/18 11:50 |            |            |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| WG456162PQV     | PQV  | 09/13/18 11:53 | II180831-2 | .150285    |        | .176  | mg/L  | 117  | 70    | 130   |     |       |      |
| WG456162SIC     | SIC  | 09/13/18 11:56 | II180821-4 | 200.270285 |        | 200.5 | mg/L  | 100  | 1     | 200   |     |       |      |
| WG456162LFB     | LFB  | 09/13/18 12:02 | II180827-2 | 1.0019     |        | 1.085 | mg/L  | 108  | 85    | 115   |     |       |      |
| WG456162CCV1    | CCV  | 09/13/18 12:32 | II180831-3 | 1          |        | 1.021 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG456162CCB1    | CCB  | 09/13/18 12:35 |            |            |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| L45307-08AS     | AS   | 09/13/18 13:05 | II180827-2 | 1.0019     | .1     | 1.207 | mg/L  | 110  | 85    | 115   |     |       |      |
| WG456162CCV2    | CCV  | 09/13/18 13:08 | II180831-3 | 1          |        | 1.045 | mg/L  | 105  | 90    | 110   |     |       |      |
| WG456162CCB2    | CCB  | 09/13/18 13:11 |            |            |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |
| L45307-08ASD    | ASD  | 09/13/18 13:14 | II180827-2 | 1.0019     | .1     | 1.229 | mg/L  | 113  | 85    | 115   | 2   | 20    |      |
| WG456162CCV3    | CCV  | 09/13/18 13:29 | II180831-3 | 1          |        | 1.048 | mg/L  | 105  | 90    | 110   |     |       |      |
| WG456162CCB3    | CCB  | 09/13/18 13:32 |            |            |        | U     | mg/L  |      | -0.09 | 0.09  |     |       |      |

**Aluminum, total recoverable** M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC         | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|------------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG456479</b> |      |               |            |            |        |       |       |      |        |       |     |       |      |
| WG456479ICV     | ICV  | 09/18/18 0:15 | II180824-2 | 2          |        | 2.003 | mg/L  | 100  | 95     | 105   |     |       |      |
| WG456479ICB     | ICB  | 09/18/18 0:20 |            |            |        | U     | mg/L  |      | -0.09  | 0.09  |     |       |      |
| WG456479PQV     | PQV  | 09/18/18 0:24 | II180831-2 | .150285    |        | .168  | mg/L  | 112  | 70     | 130   |     |       |      |
| WG456479SIC     | SIC  | 09/18/18 0:27 | II180821-4 | 200.270285 |        | 202.9 | mg/L  | 101  | 1      | 200   |     |       |      |
| WG456302LRB     | LRB  | 09/18/18 0:33 |            |            |        | U     | mg/L  |      | -0.066 | 0.066 |     |       |      |
| WG456302LFB     | LFB  | 09/18/18 0:36 | II180827-2 | 1.0019     |        | 1.05  | mg/L  | 105  | 85     | 115   |     |       |      |
| WG456479CCV1    | CCV  | 09/18/18 1:03 | II180831-3 | 1          |        | 1.019 | mg/L  | 102  | 90     | 110   |     |       |      |
| WG456479CCB1    | CCB  | 09/18/18 1:06 |            |            |        | U     | mg/L  |      | -0.09  | 0.09  |     |       |      |
| L46725-02LFM    | LFM  | 09/18/18 1:09 | II180827-2 | 1.0019     | .09    | 1.177 | mg/L  | 108  | 70     | 130   |     |       |      |
| L46725-02LFMD   | LFMD | 09/18/18 1:12 | II180827-2 | 1.0019     | .09    | 1.168 | mg/L  | 108  | 70     | 130   | 1   | 20    |      |
| WG456479CCV2    | CCV  | 09/18/18 1:39 | II180831-3 | 1          |        | .989  | mg/L  | 99   | 90     | 110   |     |       |      |
| WG456479CCB2    | CCB  | 09/18/18 1:42 |            |            |        | U     | mg/L  |      | -0.09  | 0.09  |     |       |      |
| WG456479CCV3    | CCV  | 09/18/18 2:04 | II180831-3 | 1          |        | 1.03  | mg/L  | 103  | 90     | 110   |     |       |      |
| WG456479CCB3    | CCB  | 09/18/18 2:07 |            |            |        | U     | mg/L  |      | -0.09  | 0.09  |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG456416</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG456416ICV     | ICV  | 09/15/18 11:14 | MS180914-2 | .05   |        | .04764 | mg/L  | 95   | 90       | 110     |     |       |      |
| WG456416ICB     | ICB  | 09/15/18 11:16 |            |       |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG456416LFB     | LFB  | 09/15/18 11:18 | MS180830-2 | .0501 |        | .04749 | mg/L  | 95   | 85       | 115     |     |       |      |
| L46714-01AS     | AS   | 09/15/18 11:23 | MS180830-2 | .0501 | .0003  | .05059 | mg/L  | 100  | 70       | 130     |     |       |      |
| L46714-01ASD    | ASD  | 09/15/18 11:25 | MS180830-2 | .0501 | .0003  | .04966 | mg/L  | 99   | 70       | 130     | 2   | 20    |      |
| WG456416CCV1    | CCV  | 09/15/18 11:32 | MS180808-2 | .1002 |        | .10552 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG456416CCB1    | CCB  | 09/15/18 11:34 |            |       |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG456416CCV2    | CCV  | 09/15/18 11:54 | MS180808-2 | .1002 |        | .10135 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG456416CCB2    | CCB  | 09/15/18 11:56 |            |       |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG456416CCV3    | CCV  | 09/15/18 12:10 | MS180808-2 | .1002 |        | .10604 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG456416CCB3    | CCB  | 09/15/18 12:12 |            |       |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |

**Arsenic, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG456522</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG456522ICV     | ICV  | 09/17/18 18:07 | MS180914-2 | .05   |        | .04856 | mg/L  | 97   | 90       | 110     |     |       |      |
| WG456522ICB     | ICB  | 09/17/18 18:10 |            |       |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG456522LRB     | LRB  | 09/17/18 18:13 |            |       |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG456522LFB     | LFB  | 09/17/18 18:16 | MS180830-2 | .0501 |        | .04955 | mg/L  | 99   | 85       | 115     |     |       |      |
| L46687-01LFM    | LFM  | 09/17/18 18:29 | MS180830-2 | .0501 | .0011  | .05384 | mg/L  | 105  | 70       | 130     |     |       |      |
| L46687-01LFMD   | LFMD | 09/17/18 18:32 | MS180830-2 | .0501 | .0011  | .05289 | mg/L  | 103  | 70       | 130     | 2   | 20    |      |
| WG456522CCV1    | CCV  | 09/17/18 18:41 | MS180808-2 | .1002 |        | .09866 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG456522CCB1    | CCB  | 09/17/18 18:44 |            |       |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG456522CCV2    | CCV  | 09/17/18 19:18 | MS180808-2 | .1002 |        | .09902 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG456522CCB2    | CCB  | 09/17/18 19:21 |            |       |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |
| WG456522CCV3    | CCV  | 09/17/18 19:43 | MS180808-2 | .1002 |        | .09762 | mg/L  | 97   | 90       | 110     |     |       |      |
| WG456522CCB3    | CCB  | 09/17/18 19:46 |            |       |        | U      | mg/L  |      | -0.0006  | 0.0006  |     |       |      |

