



Cripple Creek & Victor  
Gold Mining Company  
P.O. Box 191  
100 North 3<sup>rd</sup> Street  
Victor, Colorado 80860

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October 28, 2024

SENT VIA EMAIL

Mr. Elliott Russell  
Environmental Protection Specialist  
Colorado Department of Natural Resources  
Division of Reclamation, Mining, and Safety  
Office of Mined Land Reclamation  
1313 Sherman Street, Room 215  
Denver, Colorado 80203

Re: Monthly Grassy Valley September 2024 Report Submission, October 28, 2024

Dear Mr. Russell,

Newmont Corporation's Cripple Creek & Victor Gold Mining Company (CC&V) hereby provides the Grassy Valley Monthly Monitoring Report, as requested by the Division of Reclamation Mining and Safety (Division), beginning in the fourth quarter 2021. The monthly monitoring report has been expanded in response to the *Corrective Actions Required; Grassy Valley GVMW-25 Monthly Sampling August 2022* issued to the Division on September 30, 2022. The monthly monitoring has been further expanded in response to the *Additional Information Required and Issuance of Corrective Action, Grassy Valley Groundwater and Surface Water Monitoring Report September 2023*, dated November 22, 2023. Data within this report has been collected as outlined in the Grassy Valley Monthly Monitoring Plan, approved as TR-132 by the Division on March 10, 2023.

## METHODOLOGY

In September 2024, CC&V monitored all accessible and applicable groundwater and surface water locations and collected all possible samples as part of the Grassy Valley monitoring program.

Monitoring locations are displayed on the Location Maps (Figures) and a summary of the status of each (groundwater and surface water) is provided in Table 1.

During the September monitoring period, CC&V was unable to collect water samples from the following monitoring locations for the respective reasons:

- GVMW-24A had sediment-laden water that caused the pump to overheat and malfunction;
- GVMW-15C was dry;
- GVMW-29 and GVMW-31 were dry and GVMW-32 had insufficient water to sample;
- GVMW-35A was not sampled as the well was not developed by the end of the monitoring period as it was recently drilled;
- OSABH-12, OSABH-14, and OSABH-18 were dry;
- EMP-17, EMP-17A, EMP-17C, and EMP-020 were dry; and
- GV-02 and GV-03 had no observed flowing water.



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### **Groundwater Level Measurements**

Prior to the collection of groundwater samples, depth to groundwater was measured using a Geotech™ water level indicator. The water level indicator was decontaminated with Alconox™ soap and rinsed with de-ionized water prior to each measurement to prevent cross contamination.

### **Groundwater Sampling**

CC&V utilized both dedicated and deployable pumps to purge water and collect groundwater samples. Samples were collected using either the low-flow, volumetric, or purge and return sampling methods described in the *Quality Assurance Project Plan (QAPP)* dated February 27, 2023.

Groundwater samples were collected by filling both preserved and unpreserved laboratory-supplied sample containers with the appropriate amount of water and then capping to prevent sample degradation. Samples were labeled with date and time of sample collection, sample location, sample identification (ID#), initials of sample collector, whether the sample was filtered, and type of preservative used. Samples were sealed, packed on ice and submitted to SVL Analytical Inc. in Kellogg, Idaho for analysis of parameters listed in Table 3.1 – Groundwater Monitoring Parameters of the QAPP. Proper chain-of custody (COC) procedures were followed as described in Section 9.5 of the QAPP.

### **Surface Water Sampling**

CC&V collected grab samples from the mid-depth of the middle of the stream, as applicable, from surface water monitoring locations in accordance with the QAPP. An estimate of flow rate of water at each stream was recorded, along with general appearance of water at each monitoring location (turbidity, color, etc.). If a monitoring location had no visible flow, it was recorded as dry or frozen and not sampled.

### **QA/QC Samples**

CC&V collected three quality assurance/quality control (QA/QC) samples in September 2024 (included in Attachment 1). Two duplicate samples and one rinse blank sample were collected per section 6.0 of the approved QAPP.

## **RESULTS**

Analytical results are compared to applicable standards in Table 2 for groundwater samples and in Attachment 2 for surface water samples. Complete laboratory analytical reports from the September 2024 sampling event are included in Attachment 1 and field-collected data is presented on the sampling logs in Attachment 3.

## **DISCUSSION**

### **Groundwater**

Observed groundwater quality data continues to show similar trends to previously recorded data with highest concentrations around October, then declining throughout the year.

Trend graphs of various constituents from the GVMW-25 monitoring location, within the property boundaries, are presented in Attachment 4. In general, results at the GVMW-25 location show an



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increasing trend in concentrations as they approach the highest flow rates of the year. Aluminum, beryllium, cadmium, cobalt, copper, fluoride, iron, lead, manganese nickel, nitrate, selenium, sulfate, uranium, and zinc concentrations have increased compared to August 2024. Arsenic and chromium concentrations decreased slightly compared to August 2024. All other constituents remained consistent with the August 2024 results. Ammonia, antimony, cyanide, mercury, molybdenum, silver, thallium, and vanadium concentrations were not detected in the September 2024 samples.

Water quality monitoring results from wells GVMW-15B were consistent with previous records in shallow groundwater. At the shallow interval in GVMW-15B (total depth 102 feet bgs), the groundwater concentrations were greater than the Regulation 41 Table Value Standards (TVS) (The Basic Standards for Groundwater) for beryllium and cobalt and greater than the existing site-wide Numeric Protection Limit (NPL) for iron. pH values recorded in August 2024 were also outside the range of the current site-wide NPL.

Water quality monitoring results from wells OSABH-17 were consistent with previous records in the shallow groundwater. Groundwater quality at this location is similar to that observed at the surface seep locations.

GVMW-10 sulfate and uranium concentrations were greater than the Regulation 41 TVS. GVMW-8B and GVMW-22A fluoride concentrations were also greater than the TVS.

At the deeper well, GVMW-15A, iron concentrations were higher than the existing site-wide NPL. It should be noted that the sounded depth of the well (682 feet. bgs) is above the well completion report documented screen interval, thus the pump could not be placed at the mid screen depth to collect appropriate samples. Water level stabilization was not achieved during sample collection and the purged water was noted to have a rusty color. CC&V hypothesizes that the water within the casing of GVMW-15A may be semi-stagnant based and the low-flow samplings results encountered during the dewatering of the well. Samples collected from this well may not be representative of the aquifer conditions.

A sample was collected from GVMW-4A during the September 2024 sampling event, but stabilization of constituents was not achieved during the low-flow collection process. It should be noted that the total recorded depth of the well is above the screen interval, thus the pump could not be placed at the mid screen depth to collect samples. Water level stabilization was achieved, but CC&V opted to collect a sample without stabilization of parameters in order to collect a sample and evaluate the water quality from this location.

Analytical results from the point-of-compliance wells (GVMW-26A and GVMW-26B) are compliant with all applicable standards.



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### ***Newly Constructed Monitoring Wells***

During the September monitoring event, samples were collected from the newly installed monitoring wells in the Grassy Valley for the first time. These wells include GVMW-27, GVMW-28, GVMW-30, GVMW-33, GVMW-34, GVMW-35B, GVMW-36, GVMW-37A, and GVMW-37B. Water quality for these wells is included in Table 2 as compared to the existing NPL's and TVS. It should be noted that baseline of conditions for these wells have not yet been established.

### **Surface water**

Flowing water was observed at the GV-06, GV-4.5 and GV-05 monitoring locations in September of 2024 and samples were collected. Monitoring locations GV-03 and GV-02 did not have flowing water, and no samples were collected. Monitoring location GV-06 and GV-4.5 exceeded Regulation 32 standards (Classification and Numeric Standards for Arkansas River Basin) for dissolved iron. GV-4.5 exceeded the Regulation 32 standard for total iron and the recorded pH was outside the specified range.

### **Stormwater Detention Ponds**

EMP-16, an internal stormwater detention pond, was sampled during the monitoring period. Results indicated aluminum, arsenic, beryllium, cadmium, cobalt, copper, fluoride, lead, manganese, nickel, pH, sulfate, uranium and zinc concentrations were greater than either the TVS or NPL's. It should be noted that EMP-17B is currently being pumped dry. All other EMP were dry during the monitoring period and therefore no samples were collected.

Should you require further information please do not hesitate to contact Joshua Adams at 719.323.0438 or [Joshua.Adams@Newmont.com](mailto:Joshua.Adams@Newmont.com) or myself at 719.851.4048 or [Katie.Blake@Newmont.com](mailto:Katie.Blake@Newmont.com)

Sincerely,

p.p. FD42D9E12B1147D...

Katie Blake  
Sustainability & External Relations Manager  
Cripple Creek and Victor Gold Mining Company

EC: P. Lennberg  
E. Russell  
Z. Trujillo  
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A. Matarrese



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## Figures



**LEGEND**

- MONITORING WELL
- PERMIT BOUNDARY

**General Notes**

|     |                |      |
|-----|----------------|------|
| No. | Revision/Issue | Date |
|     |                |      |

Firm Name and Address

**Newmont**  
CRIPPLE CREEK & VICTOR

Drawing Name

**GRASSY VALLEY  
MONITORING WELLS**

|                                     |                    |
|-------------------------------------|--------------------|
| Project<br><b>GRASSY VALLEY OMP</b> | Sheet<br><b>G1</b> |
| Date<br><b>10/8/2024</b>            |                    |
| Scale<br>0 500 1000 Feet            |                    |



### LEGEND

-  SURFACE WATER LOCATION  
 PERMIT BOUNDARY

### General Notes

|     |                |      |
|-----|----------------|------|
|     |                |      |
|     |                |      |
| No. | Revision/Issue | Date |

|                              |
|------------------------------|
| <b>Firm Name and Address</b> |
|------------------------------|

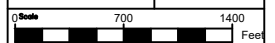


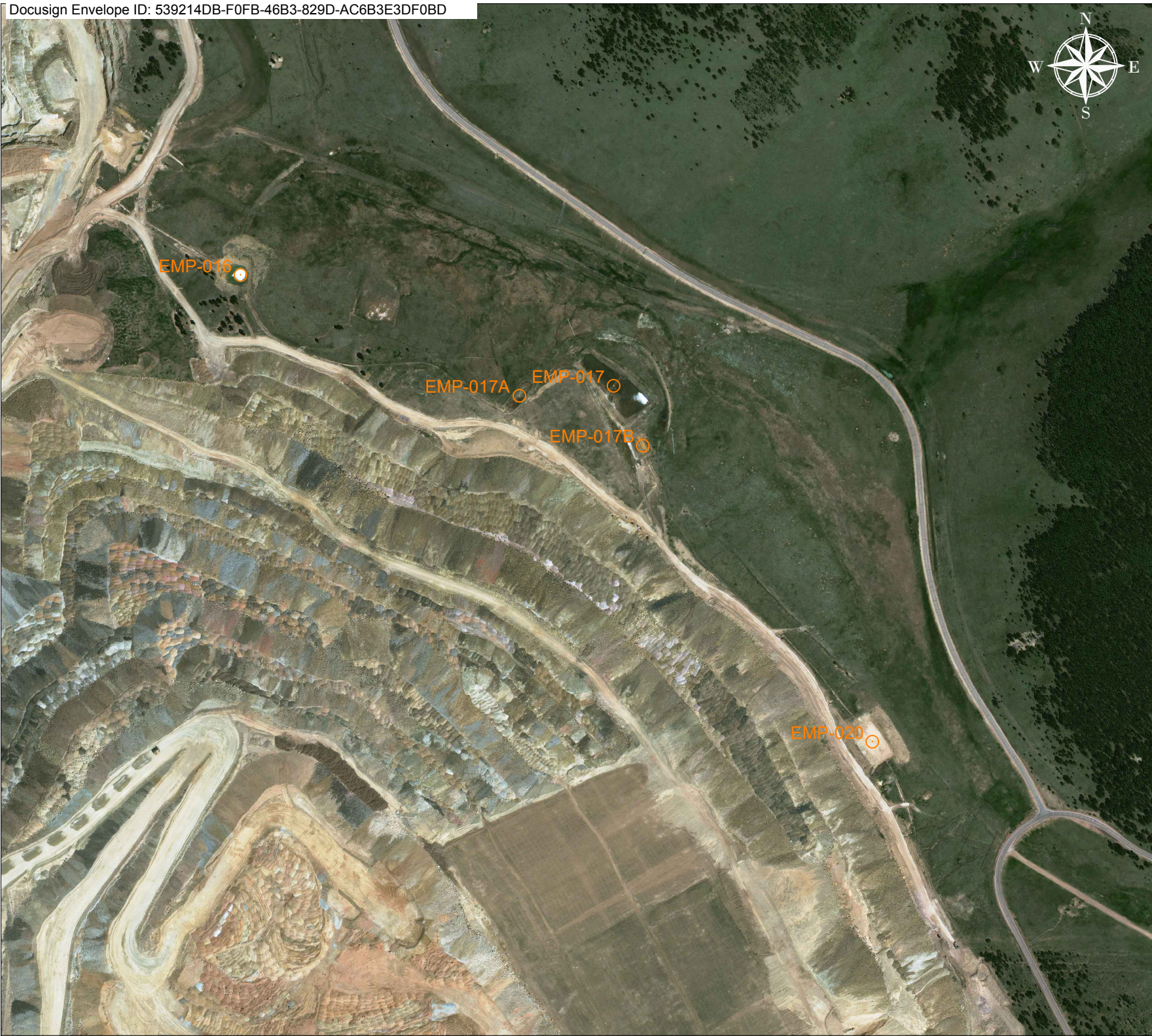
Drawing Name

GRASSY VALLEY  
SURFACE WATER MONITORING

|         |                    |
|---------|--------------------|
| Project | GRASSY VALLEY GAPP |
| Date    | 10/8/2024          |

Sheet G





| LEGEND                                                                              |                 |  |
|-------------------------------------------------------------------------------------|-----------------|--|
|   | EMP             |  |
|  | PERMIT BOUNDARY |  |