**Cadmium, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG456416</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG456416ICV     | ICV  | 09/15/18 11:14 | MS180914-2 | .05    |        | .0492  | mg/L  | 98   | 90       | 110     |     |       |      |
| WG456416ICB     | ICB  | 09/15/18 11:16 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG456416LFB     | LFB  | 09/15/18 11:18 | MS180830-2 | .05005 |        | .04636 | mg/L  | 93   | 85       | 115     |     |       |      |
| L46714-01AS     | AS   | 09/15/18 11:23 | MS180830-2 | .05005 | U      | .04783 | mg/L  | 96   | 70       | 130     |     |       |      |
| L46714-01ASD    | ASD  | 09/15/18 11:25 | MS180830-2 | .05005 | U      | .04832 | mg/L  | 97   | 70       | 130     | 1   | 20    |      |
| WG456416CCV1    | CCV  | 09/15/18 11:32 | MS180808-2 | .1001  |        | .09961 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG456416CCB1    | CCB  | 09/15/18 11:34 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456416CCV2    | CCV  | 09/15/18 11:54 | MS180808-2 | .1001  |        | .09924 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG456416CCB2    | CCB  | 09/15/18 11:56 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456416CCV3    | CCV  | 09/15/18 12:10 | MS180808-2 | .1001  |        | .09931 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG456416CCB3    | CCB  | 09/15/18 12:12 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG456522</b> |      |                |            |        |        |        |       |      |          |         |     |       |      |
| WG456522ICV     | ICV  | 09/17/18 18:07 | MS180914-2 | .05    |        | .05032 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG456522ICB     | ICB  | 09/17/18 18:10 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456358LRB     | LRB  | 09/17/18 18:13 |            |        |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG456358LFB     | LFB  | 09/17/18 18:16 | MS180830-2 | .05005 |        | .04996 | mg/L  | 100  | 85       | 115     |     |       |      |
| L46687-01LFM    | LFM  | 09/17/18 18:29 | MS180830-2 | .05005 | U      | .04716 | mg/L  | 94   | 70       | 130     |     |       |      |
| L46687-01LFMD   | LFMD | 09/17/18 18:32 | MS180830-2 | .05005 | U      | .04632 | mg/L  | 93   | 70       | 130     | 2   | 20    |      |
| WG456522CCV1    | CCV  | 09/17/18 18:41 | MS180808-2 | .1001  |        | .09956 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG456522CCB1    | CCB  | 09/17/18 18:44 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456522CCV2    | CCV  | 09/17/18 19:18 | MS180808-2 | .1001  |        | .09923 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG456522CCB2    | CCB  | 09/17/18 19:21 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456522CCV3    | CCV  | 09/17/18 19:43 | MS180808-2 | .1001  |        | .09875 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG456522CCB3    | CCB  | 09/17/18 19:46 |            |        |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Calcium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG456162</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG456162ICV     | ICV  | 09/13/18 11:44 | II180824-2 | 100      |        | 98.09 | mg/L  | 98   | 95    | 105   |     |       |      |
| WG456162ICB     | ICB  | 09/13/18 11:50 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| WG456162PQV     | PQV  | 09/13/18 11:53 | II180831-2 | .5004    |        | .48   | mg/L  | 96   | 70    | 130   |     |       |      |
| WG456162SIC     | SIC  | 09/13/18 11:56 | II180821-4 | 200.6604 |        | 194.6 | mg/L  | 97   | 1     | 200   |     |       |      |
| WG456162LFB     | LFB  | 09/13/18 12:02 | II180827-2 | 68.16145 |        | 68.13 | mg/L  | 100  | 85    | 115   |     |       |      |
| WG456162CCV1    | CCV  | 09/13/18 12:32 | II180831-3 | 50       |        | 49.87 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456162CCB1    | CCB  | 09/13/18 12:35 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| L45307-08AS     | AS   | 09/13/18 13:05 | II180827-2 | 68.16145 | 1      | 70.82 | mg/L  | 102  | 85    | 115   |     |       |      |
| WG456162CCV2    | CCV  | 09/13/18 13:08 | II180831-3 | 50       |        | 49.67 | mg/L  | 99   | 90    | 110   |     |       |      |
| WG456162CCB2    | CCB  | 09/13/18 13:11 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |
| L45307-08ASD    | ASD  | 09/13/18 13:14 | II180827-2 | 68.16145 | 1      | 72.34 | mg/L  | 105  | 85    | 115   | 2   | 20    |      |
| WG456162CCV3    | CCV  | 09/13/18 13:29 | II180831-3 | 50       |        | 50.06 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456162CCB3    | CCB  | 09/13/18 13:32 |            |          |        | U     | mg/L  |      | -0.3  | 0.3   |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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**

M300.0 - Ion Chromatography

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG455055</b> |      |                |             |       |        |       |       |      |       |       |     |       |      |
| WG455055ICV     | ICV  | 08/21/18 2:18  | WI180625-3  | 19.96 |        | 19.8  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG455055ICB     | ICB  | 08/21/18 2:36  |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| <b>WG456010</b> |      |                |             |       |        |       |       |      |       |       |     |       |      |
| WG456010CCV1    | CCV  | 09/11/18 12:02 | WI180820-3  | 50    |        | 49.8  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456010CCB1    | CCB  | 09/11/18 12:20 |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456010PQV     | PQV  | 09/11/18 12:38 | WI180820-5  | 2     |        | 2.09  | mg/L  | 105  | 70    | 130   |     |       |      |
| WG456010LFB1    | LFB  | 09/11/18 12:56 | WI180430-12 | 30    |        | 29.9  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456010CCV2    | CCV  | 09/11/18 15:37 | WI180820-3  | 50    |        | 50.1  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456010CCB2    | CCB  | 09/11/18 15:55 |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| L46519-10DUP    | DUP  | 09/11/18 17:42 |             |       | 16.8   | 16.6  | mg/L  |      |       |       | 1   | 20    | RA   |
| L46544-01AS     | AS   | 09/11/18 18:18 | WI180430-12 | 600   | 87.8   | 677   | mg/L  | 98   | 90    | 110   |     |       |      |
| WG456010CCV3    | CCV  | 09/11/18 19:12 | WI180820-3  | 50    |        | 50    | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456010CCB3    | CCB  | 09/11/18 19:30 |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456010LFB2    | LFB  | 09/11/18 21:35 | WI180430-12 | 30    |        | 30    | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456010CCV4    | CCV  | 09/11/18 22:47 | WI180820-3  | 50    |        | 50.1  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456010CCB4    | CCB  | 09/11/18 23:05 |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456010CCV5    | CCV  | 09/12/18 2:04  | WI180820-3  | 50    |        | 50.1  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456010CCB5    | CCB  | 09/12/18 2:22  |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456010CCV6    | CCV  | 09/12/18 9:23  | WI180820-3  | 50    |        | 50.2  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456010CCB6    | CCB  | 09/12/18 9:40  |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456010PQV1    | PQV  | 09/12/18 9:58  | WI180820-5  | 2     |        | 2.12  | mg/L  | 106  | 70    | 130   |     |       |      |
| WG456010CCV7    | CCV  | 09/12/18 11:28 | WI180820-3  | 50    |        | 50.1  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456010CCB7    | CCB  | 09/12/18 11:46 |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |

**Copper, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG456416</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG456416ICV     | ICV  | 09/15/18 11:14 | MS180914-2 | .05   |        | .04987 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG456416ICB     | ICB  | 09/15/18 11:16 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG456416LFB     | LFB  | 09/15/18 11:18 | MS180830-2 | .0491 |        | .04661 | mg/L  | 95   | 85       | 115     |     |       |      |
| L46714-01AS     | AS   | 09/15/18 11:23 | MS180830-2 | .0491 | .0013  | .05034 | mg/L  | 100  | 70       | 130     |     |       |      |
| L46714-01ASD    | ASD  | 09/15/18 11:25 | MS180830-2 | .0491 | .0013  | .05012 | mg/L  | 99   | 70       | 130     | 0   | 20    |      |
| WG456416CCV1    | CCV  | 09/15/18 11:32 | MS180808-2 | .2455 |        | .25888 | mg/L  | 105  | 90       | 110     |     |       |      |
| WG456416CCB1    | CCB  | 09/15/18 11:34 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG456416CCV2    | CCV  | 09/15/18 11:54 | MS180808-2 | .2455 |        | .25476 | mg/L  | 104  | 90       | 110     |     |       |      |
| WG456416CCB2    | CCB  | 09/15/18 11:56 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG456416CCV3    | CCV  | 09/15/18 12:10 | MS180808-2 | .2455 |        | .26017 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG456416CCB3    | CCB  | 09/15/18 12:12 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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 recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG456522</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG456522ICV     | ICV  | 09/17/18 18:07 | MS180914-2 | .05   |        | .05048 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG456522ICB     | ICB  | 09/17/18 18:10 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG456358LRB     | LRB  | 09/17/18 18:13 |            |       |        | U      | mg/L  |      | -0.00088 | 0.00088 |     |       |      |
| WG456358LFB     | LFB  | 09/17/18 18:16 | MS180830-2 | .0491 |        | .05    | mg/L  | 102  | 85       | 115     |     |       |      |
| L46687-01LFM    | LFM  | 09/17/18 18:29 | MS180830-2 | .0491 | .0005  | .04534 | mg/L  | 91   | 70       | 130     |     |       |      |
| L46687-01LFMD   | LFMD | 09/17/18 18:32 | MS180830-2 | .0491 | .0005  | .04465 | mg/L  | 90   | 70       | 130     | 2   | 20    |      |
| WG456522CCV1    | CCV  | 09/17/18 18:41 | MS180808-2 | .2455 |        | .2507  | mg/L  | 102  | 90       | 110     |     |       |      |
| WG456522CCB1    | CCB  | 09/17/18 18:44 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG456522CCV2    | CCV  | 09/17/18 19:18 | MS180808-2 | .2455 |        | .2526  | mg/L  | 103  | 90       | 110     |     |       |      |
| WG456522CCB2    | CCB  | 09/17/18 19:21 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |
| WG456522CCV3    | CCV  | 09/17/18 19:43 | MS180808-2 | .2455 |        | .247   | mg/L  | 101  | 90       | 110     |     |       |      |
| WG456522CCB3    | CCB  | 09/17/18 19:46 |            |       |        | U      | mg/L  |      | -0.0012  | 0.0012  |     |       |      |