| General Notes |  |  |
|---------------|--|--|
|               |  |  |

| No. | Revision/Issue | Date |
|-----|----------------|------|
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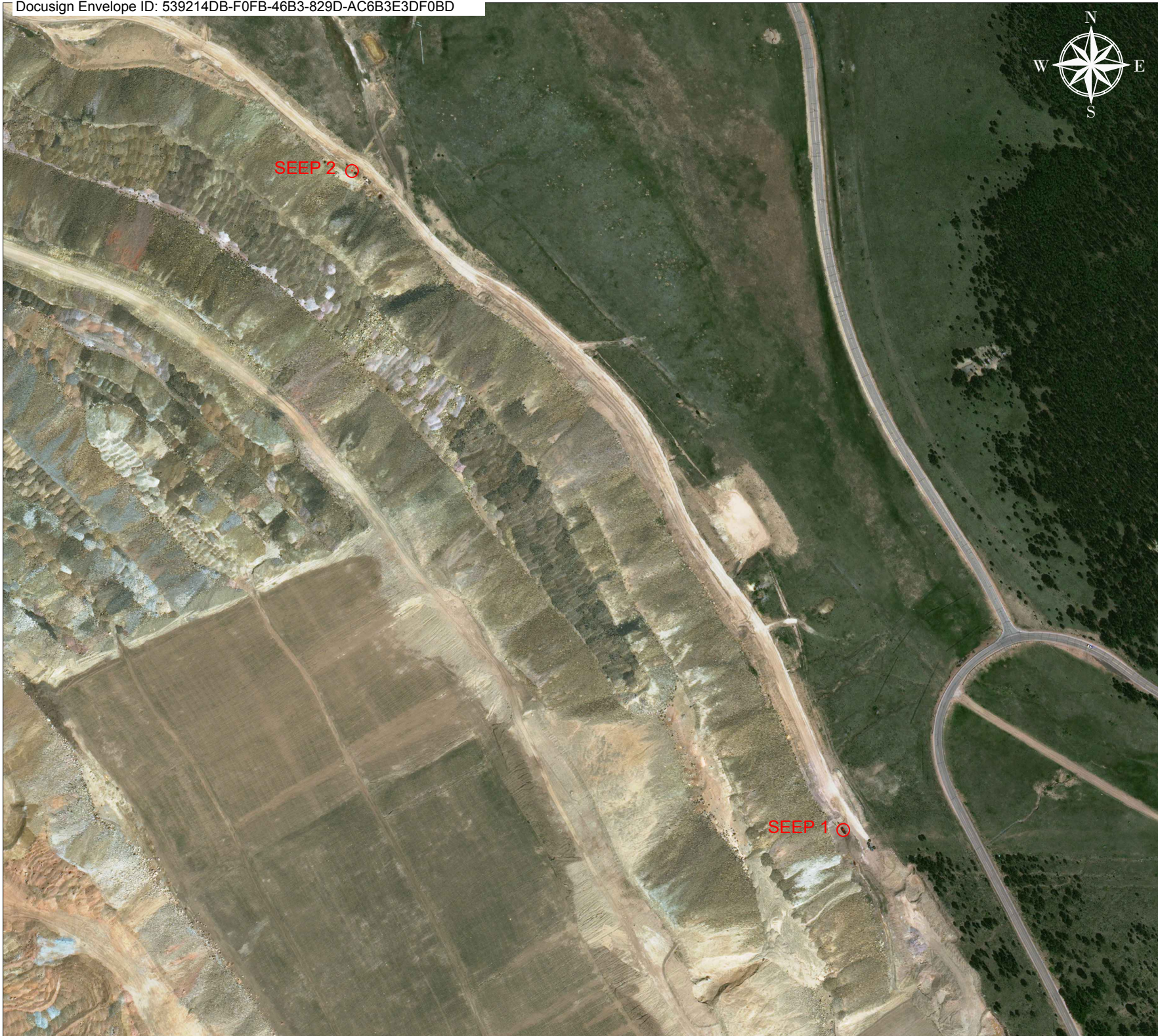
| Firm Name and Address                                                                                           |  |
|-----------------------------------------------------------------------------------------------------------------|--|
| <br>CRIPPLE CREEK & VICTOR |  |

| Drawing Name                    |  |
|---------------------------------|--|
| GRASSY VALLEY<br>EMP MONITORING |  |

| Project            | Sheet |
|--------------------|-------|
| GRASSY VALLEY CAPP | G3    |

| Date      |
|-----------|
| 10/8/2024 |

| Scale                                                                                 | 300 | 600 | Feet |
|---------------------------------------------------------------------------------------|-----|-----|------|
|  |     |     |      |



| LEGEND                                                                              |                 |
|-------------------------------------------------------------------------------------|-----------------|
|   | SEEP LOCATION   |
|  | PERMIT BOUNDARY |

| General Notes |  |  |
|---------------|--|--|
|               |  |  |

| No. | Revision/Issue | Date |
|-----|----------------|------|

Firm Name and Address

**Newmont**  
CRIPPLE CREEK & VICTOR

Drawing Name

GRASSY VALLEY  
ECOSA SEEP MONITORING

|                                                                                                     |             |
|-----------------------------------------------------------------------------------------------------|-------------|
| Project<br>GRASSY VALLEY GAPP                                                                       | Sheet<br>G4 |
| Date<br>10/6/2024                                                                                   |             |
| Scale<br> Feet |             |



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# Tables

Table 1  
Grassy Valley Monthly Monitoring Locations  
Cripple Creek and Victor Gold Mining Company

| Monitoring Location | Date Monitored | Status                                                                                             |
|---------------------|----------------|----------------------------------------------------------------------------------------------------|
| GVMW-4A             | 9/12/2024      | Sampled                                                                                            |
| GVMW-4B             | NA             | P&A                                                                                                |
| GVMW-7A             | 9/11/2024      | Sampled                                                                                            |
| GVMW-7B             | 9/12/2024      | Sampled                                                                                            |
| GVMW-8A             | 9/12/2024      | Sampled                                                                                            |
| GVMW-8B             | 9/12/2024      | Sampled                                                                                            |
| GVMW-10             | 9/4/2024       | Sampled                                                                                            |
| GVMW-15A            | 9/12/2024      | Sampled                                                                                            |
| GVMW-15B            | 9/16/2024      | Sampled                                                                                            |
| GVMW-15C            | 9/18/2024      | Dry at 419' bgs                                                                                    |
| GVMW-22A            | 9/9/2024       | Sampled                                                                                            |
| GVMW-22B            | 9/9/2024       | Sampled                                                                                            |
| GVMW-24A            | 9/17/2024      | Not sampled due to sediment laden water causing the pump to overheat; unable to pump well          |
| GVMW-24B            | 9/23/2024      | Sampled                                                                                            |
| GVMW-25             | 9/16/2024      | Sampled                                                                                            |
| GVMW-26A            | 9/9/2024       | Sampled                                                                                            |
| GVMW-26B            | 9/9/2024       | Sampled                                                                                            |
| GVMW-27             | 9/24/2024      | Sampled                                                                                            |
| GVMW-28             | 9/26/2024      | Sampled                                                                                            |
| GVMW-29             | 9/26/2024      | Dry                                                                                                |
| GVMW-30             | 9/26/2024      | Sampled                                                                                            |
| GVMW-31             | 9/26/2024      | Dry                                                                                                |
| GVMW-32             | 9/26/2024      | NS-IW                                                                                              |
| GVMW-33             | 9/26/2024      | Sampled                                                                                            |
| GVMW-34             | 9/25/2024      | Sampled                                                                                            |
| GVMW-35A            | 9/24/2024      | Not sampled due to the monitoring well had not been developed by the end of the monitoring period. |
| GVMW-35B            | 9/24/2024      | Sampled                                                                                            |
| GVMW-36             | 9/24/2024      | Sampled                                                                                            |
| GVMW-37A            | 9/25/2024      | Sampled                                                                                            |
| GVMW-37B            | 9/25/2024      | Sampled                                                                                            |
| OSABH-12            | 9/18/2024      | Dry at 39' bgs                                                                                     |
| OSABH-14            | 9/18/2024      | Dry at 29' bgs                                                                                     |
| OSABH-16            | 9/18/2024      | Sampled                                                                                            |
| OSABH-17            | 9/16/2024      | Sampled                                                                                            |
| OSABH-18            | 9/18/2024      | Sampled                                                                                            |
| Ecosa Seep-1        | 9/30/2024      | Sampled                                                                                            |
| Ecosa Seep-2        | 9/30/2024      | Sampled                                                                                            |
| GV-02               | 9/18/2024      | Dry                                                                                                |
| GV-03               | 9/18/2024      | Dry                                                                                                |
| GV-06               | 9/18/2024      | Sampled                                                                                            |
| GV-4.5              | 9/18/2024      | Sampled                                                                                            |
| GV-05               | 9/18/2024      | Sampled                                                                                            |
| EMP-016             | 9/30/2024      | Sampled                                                                                            |
| EMP-017             | 9/30/2024      | Dry                                                                                                |
| EMP-017A            | 9/30/2024      | Dry                                                                                                |
| EMP-17B             | 9/30/2024      | Dry                                                                                                |
| EMP-17C             | 9/30/2024      | Dry                                                                                                |
| EMP-020             | 9/30/2024      | Dry                                                                                                |

Notes:  
'- feet  
BTOC - below top of casing  
NS-IW - Not sampled due to insufficient water  
P&A - Plugged and abandoned

Table 2  
Grassy Valley Monthly Groundwater Analytical Results - September 2024  
Cripple Creek and Victor Gold Mining Company

| ANALYTE                       | Reg 41 TVS | Site Wide<br>NPL | UNIT     | Well I.D.   | GVMW-4A   | GVMW-7A   | GVMW-7B   | GVMW-8A*  | GVMW-8B   | GVMW-10   | GVMW-15A  | GVMW-15B  | GVMW-22A  | GVMW-22B  | GVMW-24B  | GVMW-25   | GMVW-26A  | GVMW-26B  |
|-------------------------------|------------|------------------|----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                               |            |                  |          | Sample Date | 9/12/2024 | 9/11/2024 | 9/12/2024 | 9/12/2024 | 9/12/2024 | 9/4/2024  | 9/12/2024 | 9/16/2024 | 9/9/2024  | 9/9/2024  | 9/23/2024 | 9/16/2024 | 9/9/2024  | 9/9/2024  |
| Aluminum - Dissolved          | 5          | 7                | mg/L     |             | <0.080    | <0.080    | <0.080    | <0.080    | <0.080    | <0.080    | <0.080    | 0.364     | <0.080    | <0.080    | 0.273     | 980       | <0.080    | <0.080    |
| Ammonia                       | NA         | NA               | mg/L     |             | <0.030    | <0.030    | <0.030    | <0.030    | 0.076     | <0.030    | 0.273     | 0.042     | <0.030    | <0.030    | <0.030    | <0.030    | <0.030    | <0.030    |
| Antimony - Dissolved          | 0.006      | NA               | mg/L     |             | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  |
| Arsenic - Dissolved           | 0.01       | NA               | mg/L     |             | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | 0.0218    | <0.00100  | <0.00100  |
| Barium - Dissolved            | 2          | NA               | mg/L     |             | 0.177     | 0.168     | 0.0272    | <0.0020   | 0.0059    | 0.0186    | 0.0513    | 0.0137    | 0.0997    | 0.0486    | 0.0113    | 0.015     | 0.196     | 0.101     |
| Beryllium - Dissolved         | 0.004      | NA               | mg/L     |             | <0.00200  | <0.00200  | <0.00200  | <0.00200  | <0.00200  | <0.00200  | <0.00200  | 0.0312    | <0.00200  | <0.00200  | 0.00217   | 0.661     | <0.00200  | <0.00200  |
| Boron - Total                 | 0.75       | NA               | mg/L     |             | <0.0400   | <0.0400   | <0.0400   | <0.0400   | <0.0400   | <0.0400   | <0.0400   | <0.0400   | <0.0400   | <0.0400   | <0.0400   | 0.0437    | <0.0400   | <0.0400   |
| Cadmium - Dissolved           | 0.005      | 0.005            | mg/L     |             | <0.0020   | <0.0020   | <0.0020   | <0.0020   | <0.0020   | <0.0020   | <0.0020   | <0.0020   | <0.0020   | <0.0020   | 0.0025    | 1.82      | <0.0020   | <0.0020   |
| Chloride - Total              | 250        | NA               | mg/L     |             | 4.98      | 10.6      | 35.2      | 64        | 44.9      | 5.11      | 1.48      | 0.97      | 3.79      | 10.4      | 21        | 24.3      | 1.24      | 1.89      |
| Chromium - Dissolved          | 0.1        | NA               | mg/L     |             | <0.0060   | <0.0060   | <0.0060   | <0.0060   | <0.0060   | <0.0060   | <0.0060   | <0.0060   | <0.0060   | <0.0060   | <0.0060   | 0.12      | <0.0060   | <0.0060   |
| Cobalt - Dissolved            | 0.05       | NA               | mg/L     |             | <0.0060   | <0.0060   | <0.0060   | <0.0060   | <0.0060   | <0.0060   | 0.0283    | 0.0588    | <0.0060   | <0.0060   | <0.0060   | 2.13      | <0.0060   | <0.0060   |
| Copper - Dissolved            | 0.2        | 0.2              | mg/L     |             | <0.0100   | <0.0100   | <0.0100   | <0.0100   | 0.0234    | 0.01      | <0.0100   | <0.0100   | <0.0100   | <0.0100   | <0.0100   | 4.12      | <0.0100   | <0.0100   |
| Cyanide - Free                | 0.2        | NA               | mg/L     |             | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0500   | <0.0050   |
| Cyanide - Total               | NA         | NA               | mg/L     |             | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   |
| Cyanide - WAD                 | NA         | 0.2              | mg/L     |             | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | 0.005     | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   |
| Fluoride - Total F            | 2          | 2                | mg/L     |             | 0.131     | 0.886     | 0.303     | 1.91      | 2.18      | 0.368     | 0.298     | 0.361     | 2.37      | 0.375     | 1.29      | 91.2      | 1.98      | 0.208     |
| Iron - Dissolved              | 0.3        | 14               | mg/L     |             | 7.99      | 1.28      | <0.100    | <0.100    | <0.100    | <0.100    | 31        | 19.7      | <0.100    | <0.100    | <0.100    | 6.3       | <0.100    | <0.100    |
| Lead - Dissolved              | 0.05       | NA               | mg/L     |             | <0.0075   | <0.0075   | <0.0075   | <0.0075   | <0.0075   | <0.0075   | <0.0075   | 0.0375    | <0.0075   | <0.0075   | <0.0075   | 0.0352    | <0.0075   | <0.0075   |
| Lithium - Dissolved           | 2.5        | NA               | mg/L     |             | <0.040    | <0.040    | <0.040    | <0.040    | <0.040    | <0.040    | <0.040    | <0.040    | <0.040    | <0.040    | <0.040    | 0.196     | <0.040    | <0.040    |
| Manganese - Dissolved         | 0.05       | 3                | mg/L     |             | 1.85      | 0.207     | <0.0080   | <0.0080   | <0.0080   | 1.54      | 1.82      | 1.19      | 0.163     | <0.0080   | 1.35      | 249       | <0.0080   | <0.0080   |
| Mercury - Dissolved           | 0.002      | 0.002            | mg/L     |             | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 |
| Molybdenum - Dissolved        | 0.21       | NA               | mg/L     |             | <0.0080   | <0.0080   | <0.0080   | <0.0080   | <0.0080   | 0.0216    | <0.0080   | <0.0080   | 0.0094    | <0.0080   | <0.0080   | <0.0080   | <0.0080   | <0.0080   |
| Nickel - Dissolved            | 0.1        | NA               | mg/L     |             | <0.0100   | <0.0100   | <0.0100   | <0.0100   | <0.0100   | <0.0100   | 0.0391    | 0.0774    | <0.0100   | <0.0100   | 0.042     | 2.79      | <0.0100   | <0.0100   |
| Nitrate as Nitrogen           | 10         | 10               | mg/L     |             | <0.050    | <0.050    | 0.713     | 1.28      | 2.24      | 0.116     | <0.050    | <0.050    | <0.050    | 0.631     | 1.8       | 3.62      | <0.050    | 0.737     |
| Nitrite + Nitrate as Nitrogen | 10         | 11               | mg/L     |             | <0.100    | <0.100    | 0.713     | 1.28      | 2.24      | 0.121     | <0.100    | <0.100    | <0.100    | 0.631     | 1.8       | 3.62      | <0.100    | 0.737     |
| Nitrite as Nitrogen           | 1          | 1                | mg/L     |             | <0.050    | <0.050    | <0.050    | <0.050    | <0.050    | <0.050    | <0.050    | <0.050    | <0.050    | <0.050    | <0.050    | <0.500    | <0.050    | <0.050    |
| pH Field                      | 6.5-8.5    | 6.0-8.5          | pH units |             | 6.49      | 7.47      | 6.58      | 6.87      | 6.74      | 6.93      | 6.49      | 4.72      | 7.77      | 6.65      | 6.54      | 3.73      | 7.87      | 6.40      |
| Selenium - Dissolved          | 0.02       | 0.024            | mg/L     |             | <0.00100  | <0.00100  | <0.00100  | <0.00100  | <0.00100  | 0.0046    | <0.00100  | <0.00100  | <0.00100  | <0.00100  | 0.00176   | 0.038     | <0.00100  | <0.00100  |
| Silver - Dissolved            | 0.05       | NA               | mg/L     |             | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | 0.005     | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   |
| Sodium - Dissolved            | NA         | NA               | mg/L     |             | 9.22      | 9.75      | 16.4      | 24.1      | 24.9      | 38.9      | 14.2      | 12.3      | 37.4      | 16.3      | 23.2      | 40.9      | 31.6      | 10.1      |
| Sulfate - Total               | 250        | NA               | mg/L     |             | 61.1      | 21.2      | 190       | 64.6      | 93        | 1,510     | 185       | 247       | 33.4      | 59        | 1,790     | 9,740     | 14.9      | 21.5      |
| Thallium - Dissolved          | 0.002      | NA               | mg/L     |             | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.00100  | <0.000200 | <0.000200 |
| Total Dissolved Solids        | NA         | NA               | mg/L     |             | 183       | 214       | 381       | 277       | 279       | 2,180     | 294       | 399       | 212       | 195       | 2520      | 13,900    | 204       | 87        |
| Uranium - Dissolved           | 0.03       | NA               | mg/L     |             | 0.000104  | 0.00424   | 0.000272  | 0.00483   | 0.00261   | 0.0526    | <0.000100 | 0.0036    | 0.00328   | 0.000531  | 0.0145    | 3.65      | 0.00319   | <0.000100 |
| Vanadium - Dissolved          | 0.1        | NA               | mg/L     |             | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   |
| Zinc - Dissolved              | 2          | 2                | mg/L     |             | <0.0100   | <0.0100   | <0.0100   | <0.0100   | <0.0100   | 0.161     | 0.288     | 1.17      | <0.0100   | <0.0100   | 0.0659    | 68.7      | <0.0100   | <0.0100   |