**Fluoride**

SM4500F-C

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC     | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|--------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG455928</b> |      |                |             |        |        |       |       |      |       |       |     |       |      |
| WG455928ICV     | ICV  | 09/10/18 10:40 | WC180830-1  | 1.996  |        | 2     | mg/L  | 100  | 90    | 110   |     |       |      |
| WG455928ICB     | ICB  | 09/10/18 10:44 |             |        |        | .051  | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG455928PQV     | PQV  | 09/10/18 10:48 | WC180829-1  | .25075 |        | .209  | mg/L  | 83   | 70    | 130   |     |       |      |
| WG455928LFB1    | LFB  | 09/10/18 10:52 | WC180508-10 | 5.015  |        | 5.138 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG455928CCV1    | CCV  | 09/10/18 12:08 | WC180830-1  | 1.996  |        | 2.103 | mg/L  | 105  | 90    | 110   |     |       |      |
| WG455928CCB1    | CCB  | 09/10/18 12:14 |             |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| L46647-01AS     | AS   | 09/10/18 13:12 | WC180508-10 | 200.6  | 633    | 811.2 | mg/L  | 89   | 90    | 110   |     |       | M2   |
| L46647-01ASD    | ASD  | 09/10/18 13:20 | WC180508-10 | 200.6  | 633    | 811.2 | mg/L  | 89   | 90    | 110   | 0   | 20    | M2   |
| WG455928CCV2    | CCV  | 09/10/18 13:53 | WC180830-1  | 1.996  |        | 2.036 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG455928CCB2    | CCB  | 09/10/18 13:57 |             |        |        | .074  | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG455928CCV3    | CCV  | 09/10/18 15:05 | WC180830-1  | 1.996  |        | 2.083 | mg/L  | 104  | 90    | 110   |     |       |      |
| WG455928CCB3    | CCB  | 09/10/18 15:09 |             |        |        | .09   | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG455928LFB2    | LFB  | 09/10/18 15:20 | WC180508-10 | 5.015  |        | 4.887 | mg/L  | 97   | 90    | 110   |     |       |      |
| WG455928CCV4    | CCV  | 09/10/18 17:00 | WC180830-1  | 1.996  |        | 2.171 | mg/L  | 109  | 90    | 110   |     |       |      |
| WG455928CCB4    | CCB  | 09/10/18 17:05 |             |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |
| WG455928CCV5    | CCV  | 09/10/18 17:44 | WC180830-1  | 1.996  |        | 1.793 | mg/L  | 90   | 90    | 110   |     |       |      |
| WG455928CCB5    | CCB  | 09/10/18 17:48 |             |        |        | U     | mg/L  |      | -0.15 | 0.15  |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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>WG456162</b> |      |                |            |           |        |       |       |      |       |       |     |       |      |
| WG456162ICV     | ICV  | 09/13/18 11:44 | II180824-2 | 2         |        | 1.943 | mg/L  | 97   | 95    | 105   |     |       |      |
| WG456162ICB     | ICB  | 09/13/18 11:50 |            |           |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG456162PQV     | PQV  | 09/13/18 11:53 | II180831-2 | .05009    |        | .054  | mg/L  | 108  | 70    | 130   |     |       |      |
| WG456162SIC     | SIC  | 09/13/18 11:56 | II180821-4 | 200.41009 |        | 188.8 | mg/L  | 94   | 1     | 200   |     |       |      |
| WG456162LFB     | LFB  | 09/13/18 12:02 | II180827-2 | 1.0018    |        | 1.093 | mg/L  | 109  | 85    | 115   |     |       |      |
| WG456162CCV1    | CCV  | 09/13/18 12:32 | II180831-3 | 1         |        | 1.004 | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456162CCB1    | CCB  | 09/13/18 12:35 |            |           |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| L45307-08AS     | AS   | 09/13/18 13:05 | II180827-2 | 1.0018    | .22    | 1.332 | mg/L  | 111  | 85    | 115   |     |       |      |
| WG456162CCV2    | CCV  | 09/13/18 13:08 | II180831-3 | 1         |        | 1.005 | mg/L  | 101  | 90    | 110   |     |       |      |
| WG456162CCB2    | CCB  | 09/13/18 13:11 |            |           |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| L45307-08ASD    | ASD  | 09/13/18 13:14 | II180827-2 | 1.0018    | .22    | 1.357 | mg/L  | 113  | 85    | 115   | 2   | 20    |      |
| WG456162CCV3    | CCV  | 09/13/18 13:29 | II180831-3 | 1         |        | 1.021 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG456162CCB3    | CCB  | 09/13/18 13:32 |            |           |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |

**Iron, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC        | Sample | Found | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|-----------|--------|-------|-------|------|--------|-------|-----|-------|------|
| <b>WG456479</b> |      |               |            |           |        |       |       |      |        |       |     |       |      |
| WG456479ICV     | ICV  | 09/18/18 0:15 | II180824-2 | 2         |        | 1.946 | mg/L  | 97   | 95     | 105   |     |       |      |
| WG456479ICB     | ICB  | 09/18/18 0:20 |            |           |        | U     | mg/L  |      | -0.06  | 0.06  |     |       |      |
| WG456479PQV     | PQV  | 09/18/18 0:24 | II180831-2 | .05009    |        | .057  | mg/L  | 114  | 70     | 130   |     |       |      |
| WG456479SIC     | SIC  | 09/18/18 0:27 | II180821-4 | 200.41009 |        | 189.7 | mg/L  | 95   | 1      | 200   |     |       |      |
| WG456302LRB     | LRB  | 09/18/18 0:33 |            |           |        | U     | mg/L  |      | -0.044 | 0.044 |     |       |      |
| WG456302LFB     | LFB  | 09/18/18 0:36 | II180827-2 | 1.0018    |        | 1.084 | mg/L  | 108  | 85     | 115   |     |       |      |
| WG456479CCV1    | CCV  | 09/18/18 1:03 | II180831-3 | 1         |        | 1.017 | mg/L  | 102  | 90     | 110   |     |       |      |
| WG456479CCB1    | CCB  | 09/18/18 1:06 |            |           |        | U     | mg/L  |      | -0.06  | 0.06  |     |       |      |
| L46725-02LFM    | LFM  | 09/18/18 1:09 | II180827-2 | 1.0018    | 81.1   | 83.25 | mg/L  | 215  | 70     | 130   |     |       | M3   |
| L46725-02LFMD   | LFMD | 09/18/18 1:12 | II180827-2 | 1.0018    | 81.1   | 83.47 | mg/L  | 237  | 70     | 130   | 0   | 20    | M3   |
| WG456479CCV2    | CCV  | 09/18/18 1:39 | II180831-3 | 1         |        | .969  | mg/L  | 97   | 90     | 110   |     |       |      |
| WG456479CCB2    | CCB  | 09/18/18 1:42 |            |           |        | U     | mg/L  |      | -0.06  | 0.06  |     |       |      |
| WG456479CCV3    | CCV  | 09/18/18 2:04 | II180831-3 | 1         |        | 1.008 | mg/L  | 101  | 90     | 110   |     |       |      |
| WG456479CCB3    | CCB  | 09/18/18 2:07 |            |           |        | U     | mg/L  |      | -0.06  | 0.06  |     |       |      |

**Lead, dissolved**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG456416</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG456416ICV     | ICV  | 09/15/18 11:14 | MS180914-2 | .05   |        | .04785 | mg/L  | 96   | 90       | 110     |     |       |      |
| WG456416ICB     | ICB  | 09/15/18 11:16 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG456416LFB     | LFB  | 09/15/18 11:18 | MS180830-2 | .0496 |        | .04602 | mg/L  | 93   | 85       | 115     |     |       |      |
| L46714-01AS     | AS   | 09/15/18 11:23 | MS180830-2 | .0496 | .0001  | .04801 | mg/L  | 97   | 70       | 130     |     |       |      |
| L46714-01ASD    | ASD  | 09/15/18 11:25 | MS180830-2 | .0496 | .0001  | .04879 | mg/L  | 98   | 70       | 130     | 2   | 20    |      |
| WG456416CCV1    | CCV  | 09/15/18 11:32 | MS180808-2 | .248  |        | .25349 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG456416CCB1    | CCB  | 09/15/18 11:34 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456416CCV2    | CCV  | 09/15/18 11:54 | MS180808-2 | .248  |        | .24324 | mg/L  | 98   | 90       | 110     |     |       |      |
| WG456416CCB2    | CCB  | 09/15/18 11:56 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456416CCV3    | CCV  | 09/15/18 12:10 | MS180808-2 | .248  |        | .25147 | mg/L  | 101  | 90       | 110     |     |       |      |
| WG456416CCB3    | CCB  | 09/15/18 12:12 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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 recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC    | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG456522</b> |      |                |            |       |        |        |       |      |          |         |     |       |      |
| WG456522ICV     | ICV  | 09/17/18 18:07 | MS180914-2 | .05   |        | .05015 | mg/L  | 100  | 90       | 110     |     |       |      |
| WG456522ICB     | ICB  | 09/17/18 18:10 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456358LRB     | LRB  | 09/17/18 18:13 |            |       |        | U      | mg/L  |      | -0.00022 | 0.00022 |     |       |      |
| WG456358LFB     | LFB  | 09/17/18 18:16 | MS180830-2 | .0496 |        | .04943 | mg/L  | 100  | 85       | 115     |     |       |      |
| L46687-01LFM    | LFM  | 09/17/18 18:29 | MS180830-2 | .0496 | .0002  | .05116 | mg/L  | 103  | 70       | 130     |     |       |      |
| L46687-01LFMD   | LFMD | 09/17/18 18:32 | MS180830-2 | .0496 | .0002  | .05109 | mg/L  | 103  | 70       | 130     | 0   | 20    |      |
| WG456522CCV1    | CCV  | 09/17/18 18:41 | MS180808-2 | .248  |        | .2544  | mg/L  | 103  | 90       | 110     |     |       |      |
| WG456522CCB1    | CCB  | 09/17/18 18:44 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456522CCV2    | CCV  | 09/17/18 19:18 | MS180808-2 | .248  |        | .2536  | mg/L  | 102  | 90       | 110     |     |       |      |
| WG456522CCB2    | CCB  | 09/17/18 19:21 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |
| WG456522CCV3    | CCV  | 09/17/18 19:43 | MS180808-2 | .248  |        | .2539  | mg/L  | 102  | 90       | 110     |     |       |      |
| WG456522CCB3    | CCB  | 09/17/18 19:46 |            |       |        | U      | mg/L  |      | -0.0003  | 0.0003  |     |       |      |