Notes:  
Applicable Standard vs. Non-applicable standard  
\* NPL of 1.0 mg/L for manganese and 6.5-8.5 for pH applies to GVMW-8A  
Result below laboratory detection limit  
BOLD - greater than applicable standard  
< - less than  
mg/L - milligrams per liter  
NPL - Numeric Protection Limit  
NS- Not sampled  
TVS - table value standard

Table 2  
Grassy Valley Monthly Groundwater Analytical Results - September 2024  
Cripple Creek and Victor Gold Mining Company

| ANALYTE                       | Reg 41 TVS | Site Wide<br>NPL | UNIT     | Well I.D.   | GVMW-27   | GVMW-28   | GVMW-30   | GVMW-33   | GVMW-34   | GVMW-35B  | GVMW-36   | GVMW-37A  | GVMW-37B  | OSABH-17  | OSABH-16  | Seep-1    | Seep-2    | EMP-16    |
|-------------------------------|------------|------------------|----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                               |            |                  |          | Sample Date | 9/24/2024 | 9/26/2024 | 9/26/2024 | 9/26/2024 | 9/25/2024 | 9/24/2024 | 9/24/2024 | 9/25/2024 | 9/24/2024 | 9/16/2024 | 9/18/2024 | 9/30/2024 | 9/30/2024 | 9/30/2024 |
| Aluminum - Dissolved          | 5          | 7                | mg/L     |             | 609       | 1,870     | 396       | 997       | 8         | <0.080    | 379       | <0.080    | <0.080    | 2,760     | 1,510     | 3,420     | 8,150     | 193       |
| Ammonia                       | NA         | NA               | mg/L     |             | <0.030    | 0.091     | <0.030    | 0.928     | <0.030    | <0.030    | <0.030    | <0.030    | <0.030    | 0.047     | 0.103     | <3.00     | <3.00     | <0.030    |
| Antimony - Dissolved          | 0.006      | NA               | mg/L     |             | <0.00100  | <0.0100   | <0.00500  | <0.0100   | <0.00500  | <0.00100  | <0.00100  | 0.00172   | <0.00100  | <0.100    | <0.0500   | <0.100    | <0.100    | <0.00100  |
| Arsenic - Dissolved           | 0.01       | NA               | mg/L     |             | <0.0500   | 0.55      | 0.0367    | 0.488     | <0.00500  | <0.00100  | <0.0500   | <0.00100  | <0.00100  | <0.100    | 0.061     | 0.607     | 10.7      | 0.0394    |
| Barium - Dissolved            | 2          | NA               | mg/L     |             | 0.0238    | 0.0168    | 0.0176    | 0.0375    | 0.0339    | 0.0424    | 0.0151    | 0.125     | 0.0922    | <0.0100   | 0.0221    | <0.0200   | 0.0486    | 0.0197    |
| Beryllium - Dissolved         | 0.004      | NA               | mg/L     |             | 0.339     | 0.913     | 0.624     | 0.878     | 0.00775   | <0.00200  | 0.123     | <0.00200  | <0.00200  | 0.597     | 0.687     | 0.509     | 0.735     | 0.0478    |
| Boron - Total                 | 0.75       | NA               | mg/L     |             | 0.0406    | 0.0694    | <0.0400   | 0.0629    | 0.0427    | <0.0400   | <0.0400   | <0.0400   | <0.0400   | <0.200    | <0.200    | <0.400    | <0.800    | <0.0400   |
| Cadmium - Dissolved           | 0.005      | 0.005            | mg/L     |             | 1.23      | 3.17      | 0.353     | 2.21      | 0.0282    | <0.0020   | 1.04      | <0.0020   | <0.0020   | 5.64      | 7.11      | 10.7      | 40.3      | 0.34      |
| Chloride - Total              | 250        | NA               | mg/L     |             | 31.3      | 6.66      | 2.77      | 6.85      | 27.9      | 80        | 9.99      | 4.33      | 4.3       | 17.3      | <5.00     | <10.0     | <50.0     | 12        |
| Chromium - Dissolved          | 0.1        | NA               | mg/L     |             | 0.0987    | 0.515     | 0.302     | 0.0794    | <0.0060   | <0.0060   | 0.094     | <0.0060   | <0.0060   | 0.38      | <0.0300   | 0.623     | 2.1       | 0.0309    |
| Cobalt - Dissolved            | 0.05       | NA               | mg/L     |             | 1.64      | 3.75      | 0.6       | 1.95      | 0.0277    | <0.0060   | 2.33      | <0.0060   | <0.0060   | 12.7      | 5.2       | 10.3      | 23.8      | 1.78      |
| Copper - Dissolved            | 0.2        | 0.2              | mg/L     |             | 2.33      | 11.8      | 0.281     | 3.34      | <0.0100   | <0.0100   | 1.68      | <0.0100   | <0.0100   | 11.1      | 10.1      | 20.4      | 92        | 0.482     |
| Cyanide - Free                | 0.2        | NA               | mg/L     |             | <0.0050   | <0.0500   | <0.0050   | <0.0500   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0500   | <0.0050   | <0.0050   | 0.006     | <0.0050   |
| Cyanide - Total               | NA         | NA               | mg/L     |             | <0.0050   | 0.0063    | 0.0167    | 0.0061    | 0.0062    | <0.0050   | 0.0182    | <0.0050   | <0.0050   | 0.0118    | <0.0050   | 0.0129    | 0.0151    | <0.0050   |
| Cyanide - WAD                 | NA         | 0.2              | mg/L     |             | <0.0050   | <0.0250   | <0.0250   | <0.0250   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0500   | <0.0500   | <0.0250   | <0.0500   | <0.0050   |
| Fluoride - Total F            | 2          | 2                | mg/L     |             | 47.2      | 17.1      | 15.7      | 162       | 15.9      | 0.102     | <0.500    | 1.34      | 1.97      | 173       | 233       | 281       | 576       | 4.84      |
| Iron - Dissolved              | 0.3        | 14               | mg/L     |             | 68.2      | 344       | 38.9      | 29        | <0.100    | <0.100    | 15.7      | <0.100    | <0.100    | 131       | 267       | 733       | 6,290     | 5.65      |
| Lead - Dissolved              | 0.05       | NA               | mg/L     |             | <0.0075   | 0.0505    | 0.0117    | 0.0761    | <0.0075   | <0.0075   | 0.0194    | <0.0075   | <0.0075   | 0.0563    | 0.0482    | <0.0750   | <0.150    | 0.0767    |
| Lithium - Dissolved           | 2.5        | NA               | mg/L     |             | 0.097     | 0.492     | 0.308     | 0.314     | 0.172     | <0.040    | 0.162     | <0.040    | <0.040    | 1.23      | 0.596     | <0.400    | 1.03      | 0.123     |
| Manganese - Dissolved         | 0.05       | 3                | mg/L     |             | 179       | 439       | 70.2      | 355       | 43.4      | 0.171     | 101       | 0.384     | 0.434     | 863       | 1,260     | 945       | 3,450     | 49.9      |
| Mercury - Dissolved           | 0.002      | 0.002            | mg/L     |             | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 | <0.000200 |
| Molybdenum - Dissolved        | 0.21       | NA               | mg/L     |             | <0.0080   | <0.0080   | <0.0080   | <0.0080   | <0.0080   | 0.015     | <0.0080   | 0.0151    | 0.0103    | <0.0400   | <0.0400   | <0.0800   | 0.336     | <0.0080   |
| Nickel - Dissolved            | 0.1        | NA               | mg/L     |             | 1.91      | 4.73      | 1.88      | 2.99      | 0.237     | <0.0100   | 2.03      | <0.0100   | <0.0100   | 11.4      | 3.64      | 7.51      | 13.5      | 1.15      |
| Nitrate as Nitrogen           | 10         | 10               | mg/L     |             | 1.2       | 6.02      | 1.62      | 4.91      | 9.75      | 9.69      | 1.93      | 0.083     | 0.83      | 4.75      | 2.59      | 11.9      | <12.5     | <0.050    |
| Nitrite + Nitrate as Nitrogen | 10         | 11               | mg/L     |             | 1.24      | 6.02      | 1.62      | 4.91      | 9.77      | 9.88      | 1.96      | 0.12      | 0.921     | <5.00     | 2.59      | 11.9      | <25.0     | <0.100    |
| Nitrite as Nitrogen           | 1          | 1                | mg/L     |             | <0.500    | <0.500    | <0.500    | <0.500    | <0.050    | 0.185     | <0.250    | <0.050    | 0.09      | <2.50     | <1.25     | <2.50     | <12.5     | <0.050    |
| pH Field                      | 6.5-8.5    | 6.0-8.5          | pH units |             | 4.13      | 2.82      | 3.08      | 3.37      | 5.90      | 10.18     | 3.67      | 7.79      | 7.92      | 2.9       | 2.8       | 2.51      | 2.45      | 3.35      |
| Selenium - Dissolved          | 0.02       | 0.024            | mg/L     |             | 0.0646    | 0.038     | 0.00532   | 0.0364    | 0.00983   | 0.00244   | <0.0500   | <0.00100  | <0.00100  | 0.1510    | 0.15      | <0.100    | 0.134     | 0.00232   |
| Silver - Dissolved            | 0.05       | NA               | mg/L     |             | <0.0050   | 0.0109    | <0.0050   | 0.0126    | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0250   | <0.0250   | <0.0500   | <0.100    | <0.0050   |
| Sodium - Dissolved            | NA         | NA               | mg/L     |             | 182       | 57.1      | 43.6      | 167       | 44.9      | 39.4      | 34.4      | 35.3      | 31.5      | 15        | 26.3      | 50.1      | 37.4      | 9.13      |
| Sulfate - Total               | 250        | NA               | mg/L     |             | 7,590     | 17,000    | 5,480     | 11,000    | 2,650     | 1,180     | 5,340     | 291       | 166       | 24,200    | 15,800    | 29,400    | 75,400    | 2,160     |
| Thallium - Dissolved          | 0.002      | NA               | mg/L     |             | <0.00200  | <0.00200  | <0.00100  | <0.00200  | <0.00100  | <0.000200 | <0.00200  | <0.000200 | <0.000200 | <0.0200   | <0.0100   | <0.0200   | <0.0200   | 0.000319  |
| Total Dissolved Solids        | NA         | NA               | mg/L     |             | 10,000    | 22,900    | 7,630     | 16,000    | 4,030     | 1,880     | 7,160     | 560       | 399       | 32,100    | 20,800    | 36,200    | 115,000   | 5,170     |
| Uranium - Dissolved           | 0.03       | NA               | mg/L     |             | 2.64      | 6.23      | 0.496     | 3.8       | 0.0154    | 0.002     | 1.88      | 0.00558   | 0.00287   | 8.3       | 15.2      | 11.8      | 68.5      | 0.58      |
| Vanadium - Dissolved          | 0.1        | NA               | mg/L     |             | <0.0050   | <0.0050   | <0.0050   | 0.0107    | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0050   | <0.0250   | <0.0250   | <0.0500   | 0.871     | <0.0050   |
| Zinc - Dissolved              | 2          | 2                | mg/L     |             | 50.1      | 162       | 6.78      | 51.7      | 4.23      | <0.0100   | 41.4      | <0.0100   | <0.0100   | 191       | 252       | 180       | 1,790     | 16.7      |