**Magnesium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG456162</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG456162ICV     | ICV  | 09/13/18 11:44 | II180824-2 | 100      |        | 99.34 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG456162ICB     | ICB  | 09/13/18 11:50 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG456162PQV     | PQV  | 09/13/18 11:53 | II180831-2 | 1.0012   |        | .94   | mg/L  | 94   | 70    | 130   |     |       |      |
| WG456162SIC     | SIC  | 09/13/18 11:56 | II180821-4 | 201.2412 |        | 199.4 | mg/L  | 99   | 1     | 200   |     |       |      |
| WG456162LFB     | LFB  | 09/13/18 12:02 | II180827-2 | 50.2933  |        | 47.93 | mg/L  | 95   | 85    | 115   |     |       |      |
| WG456162CCV1    | CCV  | 09/13/18 12:32 | II180831-3 | 50       |        | 50.61 | mg/L  | 101  | 90    | 110   |     |       |      |
| WG456162CCB1    | CCB  | 09/13/18 12:35 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| L45307-08AS     | AS   | 09/13/18 13:05 | II180827-2 | 50.2933  | U      | 49.43 | mg/L  | 98   | 85    | 115   |     |       |      |
| WG456162CCV2    | CCV  | 09/13/18 13:08 | II180831-3 | 50       |        | 50.63 | mg/L  | 101  | 90    | 110   |     |       |      |
| WG456162CCB2    | CCB  | 09/13/18 13:11 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| L45307-08ASD    | ASD  | 09/13/18 13:14 | II180827-2 | 50.2933  | U      | 50.39 | mg/L  | 100  | 85    | 115   | 2   | 20    |      |
| WG456162CCV3    | CCV  | 09/13/18 13:29 | II180831-3 | 50       |        | 51.11 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG456162CCB3    | CCB  | 09/13/18 13:32 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |

**Manganese, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual  |
|-----------------|------|----------------|------------|----------|--------|--------|-------|------|--------|-------|-----|-------|-------|
| <b>WG456389</b> |      |                |            |          |        |        |       |      |        |       |     |       |       |
| WG456389ICV     | ICV  | 09/17/18 11:54 | II180824-2 | 2        |        | 1.9185 | mg/L  | 96   | 95     | 105   |     |       |       |
| WG456389ICB     | ICB  | 09/17/18 12:00 |            |          |        | U      | mg/L  |      | -0.015 | 0.015 |     |       |       |
| WG456389PQV     | PQV  | 09/17/18 12:04 | II180831-2 | .02505   |        | .0253  | mg/L  | 101  | 70     | 130   |     |       |       |
| WG456389SIC     | SIC  | 09/17/18 12:07 | II180821-4 | 50.07505 |        | 46.68  | mg/L  | 93   | 1      | 200   |     |       |       |
| WG456389LFB     | LFB  | 09/17/18 12:13 | II180913-2 | .0501    |        | .0602  | mg/L  | 120  | 85     | 115   |     |       | LA M3 |
| WG456389CCV1    | CCV  | 09/17/18 12:46 | II180831-3 | 1        |        | .9772  | mg/L  | 98   | 90     | 110   |     |       |       |
| WG456389CCB1    | CCB  | 09/17/18 12:49 |            |          |        | U      | mg/L  |      | -0.015 | 0.015 |     |       |       |
| L46601-04AS     | AS   | 09/17/18 13:11 | II180913-2 | .0501    | U      | .0595  | mg/L  | 119  | 85     | 115   |     |       | M1    |
| L46601-04ASD    | ASD  | 09/17/18 13:15 | II180913-2 | .0501    | U      | .0595  | mg/L  | 119  | 85     | 115   | 0   | 20    | M1    |
| WG456389CCV2    | CCV  | 09/17/18 13:24 | II180831-3 | 1        |        | .9758  | mg/L  | 98   | 90     | 110   |     |       |       |
| WG456389CCB2    | CCB  | 09/17/18 13:27 |            |          |        | U      | mg/L  |      | -0.015 | 0.015 |     |       |       |
| WG456389CCV3    | CCV  | 09/17/18 13:47 | II180831-3 | 1        |        | .9931  | mg/L  | 99   | 90     | 110   |     |       |       |
| WG456389CCB3    | CCB  | 09/17/18 13:50 |            |          |        | U      | mg/L  |      | -0.015 | 0.015 |     |       |       |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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, total recoverable**

M200.7 ICP

| ACZ ID          | Type | Analyzed      | PCN/SCN    | QC       | Sample | Found  | Units | Rec% | Lower  | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|------------|----------|--------|--------|-------|------|--------|-------|-----|-------|------|
| <b>WG456479</b> |      |               |            |          |        |        |       |      |        |       |     |       |      |
| WG456479ICV     | ICV  | 09/18/18 0:15 | II180824-2 | 2        |        | 1.9455 | mg/L  | 97   | 95     | 105   |     |       |      |
| WG456479ICB     | ICB  | 09/18/18 0:20 |            |          |        | U      | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG456479PQV     | PQV  | 09/18/18 0:24 | II180831-2 | .02505   |        | .0282  | mg/L  | 113  | 70     | 130   |     |       |      |
| WG456479SIC     | SIC  | 09/18/18 0:27 | II180821-4 | 50.07505 |        | 45.9   | mg/L  | 92   | 1      | 200   |     |       |      |
| WG456302LRB     | LRB  | 09/18/18 0:33 |            |          |        | U      | mg/L  |      | -0.011 | 0.011 |     |       |      |
| WG456302LFB     | LFB  | 09/18/18 0:36 | II180827-2 | .5005    |        | .5303  | mg/L  | 106  | 85     | 115   |     |       |      |
| WG456479CCV1    | CCV  | 09/18/18 1:03 | II180831-3 | 1        |        | 1.013  | mg/L  | 101  | 90     | 110   |     |       |      |
| WG456479CCB1    | CCB  | 09/18/18 1:06 |            |          |        | U      | mg/L  |      | -0.015 | 0.015 |     |       |      |
| L46725-02LFM    | LFM  | 09/18/18 1:09 | II180827-2 | .5005    | 29.7   | 30.43  | mg/L  | 146  | 70     | 130   |     |       | M3   |
| L46725-02LFMD   | LFMD | 09/18/18 1:12 | II180827-2 | .5005    | 29.7   | 30.5   | mg/L  | 160  | 70     | 130   | 0   | 20    | M3   |
| WG456479CCV2    | CCV  | 09/18/18 1:39 | II180831-3 | 1        |        | .9726  | mg/L  | 97   | 90     | 110   |     |       |      |
| WG456479CCB2    | CCB  | 09/18/18 1:42 |            |          |        | U      | mg/L  |      | -0.015 | 0.015 |     |       |      |
| WG456479CCV3    | CCV  | 09/18/18 2:04 | II180831-3 | 1        |        | 1.008  | mg/L  | 101  | 90     | 110   |     |       |      |
| WG456479CCB3    | CCB  | 09/18/18 2:07 |            |          |        | U      | mg/L  |      | -0.015 | 0.015 |     |       |      |

**Mercury, total**

M245.1 CVAA

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found  | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|--------|-------|------|----------|---------|-----|-------|------|
| <b>WG456243</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG456243ICV     | ICV  | 09/14/18 13:13 | HG180822-3 | .004995 |        | .00499 | mg/L  | 100  | 95       | 105     |     |       |      |
| WG456243ICB     | ICB  | 09/14/18 13:14 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| <b>WG456244</b> |      |                |            |         |        |        |       |      |          |         |     |       |      |
| WG456244CCV1    | CCV  | 09/14/18 13:46 | HG180822-3 | .004995 |        | .00495 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG456244CCB1    | CCB  | 09/14/18 13:47 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG456244PQV     | PQV  | 09/14/18 13:48 | HG180822-5 | .001001 |        | .00083 | mg/L  | 83   | 70       | 130     |     |       |      |
| WG456244LRB     | LRB  | 09/14/18 13:49 |            |         |        | U      | mg/L  |      | -0.00044 | 0.00044 |     |       |      |
| WG456244CCV2    | CCV  | 09/14/18 13:58 | HG180822-3 | .004995 |        | .00485 | mg/L  | 97   | 90       | 110     |     |       |      |
| WG456244CCB2    | CCB  | 09/14/18 13:59 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG456244CCV3    | CCV  | 09/14/18 14:09 | HG180822-3 | .004995 |        | .00485 | mg/L  | 97   | 90       | 110     |     |       |      |
| WG456244CCB3    | CCB  | 09/14/18 14:10 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| WG456244CCV4    | CCV  | 09/14/18 14:20 | HG180822-3 | .004995 |        | .00478 | mg/L  | 96   | 90       | 110     |     |       |      |
| WG456244CCB4    | CCB  | 09/14/18 14:21 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |
| L46713-01LFM    | LFM  | 09/14/18 14:22 | HG180822-6 | .002002 | U      | .00166 | mg/L  | 83   | 85       | 115     |     |       | M2   |
| L46713-01LFMD   | LFMD | 09/14/18 14:23 | HG180822-6 | .002002 | U      | .00168 | mg/L  | 84   | 85       | 115     | 1   | 20    | M2   |
| WG456244LFB     | LFB  | 09/14/18 14:29 | HG180822-6 | .002002 |        | .00174 | mg/L  | 87   | 85       | 115     |     |       |      |
| WG456244CCV5    | CCV  | 09/14/18 14:30 | HG180822-3 | .004995 |        | .00472 | mg/L  | 94   | 90       | 110     |     |       |      |
| WG456244CCB5    | CCB  | 09/14/18 14:31 |            |         |        | U      | mg/L  |      | -0.0002  | 0.0002  |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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, dissolved**