Notes:  
Applicable Standard vs. Non-applicable standard  
\* NPL of 1.0 mg/L for manganese and 6.5-8.5 for pH applies to GVMW-8A  
Result below laboratory detection limit  
BOLD - greater than applicable standard  
< - less than  
mg/L - milligrams per liter  
NPL - Numeric Protection Limit  
NS- Not sampled  
TVS - table value standard



Cripple Creek & Victor  
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100 North 3<sup>rd</sup> Street  
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[newmont.com](http://newmont.com)

# Attachment 1

## Laboratory Analytical Reports



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0082**

Reported: 23-Sep-24 13:18

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| GVMW-10   | X4I0082-01    | Ground Water | 04-Sep-24 12:15 | TR         | 06-Sep-2024   | Q6    |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

(Q6) SVL received the following containers outside of published EPA guidelines for preservation temperatures (0-6°C).

The guidelines do not pertain to nitric-preserved metals.

**Default Cooler (Received Temperature: 14.6°C)**

| <u>Labnumber</u> | <u>Container</u>     | <u>Client ID</u> | <u>Labnumber</u> | <u>Container</u> | <u>Client ID</u> |
|------------------|----------------------|------------------|------------------|------------------|------------------|
| X4I0082-01 A     | Raw HDPE             | GVMW-10          | X4I0082-01 B     | Sulfuric HDPE    | GVMW-10          |
| X4I0082-01 C     | Filtered nitric HDPE | GVMW-10          | X4I0082-01 D     | Nitric HDPE      | GVMW-10          |
| X4I0082-01 E     | NaOH Amber Plastic   | GVMW-10          |                  |                  |                  |

**Case Narrative: X4I0082**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410082**

Reported: 23-Sep-24 13:18

Client Sample ID: **GVMW-10**

Sampled: 04-Sep-24 12:15

Received: 06-Sep-24

Sampled By: TR

SVL Sample ID: **X410082-01 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |    |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|----|
| EPA 200.7 | <b>Calcium</b>             | 401  | mg/L | 0.100 | 0.069 |  | X437076 | SJN | 09/13/24 13:59 | M3 |
| EPA 200.7 | <b>Magnesium</b>           | 157  | mg/L | 0.500 | 0.090 |  | X437076 | SJN | 09/13/24 13:59 |    |
| EPA 200.7 | <b>Potassium</b>           | 2.87 | mg/L | 0.50  | 0.18  |  | X437076 | SJN | 09/13/24 16:20 |    |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 1650 | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/17/24 13:48 |    |