M353.2 - Automated Cadmium Reduction

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG455691</b> |      |                |             |       |        |       |       |      |       |       |     |       |      |
| WG455691ICV     | ICV  | 09/05/18 22:24 | WI180905-11 | 2.416 |        | 2.334 | mg/L  | 97   | 90    | 110   |     |       |      |
| WG455691ICB     | ICB  | 09/05/18 22:26 |             |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| WG455691LFB     | LFB  | 09/05/18 22:29 | WI180703-7  | 2     |        | 1.979 | mg/L  | 99   | 90    | 110   |     |       |      |
| L37475-67AS     | AS   | 09/05/18 22:32 | WI180703-7  | 2     | .04    | 2.002 | mg/L  | 98   | 90    | 110   |     |       |      |
| L46633-05DUP    | DUP  | 09/05/18 22:34 |             |       | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| WG455691CCV1    | CCV  | 09/05/18 22:39 | WI180830-4  | 2     |        | 1.955 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG455691CCB1    | CCB  | 09/05/18 22:43 |             |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |
| WG455691CCV2    | CCV  | 09/05/18 22:52 | WI180830-4  | 2     |        | 1.944 | mg/L  | 97   | 90    | 110   |     |       |      |
| WG455691CCB2    | CCB  | 09/05/18 22:55 |             |       |        | U     | mg/L  |      | -0.02 | 0.02  |     |       |      |

**Nitrite as N, dissolved**

M353.2 - Automated Cadmium Reduction

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG455691</b> |      |                |             |      |        |       |       |      |       |       |     |       |      |
| WG455691ICV     | ICV  | 09/05/18 22:24 | WI180905-11 | .609 |        | .603  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG455691ICB     | ICB  | 09/05/18 22:26 |             |      |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG455691LFB     | LFB  | 09/05/18 22:29 | WI180703-7  | 1    |        | 1.011 | mg/L  | 101  | 90    | 110   |     |       |      |
| L37475-67AS     | AS   | 09/05/18 22:32 | WI180703-7  | 1    | U      | .989  | mg/L  | 99   | 90    | 110   |     |       |      |
| L46633-05DUP    | DUP  | 09/05/18 22:34 |             |      | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| WG455691CCV1    | CCV  | 09/05/18 22:39 | WI180830-4  | 1    |        | .98   | mg/L  | 98   | 90    | 110   |     |       |      |
| WG455691CCB1    | CCB  | 09/05/18 22:43 |             |      |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |
| WG455691CCV2    | CCV  | 09/05/18 22:52 | WI180830-4  | 1    |        | .987  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG455691CCB2    | CCB  | 09/05/18 22:55 |             |      |        | U     | mg/L  |      | -0.01 | 0.01  |     |       |      |

**Nitrogen, ammonia**

M350.1 Auto Salicylate w/gas diffusion

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found  | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|--------|-------|------|-------|-------|-----|-------|------|
| <b>WG455841</b> |      |                |            |        |        |        |       |      |       |       |     |       |      |
| WG455841ICV     | ICV  | 09/07/18 11:56 | WI180626-2 | 11.988 |        | 11.801 | mg/L  | 98   | 90    | 110   |     |       |      |
| WG455841ICB     | ICB  | 09/07/18 11:58 |            |        |        | U      | mg/L  |      | -0.05 | 0.05  |     |       |      |
| WG455841LFB1    | LFB  | 09/07/18 11:59 | WI180905-1 | 10     |        | 9.89   | mg/L  | 99   | 90    | 110   |     |       |      |
| L46625-01DUP    | DUP  | 09/07/18 12:02 |            |        | .17    | .18    | mg/L  |      |       |       | 6   | 20    | RA   |
| L46625-02AS     | AS   | 09/07/18 12:05 | WI180905-1 | 10     | U      | 9.781  | mg/L  | 98   | 90    | 110   |     |       |      |
| WG455841CCV1    | CCV  | 09/07/18 12:14 | WI180626-1 | 10     |        | 10.17  | mg/L  | 102  | 90    | 110   |     |       |      |
| WG455841CCB1    | CCB  | 09/07/18 12:15 |            |        |        | U      | mg/L  |      | -0.05 | 0.05  |     |       |      |
| WG455841CCV2    | CCV  | 09/07/18 13:33 | WI180626-1 | 10     |        | 9.821  | mg/L  | 98   | 90    | 110   |     |       |      |
| WG455841CCB2    | CCB  | 09/07/18 13:35 |            |        |        | U      | mg/L  |      | -0.05 | 0.05  |     |       |      |
| WG455841CCV3    | CCV  | 09/07/18 13:51 | WI180626-1 | 10     |        | 10.376 | mg/L  | 104  | 90    | 110   |     |       |      |
| WG455841CCB3    | CCB  | 09/07/18 13:52 |            |        |        | U      | mg/L  |      | -0.05 | 0.05  |     |       |      |
| WG455841LFB2    | LFB  | 09/07/18 14:01 | WI180905-1 | 10     |        | 9.938  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG455841CCV4    | CCV  | 09/07/18 14:08 | WI180626-1 | 10     |        | 10.392 | mg/L  | 104  | 90    | 110   |     |       |      |
| WG455841CCB4    | CCB  | 09/07/18 14:10 |            |        |        | U      | mg/L  |      | -0.05 | 0.05  |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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.

**Nitrogen, total Kjeldahl**

M351.2 - TKN by Block Digester

| ACZ ID          | Type | Analyzed      | PCN/SCN     | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|---------------|-------------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG456099</b> |      |               |             |     |        |       |       |      |       |       |     |       |      |
| WG456099ICV     | ICV  | 09/12/18 0:58 | WI180905-5  | 4   |        | 4.02  | mg/L  | 101  | 90    | 110   |     |       |      |
| WG456099ICB     | ICB  | 09/12/18 1:00 |             |     |        | U     | mg/L  |      | -0.1  | 0.1   |     |       |      |
| WG455814LRB     | LRB  | 09/12/18 1:01 |             |     |        | U     | mg/L  |      | -0.1  | 0.1   |     |       |      |
| WG455814LFB     | LFB  | 09/12/18 1:02 | WI180803-10 | 2.5 |        | 2.43  | mg/L  | 97   | 90    | 110   |     |       |      |
| WG456099CCV1    | CCV  | 09/12/18 1:12 | WI180905-3  | 2.5 |        | 2.49  | mg/L  | 100  | 90    | 110   |     |       |      |
| WG456099CCB1    | CCB  | 09/12/18 1:13 |             |     |        | U     | mg/L  |      | -0.1  | 0.1   |     |       |      |
| L46634-07LFM    | LFM  | 09/12/18 1:20 | WI180803-10 | 2.5 | U      | 3     | mg/L  | 120  | 90    | 110   |     |       | M1   |
| L46634-08DUP    | DUP  | 09/12/18 1:22 |             |     | .2     | .26   | mg/L  |      |       |       | 26  | 20    | RA   |
| WG456099CCV2    | CCV  | 09/12/18 1:25 | WI180905-3  | 2.5 |        | 2.41  | mg/L  | 96   | 90    | 110   |     |       |      |
| WG456099CCB2    | CCB  | 09/12/18 1:27 |             |     |        | U     | mg/L  |      | -0.1  | 0.1   |     |       |      |
| WG456099CCV3    | CCV  | 09/12/18 1:35 | WI180905-3  | 2.5 |        | 2.48  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG456099CCB3    | CCB  | 09/12/18 1:36 |             |     |        | U     | mg/L  |      | -0.1  | 0.1   |     |       |      |

**pH (lab)**

SM4500H+ B

| ACZ ID          | Type | Analyzed       | PCN/SCN  | QC   | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|----------|------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG455878</b> |      |                |          |      |        |       |       |      |       |       |     |       |      |
| WG455878LCSW1   | LCSW | 09/07/18 16:15 | PCN55475 | 6.01 |        | 6.1   | units | 101  | 5.9   | 6.1   |     |       |      |
| L46701-02DUP    | DUP  | 09/07/18 17:33 |          |      | 7.1    | 7.1   | units |      |       |       | 0   | 20    |      |
| WG455878LCSW4   | LCSW | 09/07/18 19:02 | PCN55475 | 6.01 |        | 6.1   | units | 101  | 5.9   | 6.1   |     |       |      |
| WG455878LCSW7   | LCSW | 09/07/18 21:23 | PCN55475 | 6.01 |        | 6.1   | units | 101  | 5.9   | 6.1   |     |       |      |

**Potassium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG456162</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG456162ICV     | ICV  | 09/13/18 11:44 | II180824-2 | 20       |        | 19.82 | mg/L  | 99   | 95    | 105   |     |       |      |
| WG456162ICB     | ICB  | 09/13/18 11:50 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG456162PQV     | PQV  | 09/13/18 11:53 | II180831-2 | 1.002    |        | .99   | mg/L  | 99   | 70    | 130   |     |       |      |
| WG456162SIC     | SIC  | 09/13/18 11:56 | II180821-4 | 1.002    |        | .98   | mg/L  | 98   | 80    | 120   |     |       |      |
| WG456162LFB     | LFB  | 09/13/18 12:02 | II180827-2 | 101.3833 |        | 101.4 | mg/L  | 100  | 85    | 115   |     |       |      |
| WG456162CCV1    | CCV  | 09/13/18 12:32 | II180831-3 | 10       |        | 10.14 | mg/L  | 101  | 90    | 110   |     |       |      |
| WG456162CCB1    | CCB  | 09/13/18 12:35 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| L45307-08AS     | AS   | 09/13/18 13:05 | II180827-2 | 101.3833 | 1.5    | 106.8 | mg/L  | 104  | 85    | 115   |     |       |      |
| WG456162CCV2    | CCV  | 09/13/18 13:08 | II180831-3 | 10       |        | 10.15 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG456162CCB2    | CCB  | 09/13/18 13:11 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| L45307-08ASD    | ASD  | 09/13/18 13:14 | II180827-2 | 101.3833 | 1.5    | 108.9 | mg/L  | 106  | 85    | 115   | 2   | 20    |      |
| WG456162CCV3    | CCV  | 09/13/18 13:29 | II180831-3 | 10       |        | 10.29 | mg/L  | 103  | 90    | 110   |     |       |      |
| WG456162CCB3    | CCB  | 09/13/18 13:32 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |

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

SM2540C

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC  | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|-----|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG455733</b> |      |                |            |     |        |       |       |      |       |       |     |       |      |
| WG455733PBW     | PBW  | 09/06/18 10:30 |            |     |        | U     | mg/L  |      | -20   | 20    |     |       |      |
| WG455733LCSW    | LCSW | 09/06/18 10:32 | PCN56353   | 260 |        | 264   | mg/L  | 102  | 80    | 120   |     |       |      |
| WG455733PQV     | PQV  | 09/06/18 10:35 | WC180831-5 | 20  |        | 22    | mg/L  | 110  | 50    | 150   |     |       |      |
| L46713-02DUP    | DUP  | 09/06/18 11:02 |            |     | 346    | 346   | mg/L  |      |       |       | 0   | 10    |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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>WG456416</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG456416ICV     | ICV  | 09/15/18 11:14 | MS180914-2 | .02004 |        | .01848  | mg/L  | 92   | 90       | 110     |     |       |      |
| WG456416ICB     | ICB  | 09/15/18 11:16 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG456416LFB     | LFB  | 09/15/18 11:18 | MS180830-2 | .01002 |        | .00853  | mg/L  | 85   | 85       | 115     |     |       |      |
| L46714-01AS     | AS   | 09/15/18 11:23 | MS180830-2 | .01002 | U      | .008947 | mg/L  | 89   | 70       | 130     |     |       |      |
| L46714-01ASD    | ASD  | 09/15/18 11:25 | MS180830-2 | .01002 | U      | .009045 | mg/L  | 90   | 70       | 130     | 1   | 20    |      |
| WG456416CCV1    | CCV  | 09/15/18 11:32 | MS180808-2 | .0251  |        | .025695 | mg/L  | 102  | 90       | 110     |     |       |      |
| WG456416CCB1    | CCB  | 09/15/18 11:34 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG456416CCV2    | CCV  | 09/15/18 11:54 | MS180808-2 | .0251  |        | .023726 | mg/L  | 95   | 90       | 110     |     |       |      |
| WG456416CCB2    | CCB  | 09/15/18 11:56 |            |        |        | .000338 | mg/L  |      | -0.00015 | 0.00015 |     |       | BE   |
| WG456416CCV3    | CCV  | 09/15/18 12:10 | MS180808-2 | .0251  |        | .022089 | mg/L  | 88   | 90       | 110     |     |       |      |
| WG456416CCB3    | CCB  | 09/15/18 12:12 |            |        |        | .000283 | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Silver, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC     | Sample | Found   | Units | Rec% | Lower    | Upper   | RPD | Limit | Qual |
|-----------------|------|----------------|------------|--------|--------|---------|-------|------|----------|---------|-----|-------|------|
| <b>WG456689</b> |      |                |            |        |        |         |       |      |          |         |     |       |      |
| WG456689ICV     | ICV  | 09/19/18 13:03 | MS180914-2 | .02004 |        | .021279 | mg/L  | 106  | 90       | 110     |     |       |      |
| WG456689ICB     | ICB  | 09/19/18 13:05 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG456358LRB     | LRB  | 09/19/18 13:07 |            |        |        | U       | mg/L  |      | -0.00011 | 0.00011 |     |       |      |
| WG456358LFB     | LFB  | 09/19/18 13:08 | MS180830-2 | .01002 |        | .010084 | mg/L  | 101  | 85       | 115     |     |       |      |
| L46687-01LFM    | LFM  | 09/19/18 13:15 | MS180830-2 | .01002 | U      | .007289 | mg/L  | 73   | 70       | 130     |     |       |      |
| L46687-01LFMD   | LFMD | 09/19/18 13:17 | MS180830-2 | .01002 | U      | .007362 | mg/L  | 73   | 70       | 130     | 1   | 20    |      |
| WG456689CCV1    | CCV  | 09/19/18 13:24 | MS180808-2 | .0251  |        | .024922 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG456689CCB1    | CCB  | 09/19/18 13:25 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |
| WG456689CCV2    | CCV  | 09/19/18 13:34 | MS180808-2 | .0251  |        | .024937 | mg/L  | 99   | 90       | 110     |     |       |      |
| WG456689CCB2    | CCB  | 09/19/18 13:36 |            |        |        | U       | mg/L  |      | -0.00015 | 0.00015 |     |       |      |

**Sodium, dissolved**

M200.7 ICP

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC       | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|----------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG456162</b> |      |                |            |          |        |       |       |      |       |       |     |       |      |
| WG456162ICV     | ICV  | 09/13/18 11:44 | II180824-2 | 100      |        | 99.6  | mg/L  | 100  | 95    | 105   |     |       |      |
| WG456162ICB     | ICB  | 09/13/18 11:50 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| WG456162PQV     | PQV  | 09/13/18 11:53 | II180831-2 | .998     |        | 1.04  | mg/L  | 104  | 70    | 130   |     |       |      |
| WG456162SIC     | SIC  | 09/13/18 11:56 | II180821-4 | .998     |        | 1.07  | mg/L  | 107  | 80    | 120   |     |       |      |
| WG456162LFB     | LFB  | 09/13/18 12:02 | II180827-2 | 100.8796 |        | 101.7 | mg/L  | 101  | 85    | 115   |     |       |      |
| WG456162CCV1    | CCV  | 09/13/18 12:32 | II180831-3 | 50       |        | 51.15 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG456162CCB1    | CCB  | 09/13/18 12:35 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| L45307-08AS     | AS   | 09/13/18 13:05 | II180827-2 | 100.8796 | 106    | 206.4 | mg/L  | 100  | 85    | 115   |     |       |      |
| WG456162CCV2    | CCV  | 09/13/18 13:08 | II180831-3 | 50       |        | 50.98 | mg/L  | 102  | 90    | 110   |     |       |      |
| WG456162CCB2    | CCB  | 09/13/18 13:11 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |
| L45307-08ASD    | ASD  | 09/13/18 13:14 | II180827-2 | 100.8796 | 106    | 209   | mg/L  | 102  | 85    | 115   | 1   | 20    |      |
| WG456162CCV3    | CCV  | 09/13/18 13:29 | II180831-3 | 50       |        | 51.43 | mg/L  | 103  | 90    | 110   |     |       |      |
| WG456162CCB3    | CCB  | 09/13/18 13:32 |            |          |        | U     | mg/L  |      | -0.6  | 0.6   |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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**