**Metals (Dissolved)**

|           |                   |            |      |          |          |  |         |     |                |  |
|-----------|-------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum          | < 0.080    | mg/L | 0.080    | 0.054    |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | <b>Barium</b>     | 0.0186     | mg/L | 0.0020   | 0.0019   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | Beryllium         | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | Boron             | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | Cadmium           | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | <b>Calcium</b>    | 382        | mg/L | 0.100    | 0.069    |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | Chromium          | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | Cobalt            | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | <b>Copper</b>     | 0.0100     | mg/L | 0.0100   | 0.0027   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | Iron              | < 0.100    | mg/L | 0.100    | 0.056    |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | Lead              | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X437090 | SJN | 09/18/24 16:30 |  |
| EPA 200.7 | Lithium           | < 0.040    | mg/L | 0.040    | 0.025    |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | <b>Magnesium</b>  | 157        | mg/L | 0.500    | 0.090    |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | <b>Manganese</b>  | 1.54       | mg/L | 0.0080   | 0.0034   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | <b>Molybdenum</b> | 0.0216     | mg/L | 0.0080   | 0.0034   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | Nickel            | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | <b>Potassium</b>  | 2.35       | mg/L | 0.50     | 0.18     |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | <b>Silver</b>     | 0.0050     | mg/L | 0.0050   | 0.0019   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | <b>Sodium</b>     | 38.9       | mg/L | 0.50     | 0.12     |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.7 | Vanadium          | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X437090 | SJN | 09/18/24 16:30 |  |
| EPA 200.7 | <b>Zinc</b>       | 0.161      | mg/L | 0.0100   | 0.0054   |  | X437090 | SJN | 09/17/24 13:48 |  |
| EPA 200.8 | Antimony          | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X437193 | JRR | 09/17/24 09:32 |  |
| EPA 200.8 | Arsenic           | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X437193 | JRR | 09/17/24 09:32 |  |
| EPA 200.8 | <b>Selenium</b>   | 0.00456    | mg/L | 0.00100  | 0.00024  |  | X437193 | JRR | 09/17/24 09:32 |  |
| EPA 200.8 | Thallium          | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X437193 | JRR | 09/17/24 09:32 |  |
| EPA 200.8 | <b>Uranium</b>    | 0.0526     | mg/L | 0.000100 | 0.000052 |  | X437193 | JRR | 09/17/24 09:32 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437205 | MAC | 09/20/24 14:55 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437102 | DD  | 09/15/24 17:01 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X437016 | DD  | 09/10/24 17:24 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013  |  | X437099 | DD  | 09/12/24 14:26 |    |
| OIA 1677    | <b>Cyanide (WAD)</b>      | 0.0050   | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 11:33 | H1 |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -310     | mg/L as CaCO3 | 10.0   |        |  | X437159 | MWD | 09/12/24 12:09 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 308      | mg/L as CaCO3 | 1.0    |        |  | X437068 | MWD | 09/11/24 12:07 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 308      | mg/L as CaCO3 | 1.0    |        |  | X437068 | MWD | 09/11/24 12:07 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437068 | MWD | 09/11/24 12:07 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437068 | MWD | 09/11/24 12:07 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 2180     | mg/L          | 40     |        |  | X436151 | TJL | 09/11/24 13:40 |    |
| SM 2540 D   | Total Susp. Solids        | < 5.0    | mg/L          | 5.0    |        |  | X436152 | TJL | 09/12/24 09:55 |    |
| SM 4500 H B | <b>pH @19.1°C</b>         | 7.2      | pH Units      |        |        |  | X437068 | MWD | 09/11/24 12:07 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 9



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**Newmont - Cripple Creek & Victor**  
Post Office Box 191  
Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**  
Work Order: **X410082**  
Reported: 23-Sep-24 13:18

Client Sample ID: **GVMW-10**  
SVL Sample ID: **X410082-01 (Ground Water)**

Sample Report Page 2 of 2

Sampled: 04-Sep-24 12:15  
Received: 06-Sep-24  
Sampled By: TR

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 5.11    | mg/L  | 0.20  | 0.02  |          | X436143 | RS      | 09/06/24 12:58 |       |
| EPA 300.0                           | Fluoride             | 0.368   | mg/L  | 0.100 | 0.017 |          | X436143 | RS      | 09/06/24 12:58 |       |
| EPA 300.0                           | Nitrate as N         | 0.116   | mg/L  | 0.050 | 0.013 |          | X436143 | RS      | 09/06/24 12:58 | H3    |
| EPA 300.0                           | Nitrate+Nitrite as N | 0.121   | mg/L  | 0.100 | 0.044 |          | X436143 | RS      | 09/06/24 12:58 | H3    |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X436143 | RS      | 09/06/24 12:58 | H3    |
| EPA 300.0                           | Sulfate as SO4       | 1510    | mg/L  | 15.0  | 9.00  | 50       | X436143 | RS      | 09/06/24 13:14 |       |

|                                            |  |                       |  |                      |  |                      |  |                |  |  |
|--------------------------------------------|--|-----------------------|--|----------------------|--|----------------------|--|----------------|--|--|
| <b>Cation/Anion Balance and TDS Ratios</b> |  |                       |  |                      |  |                      |  |                |  |  |
| Cation Sum: 33.8 meq/L                     |  | Anion Sum: 37.8 meq/L |  | C/A Balance: -5.52 % |  | Calculated TDS: 2291 |  | TDS/cTDS: 0.95 |  |  |

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410082**

Reported: 23-Sep-24 13:18

**Quality Control - BLANK Data**

| Method                                                                | Analyte               | Units         | Result    | MDL      | MRL      | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|---------------|-----------|----------|----------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X437076  | 13-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X437076  | 13-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X437076  | 13-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L          | <0.080    | 0.054    | 0.080    | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Barium                | mg/L          | <0.0020   | 0.0019   | 0.0020   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L          | <0.00200  | 0.00080  | 0.00200  | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L          | <0.0400   | 0.0078   | 0.0400   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Cadmium               | mg/L          | <0.0020   | 0.0016   | 0.0020   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L          | <0.0060   | 0.0020   | 0.0060   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Cobalt                | mg/L          | <0.0060   | 0.0046   | 0.0060   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Copper                | mg/L          | <0.0100   | 0.0027   | 0.0100   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L          | <0.100    | 0.056    | 0.100    | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Lead                  | mg/L          | <0.0075   | 0.0049   | 0.0075   | X437090  | 18-Sep-24 |       |
| EPA 200.7                                                             | Lithium               | mg/L          | <0.040    | 0.025    | 0.040    | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L          | <0.0080   | 0.0034   | 0.0080   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L          | <0.0080   | 0.0034   | 0.0080   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L          | <0.0100   | 0.0048   | 0.0100   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Silver                | mg/L          | <0.0050   | 0.0019   | 0.0050   | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L          | <0.50     | 0.12     | 0.50     | X437090  | 17-Sep-24 |       |
| EPA 200.7                                                             | Vanadium              | mg/L          | <0.0050   | 0.0019   | 0.0050   | X437090  | 18-Sep-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L          | <0.0100   | 0.0054   | 0.0100   | X437090  | 17-Sep-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X437193  | 17-Sep-24 |       |
| <b>Metals (Filtered)</b>                                              |                       |               |           |          |          |          |           |       |
| EPA 245.1                                                             | Mercury               | mg/L          | <0.000200 | 0.000093 | 0.000200 | X437205  | 20-Sep-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |               |           |          |          |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L          | <0.0050   | 0.0048   | 0.0050   | X437102  | 15-Sep-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L          | <0.0050   | 0.0038   | 0.0050   | X437016  | 10-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | <0.030    | 0.013    | 0.030    | X437099  | 12-Sep-24 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L          | <0.0050   | 0.0010   | 0.0050   | X438183  | 20-Sep-24 |       |
| SM 2310 B                                                             | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0     |          | 10.0     | X437159  | 12-Sep-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | <1.0      |          | 1.0      | X437068  | 11-Sep-24 |       |
| SM 2320 B                                                             | Bicarbonate           | mg/L as CaCO3 | <1.0      |          | 1.0      | X437068  | 11-Sep-24 |       |
| SM 2320 B                                                             | Carbonate             | mg/L as CaCO3 | <1.0      |          | 1.0      | X437068  | 11-Sep-24 |       |
| SM 2320 B                                                             | Hydroxide             | mg/L as CaCO3 | <1.0      |          | 1.0      | X437068  | 11-Sep-24 |       |
| SM 2540 C                                                             | Total Diss. Solids    | mg/L          | <10       |          | 10       | X436151  | 11-Sep-24 |       |
| SM 2540 D                                                             | Total Susp. Solids    | mg/L          | <5.0      |          | 5.0      | X436152  | 12-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |               |           |          |          |          |           |       |
| EPA 300.0                                                             | Chloride              | mg/L          | <0.20     | 0.02     | 0.20     | X436143  | 06-Sep-24 |       |
| EPA 300.0                                                             | Fluoride              | mg/L          | <0.100    | 0.017    | 0.100    | X436143  | 06-Sep-24 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L          | <0.050    | 0.013    | 0.050    | X436143  | 06-Sep-24 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L          | <0.100    | 0.044    | 0.100    | X436143  | 06-Sep-24 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L          | <0.050    | 0.031    | 0.050    | X436143  | 06-Sep-24 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L          | <0.30     | 0.18     | 0.30     | X436143  | 06-Sep-24 |       |