M300.0 - Ion Chromatography

| ACZ ID          | Type | Analyzed       | PCN/SCN     | QC    | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|-------------|-------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG456620</b> |      |                |             |       |        |       |       |      |       |       |     |       |      |
| WG456620CCV1    | CCV  | 09/18/18 18:16 | WI180918-4  | 50    |        | 48.6  | mg/L  | 97   | 90    | 110   |     |       |      |
| WG456620CCB1    | CCB  | 09/18/18 18:34 |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456620PQV     | PQV  | 09/18/18 18:52 | WI180820-5  | 2.006 |        | 2.52  | mg/L  | 126  | 70    | 130   |     |       |      |
| WG456620LFB1    | LFB  | 09/18/18 19:10 | WI180430-12 | 30    |        | 29.6  | mg/L  | 99   | 90    | 110   |     |       | BA   |
| WG456620CCV2    | CCV  | 09/18/18 21:51 | WI180918-4  | 50    |        | 49    | mg/L  | 98   | 90    | 110   |     |       |      |
| WG456620CCB2    | CCB  | 09/18/18 22:09 |             |       |        | .43   | mg/L  |      | -0.4  | 0.4   |     |       | BA   |
| L46577-01DUP    | DUP  | 09/18/18 23:56 |             |       | 709    | 710   | mg/L  |      |       |       | 0   | 20    |      |
| L46577-02AS     | AS   | 09/19/18 0:32  | WI180430-12 | 300   | 448    | 728   | mg/L  | 93   | 90    | 110   |     |       |      |
| WG456620CCV3    | CCV  | 09/19/18 1:26  | WI180918-4  | 50    |        | 50.4  | mg/L  | 101  | 90    | 110   |     |       |      |
| WG456620CCB3    | CCB  | 09/19/18 1:44  |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456620LFB2    | LFB  | 09/19/18 3:49  | WI180430-12 | 30    |        | 29.8  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG456620CCV4    | CCV  | 09/19/18 5:01  | WI180918-4  | 50    |        | 48.9  | mg/L  | 98   | 90    | 110   |     |       |      |
| WG456620CCB4    | CCB  | 09/19/18 5:19  |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456620CCV5    | CCV  | 09/19/18 8:18  | WI180918-4  | 50    |        | 49.3  | mg/L  | 99   | 90    | 110   |     |       |      |
| WG456620CCB5    | CCB  | 09/19/18 8:36  |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456620CCV6    | CCV  | 09/19/18 11:31 | WI180918-4  | 50    |        | 48.7  | mg/L  | 97   | 90    | 110   |     |       |      |
| WG456620CCB6    | CCB  | 09/19/18 11:49 |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |
| WG456620PQV1    | PQV  | 09/19/18 12:07 | WI180820-5  | 2.006 |        | 2.34  | mg/L  | 117  | 70    | 130   |     |       |      |
| WG456620CCV7    | CCV  | 09/19/18 14:30 | WI180918-4  | 50    |        | 48.9  | mg/L  | 98   | 90    | 110   |     |       |      |
| WG456620CCB7    | CCB  | 09/19/18 14:48 |             |       |        | U     | mg/L  |      | -0.4  | 0.4   |     |       |      |

**Sulfide as S**

SM4500S2-D

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC         | Sample | Found | Units | Rec% | Lower | Upper | RPD | Limit | Qual |
|-----------------|------|----------------|------------|------------|--------|-------|-------|------|-------|-------|-----|-------|------|
| <b>WG455734</b> |      |                |            |            |        |       |       |      |       |       |     |       |      |
| WG455734ICV     | ICV  | 09/06/18 10:30 | WC180906-3 | .284       |        | .292  | mg/L  | 103  | 90    | 110   |     |       |      |
| WG455734ICB     | ICB  | 09/06/18 10:37 |            |            |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG455734LFB1    | LFB  | 09/06/18 10:45 | WC180906-6 | .2053333   |        | .236  | mg/L  | 115  | 80    | 120   |     |       |      |
| WG455734CCV1    | CCV  | 09/06/18 12:05 | WC180906-4 | .154       |        | .166  | mg/L  | 108  | 90    | 110   |     |       |      |
| WG455734CCB1    | CCB  | 09/06/18 12:13 |            |            |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG455734CCV2    | CCV  | 09/06/18 13:40 | WC180906-4 | .154       |        | .167  | mg/L  | 108  | 90    | 110   |     |       |      |
| WG455734CCB2    | CCB  | 09/06/18 13:48 |            |            |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| L46713-03AS     | AS   | 09/06/18 14:20 | WC180906-6 | .769999875 | U      | .863  | mg/L  | 112  | 75    | 125   |     |       |      |
| L46713-03DUP    | DUP  | 09/06/18 14:28 |            |            | U      | U     | mg/L  |      |       |       | 0   | 20    | RA   |
| WG455734LFB2    | LFB  | 09/06/18 14:35 | WC180906-6 | .2053333   |        | .233  | mg/L  | 113  | 80    | 120   |     |       |      |
| WG455734CCV3    | CCV  | 09/06/18 15:15 | WC180906-4 | .154       |        | .168  | mg/L  | 109  | 90    | 110   |     |       |      |
| WG455734CCB3    | CCB  | 09/06/18 15:23 |            |            |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |
| WG455734CCV4    | CCV  | 09/06/18 16:27 | WC180906-4 | .154       |        | .167  | mg/L  | 108  | 90    | 110   |     |       |      |
| WG455734CCB4    | CCB  | 09/06/18 16:34 |            |            |        | U     | mg/L  |      | -0.06 | 0.06  |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG456416</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG456416ICV     | ICV  | 09/15/18 11:14 | MS180914-2 | .05     |        | .0494 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG456416ICB     | ICB  | 09/15/18 11:16 |            |         |        | U     | mg/L  |      | -0.0044 | 0.0044 |     |       |      |
| WG456416LFB     | LFB  | 09/15/18 11:18 | MS180830-2 | .050075 |        | .047  | mg/L  | 94   | 85      | 115    |     |       |      |
| L46714-01AS     | AS   | 09/15/18 11:23 | MS180830-2 | .050075 | .01    | .0594 | mg/L  | 99   | 70      | 130    |     |       |      |
| L46714-01ASD    | ASD  | 09/15/18 11:25 | MS180830-2 | .050075 | .01    | .0597 | mg/L  | 99   | 70      | 130    | 1   | 20    |      |
| WG456416CCV1    | CCV  | 09/15/18 11:32 | MS180808-2 | .50075  |        | .4901 | mg/L  | 98   | 90      | 110    |     |       |      |
| WG456416CCB1    | CCB  | 09/15/18 11:34 |            |         |        | U     | mg/L  |      | -0.006  | 0.006  |     |       |      |
| WG456416CCV2    | CCV  | 09/15/18 11:54 | MS180808-2 | .50075  |        | .4758 | mg/L  | 95   | 90      | 110    |     |       |      |
| WG456416CCB2    | CCB  | 09/15/18 11:56 |            |         |        | U     | mg/L  |      | -0.006  | 0.006  |     |       |      |
| WG456416CCV3    | CCV  | 09/15/18 12:10 | MS180808-2 | .50075  |        | .5012 | mg/L  | 100  | 90      | 110    |     |       |      |
| WG456416CCB3    | CCB  | 09/15/18 12:12 |            |         |        | U     | mg/L  |      | -0.006  | 0.006  |     |       |      |

**Zinc, total recoverable**

M200.8 ICP-MS

| ACZ ID          | Type | Analyzed       | PCN/SCN    | QC      | Sample | Found | Units | Rec% | Lower   | Upper  | RPD | Limit | Qual |
|-----------------|------|----------------|------------|---------|--------|-------|-------|------|---------|--------|-----|-------|------|
| <b>WG456522</b> |      |                |            |         |        |       |       |      |         |        |     |       |      |
| WG456522ICV     | ICV  | 09/17/18 18:07 | MS180914-2 | .05     |        | .0509 | mg/L  | 102  | 90      | 110    |     |       |      |
| WG456522ICB     | ICB  | 09/17/18 18:10 |            |         |        | U     | mg/L  |      | -0.006  | 0.006  |     |       |      |
| WG456358LRB     | LRB  | 09/17/18 18:13 |            |         |        | .0024 | mg/L  |      | -0.0044 | 0.0044 |     |       |      |
| WG456358LFB     | LFB  | 09/17/18 18:16 | MS180830-2 | .050075 |        | .0513 | mg/L  | 102  | 85      | 115    |     |       |      |
| L46687-01LFM    | LFM  | 09/17/18 18:29 | MS180830-2 | .050075 | .006   | .0502 | mg/L  | 88   | 70      | 130    |     |       |      |
| L46687-01LFMD   | LFMD | 09/17/18 18:32 | MS180830-2 | .050075 | .006   | .0498 | mg/L  | 87   | 70      | 130    | 1   | 20    |      |
| WG456522CCV1    | CCV  | 09/17/18 18:41 | MS180808-2 | .50075  |        | .4973 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG456522CCB1    | CCB  | 09/17/18 18:44 |            |         |        | U     | mg/L  |      | -0.006  | 0.006  |     |       |      |
| WG456522CCV2    | CCV  | 09/17/18 19:18 | MS180808-2 | .50075  |        | .4931 | mg/L  | 98   | 90      | 110    |     |       |      |
| WG456522CCB2    | CCB  | 09/17/18 19:21 |            |         |        | U     | mg/L  |      | -0.006  | 0.006  |     |       |      |
| WG456522CCV3    | CCV  | 09/17/18 19:43 | MS180808-2 | .50075  |        | .4947 | mg/L  | 99   | 90      | 110    |     |       |      |
| WG456522CCB3    | CCB  | 09/17/18 19:46 |            |         |        | U     | mg/L  |      | -0.006  | 0.006  |     |       |      |

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

| ACZ ID    | WORKNUM  | PARAMETER                       | METHOD                                 | QUAL | DESCRIPTION                                                                                                                                                                                           |
|-----------|----------|---------------------------------|----------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L46696-01 | WG456010 | Chloride                        | M300.0 - Ion Chromatography            | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG455928 | Fluoride                        | SM4500F-C                              | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG456479 | Iron, total recoverable         | 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. |
|           | WG456389 | Manganese, dissolved            | M200.7 ICP                             | LA   | Recovery for target analyte in the control sample (LCS or LFB) exceeded the acceptance criteria. Target analyte was not detected in the sample [ $\leq$ MDL].                                         |
|           |          |                                 | M200.7 ICP                             | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|           | WG456479 | Manganese, total recoverable    | 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. |
|           | WG456244 | Mercury, total                  | M245.1 CVAA                            | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                             |
|           | WG455691 | Nitrate/Nitrite as N, dissolved | M353.2 - Automated Cadmium Reduction   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           |          | Nitrite as N, dissolved         | M353.2 - Automated Cadmium Reduction   | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG455841 | Nitrogen, ammonia               | M350.1 Auto Salicylate w/gas diffusion | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG456099 | Nitrogen, total Kjeldahl        | M351.2 - TKN by Block Digester         | M1   | Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.                                                                                            |
|           |          |                                 | M351.2 - TKN by Block Digester         | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |
|           | WG455734 | Sulfide as S                    | SM4500S2-D                             | QD   | Reported value is the background-corrected concentration, as described by the method.                                                                                                                 |
|           |          |                                 | SM4500S2-D                             | RA   | Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).                                 |

**Rio Grande Silver, Inc.**

Project ID: BO40519

Sample ID: HW-2

ACZ Sample ID: **L46696-01**

Date Sampled: 09/04/18 10:15

Date Received: 09/05/18

Sample Matrix: Groundwater

**Oil & Grease, Total Recoverable**

Analysis Method: **1664A - Gravimetric**

Extract Method:

Workgroup: **WG456057**

Analyst: RGT

Extract Date:

Analysis Date: 09/11/18 13:49

| Compound       | CAS | Result | QUAL | Dilution | XQ | Units | MDL | PQL |
|----------------|-----|--------|------|----------|----|-------|-----|-----|
| Oil and Grease |     |        | U    | 1        | *  | mg/L  | 2   | 10  |


**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>LCL</i>     | Lower Control Limit                                                                                                                                           |
| <i>MDL</i>     | Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #4)<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>     | Amount of the true value or spike added recovered, 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>UCL</i>     | Upper Control Limit                                                                                                                                           |
| <i>Sample</i>  | Value of the Sample of interest                                                                                                                               |

**QC Sample Types**

|             |                                   |               |                                       |
|-------------|-----------------------------------|---------------|---------------------------------------|
| <i>SURR</i> | Surrogate                         | <i>LFM</i>    | Laboratory Fortified Matrix           |
| <i>INTS</i> | Internal Standard                 | <i>LFMD</i>   | Laboratory Fortified Matrix Duplicate |
| <i>DUP</i>  | Sample Duplicate                  | <i>LRB</i>    | Laboratory Reagent Blank              |
| <i>LCSS</i> | Laboratory Control Sample - Soil  | <i>MS/MSD</i> | Matrix Spike/Matrix Spike Duplicate   |
| <i>LCSW</i> | Laboratory Control Sample - Water | <i>PBS</i>    | Prep Blank - Soil                     |
| <i>LFB</i>  | Laboratory Fortified Blank        | <i>PBW</i>    | Prep Blank - Water                    |

**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.                                                 |

**ACZ Qualifiers (Qual)**

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| O | Analyte concentration is estimated due to result exceeding calibration range.                                                                                                               |
| H | Analysis exceeded method hold time. pH is a field test with an immediate hold time.                                                                                                         |
| J | Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.                                                                               |
| 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 600/4-90/020. Methods for the Determination of Organic Compounds in Drinking Water (I), July 1990.
- (3) EPA 600/R-92/129. Methods for the Determination of Organic Compounds in Drinking Water (II), July 1990.
- (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) Excluding Oil & Grease, solid & biological matrices for organic analyses are reported on a wet weight basis.
- (3) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
- (4) 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:

<http://www.acz.com/public/extquallist.pdf>

Rio Grande Silver, Inc.

ACZ Project ID: **L46696**

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.

**Oil & Grease, Total Recoverable**

1664A - Gravimetric

**WG456057**

|                |                        |        |       |                     |      |       |                          |     |       |      |
|----------------|------------------------|--------|-------|---------------------|------|-------|--------------------------|-----|-------|------|
| MS             | Sample ID: L46724-01MS |        |       | PCN/SCN: OP180907-2 |      |       | Analyzed: 09/11/18 14:38 |     |       |      |
| Compound       | QC                     | Sample | Found | Units               | Rec% | Lower | Upper                    | RPD | Limit | Qual |
| OIL AND GREASE | 40                     | U      | 29.4  | mg/L                | 74.0 | 78    | 114                      |     |       | M2   |

|                |                         |        |       |                     |      |       |                          |     |       |      |
|----------------|-------------------------|--------|-------|---------------------|------|-------|--------------------------|-----|-------|------|
| LCSW           | Sample ID: WG456057LCSW |        |       | PCN/SCN: OP180907-2 |      |       | Analyzed: 09/11/18 17:06 |     |       |      |
| Compound       | QC                      | Sample | Found | Units               | Rec% | Lower | Upper                    | RPD | Limit | Qual |
| OIL AND GREASE | 40                      |        | 37.6  | mg/L                | 94.0 | 78    | 114                      |     |       |      |

|                |                          |        |       |                     |      |       |                          |     |       |      |
|----------------|--------------------------|--------|-------|---------------------|------|-------|--------------------------|-----|-------|------|
| LCSWD          | Sample ID: WG456057LCSWD |        |       | PCN/SCN: OP180907-2 |      |       | Analyzed: 09/11/18 17:30 |     |       |      |
| Compound       | QC                       | Sample | Found | Units               | Rec% | Lower | Upper                    | RPD | Limit | Qual |
| OIL AND GREASE | 40                       |        | 37.5  | mg/L                | 94.0 | 78    | 114                      | 0   | 18    |      |

|                |                        |        |       |                     |      |       |                          |     |       |      |
|----------------|------------------------|--------|-------|---------------------|------|-------|--------------------------|-----|-------|------|
| PBW            | Sample ID: WG456057PBW |        |       | PCN/SCN: OP180907-2 |      |       | Analyzed: 09/11/18 13:00 |     |       |      |
| Compound       | QC                     | Sample | Found | Units               | Rec% | Lower | Upper                    | RPD | Limit | Qual |
| OIL AND GREASE |                        |        | U     | mg/L                |      |       |                          |     |       |      |

ACZ Project ID: **L46696**

| ACZ ID    | WORKNUM  | PARAMETER      | METHOD              | QUAL | DESCRIPTION                                                                                               |
|-----------|----------|----------------|---------------------|------|-----------------------------------------------------------------------------------------------------------|
| L46696-01 | WG456057 | Oil and Grease | 1664A - Gravimetric | M2   | Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable. |

**Rio Grande Silver, Inc.**

ACZ Project ID: **L46696**

No certification qualifiers associated with this analysis

Rio Grande Silver, Inc.  
BO40519

ACZ Project ID: L46696

Date Received: 09/05/2018 10:52

Received By:

Date Printed: 9/6/2018

#### 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? |
|-----------|-----------|-----------------------|-------------|-------------------------|
| -----     | -----     | -----                 | -----       | -----                   |
| 4513      | 2.1       | <=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.

Rio Grande Silver, Inc.  
BO40519

ACZ Project ID: L46696

Date Received: 09/05/2018 10:52

Received By:

Date Printed: 9/6/2018

<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).

**ACZ****Laboratories, Inc.**

L46696

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

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

Name: Randy McClure

Company: Rio Grande Silver, Inc.

E-mail: rmccclure@hecla-mining.com

Address: 625 USFS Road 504. 1A

Creede, CO 81130

Telephone: 719-658-1080

**Copy of Report to:**

Name: Janet Shangraw

Company: JNS, Inc.

E-mail: jshangraw@comcast.net

Telephone: 303-972-8596

**Invoice to:**

Name: Randy McClure

Company: Rio Grande Silver, Inc.

E-mail: rmccclure@hecla-mining.com

Address: 625 USFS Road 504. 1A

Creede, CO 81130

Telephone: 719-658-1080

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: Randy McClure

Sampler's Site Information

State CO

Zip code 81130

Time Zone mst

\*Sampler's Signature: \_\_\_\_\_

\*I attest to the authenticity and validity of this sample. I understand that 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 #: Rio Grande - GW - 2018

PO#: BO40519

Reporting state for compliance testing:

Check box if samples include NRC licensed material? ☐

| SAMPLE IDENTIFICATION | DATE:TIME       | Matrix | # of Containers |                                     |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|-----------------------|-----------------|--------|-----------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| HW-2                  | 9/4/18 10:15 am | GW     | 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"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                       |                 |        |                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <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**

GW samples and any listed trip blanks should be included on one report. There may be more than one cooler for this COC. Please send an additional copy of the report to rmccclure@hecla-mining.com

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

RELINQUISHED BY:

DATE:TIME

RECEIVED BY:

DATE:TIME

Randy McClure

9/4/18 11:00 am

LAS

9/5/18 10:52

FRMAD050.03.14.13

White - Return with sample.

Yellow - Retain for your records.