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410082**

Reported: 23-Sep-24 13:18

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 19.4 | 20.0 | 97   | 85 - 115 | X437076 | 13-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.9 | 20.0 | 99.5 | 85 - 115 | X437076 | 13-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | 18.8 | 20.0 | 94.1 | 85 - 115 | X437076 | 13-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.953  | 1.00   | 95.3 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 0.941  | 1.00   | 94.1 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.960  | 1.00   | 96.0 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.937  | 1.00   | 93.7 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 18.0   | 20.0   | 90.2 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.898  | 1.00   | 89.8 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | 0.886  | 1.00   | 88.6 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.66   | 10.0   | 96.6 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.954  | 1.00   | 95.4 | 85 - 115 | X437090 | 18-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.891  | 1.00   | 89.1 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 18.0   | 20.0   | 90.2 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.906  | 1.00   | 90.6 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.916  | 1.00   | 91.6 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.899  | 1.00   | 89.9 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 18.0   | 20.0   | 90.1 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0489 | 0.0500 | 97.8 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 17.3   | 19.0   | 91.0 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 0.962  | 1.00   | 96.2 | 85 - 115 | X437090 | 18-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.931  | 1.00   | 93.1 | 85 - 115 | X437090 | 17-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0249 | 0.0250 | 99.7 | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0246 | 0.0250 | 98.4 | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0254 | 0.0250 | 101  | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0250 | 0.0250 | 100  | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0260 | 0.0250 | 104  | 85 - 115 | X437193 | 17-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |      |          |         |           |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00183 | 0.00200 | 91.5 | 85 - 115 | X437205 | 20-Sep-24 |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |        |       |      |            |         |           |  |
|------------|-----------------------|---------------|--------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.101  | 0.100 | 101  | 90 - 110   | X437102 | 15-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.0990 | 0.100 | 99.0 | 90 - 110   | X437016 | 10-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 0.998  | 1.00  | 99.8 | 90 - 110   | X437099 | 12-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.103  | 0.100 | 103  | 90 - 110   | X438183 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897    | 884   | 102  | 95.4 - 104 | X437159 | 12-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 100    | 99.3  | 101  | 96.4 - 105 | X437068 | 11-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 9.0    | 10.0  | 90.0 | 85 - 115   | X436152 | 12-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |     |          |         |           |  |
|-----------|----------------------|------|------|------|-----|----------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 3.09 | 3.00 | 103 | 90 - 110 | X436143 | 06-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.04 | 2.00 | 102 | 90 - 110 | X436143 | 06-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.06 | 2.00 | 103 | 90 - 110 | X436143 | 06-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.65 | 4.50 | 103 | 90 - 110 | X436143 | 06-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.59 | 2.50 | 104 | 90 - 110 | X436143 | 06-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 10.4 | 10.0 | 104 | 90 - 110 | X436143 | 06-Sep-24 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410082**

Reported: 23-Sep-24 13:18

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|-----|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |     |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | 44.8             | 44.8          | 0.0 | 20        | X437159 - X4H0529-01 | 12-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 20.7             | 20.8          | 0.5 | 20        | X437068 - X4I0121-01 | 11-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 20.7             | 20.8          | 0.5 | 20        | X437068 - X4I0121-01 | 11-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X437068 - X4I0121-01 | 11-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X437068 - X4I0121-01 | 11-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 2180             | 2180          | 0.0 | 10        | X436151 - X4I0082-01 | 11-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 492              | 495           | 0.6 | 10        | X436151 - X4I0105-01 | 11-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | <RL | 10        | X436152 - X4I0082-01 | 12-Sep-24 |       |
| SM 4500 H B                           | pH @19.2°C         | pH Units                  | 7.2              | 7.3           | 1.0 | 20        | X437068 - X4I0121-01 | 11-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                                | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 424          | 401               | 20.0            | 114    | 70 - 130          | X437076 - X4I0082-01 | 13-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 31.2         | 11.7              | 20.0            | 98     | 70 - 130          | X437076 - X4I0112-05 | 13-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 180          | 157               | 20.0            | 115    | 70 - 130          | X437076 - X4I0082-01 | 13-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 22.0         | 2.10              | 20.0            | 99.4   | 70 - 130          | X437076 - X4I0112-05 | 13-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 22.9         | 2.87              | 20.0            | 100    | 70 - 130          | X437076 - X4I0082-01 | 13-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 19.8         | 0.70              | 20.0            | 95.4   | 70 - 130          | X437076 - X4I0112-05 | 13-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 0.963        | <0.080            | 1.00            | 96.3   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 0.942        | <0.080            | 1.00            | 94.2   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.01         | 0.0868            | 1.00            | 92.6   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 0.924        | 0.0149            | 1.00            | 90.9   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 0.974        | <0.00200          | 1.00            | 97.4   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 0.966        | <0.00200          | 1.00            | 96.6   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 0.990        | 0.0489            | 1.00            | 94.1   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 1.11         | 0.172             | 1.00            | 93.8   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.954        | <0.0020           | 1.00            | 95.4   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.939        | <0.0020           | 1.00            | 93.9   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 94.1         | 75.9              | 20.0            | 91.0   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 107          | 88.8              | 20.0            | 92.3   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.956        | <0.0060           | 1.00            | 95.6   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.954        | 0.0099            | 1.00            | 94.4   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.905        | <0.0060           | 1.00            | 90.5   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.899        | <0.0060           | 1.00            | 89.9   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.922        | <0.0100           | 1.00            | 91.3   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.925        | <0.0100           | 1.00            | 92.0   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 9.74         | <0.100            | 10.0            | 97.4   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 9.63         | <0.100            | 10.0            | 96.3   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.982        | <0.0075           | 1.00            | 98.2   | 70 - 130          | X437090 - X4I0064-01 | 18-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.944        | <0.0075           | 1.00            | 94.4   | 70 - 130          | X437090 - X4I0108-02 | 18-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.892        | <0.040            | 1.00            | 89.2   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.904        | <0.040            | 1.00            | 90.4   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 36.7         | 17.6              | 20.0            | 95.6   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 38.3         | 19.4              | 20.0            | 94.4   | 70 - 130          | X437090 - X4I0108-02 | 17-Sep-24 |       |
| EPA 200.7                                                             | Manganese | mg/L  | 0.930        | <0.0080           | 1.00            | 93.0   | 70 - 130          | X437090 - X4I0064-01 | 17-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 9


**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X4I0082**

Reported: 23-Sep-24 13:18

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Metals (Dissolved) (Continued)**

|           |            |      |        |           |        |      |          |                      |           |  |
|-----------|------------|------|--------|-----------|--------|------|----------|----------------------|-----------|--|
| EPA 200.7 | Manganese  | mg/L | 0.913  | <0.0080   | 1.00   | 91.3 | 70 - 130 | X437090 - X4I0108-02 | 17-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.943  | <0.0080   | 1.00   | 94.3 | 70 - 130 | X437090 - X4I0064-01 | 17-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.935  | <0.0080   | 1.00   | 93.5 | 70 - 130 | X437090 - X4I0108-02 | 17-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.892  | <0.0100   | 1.00   | 89.2 | 70 - 130 | X437090 - X4I0064-01 | 17-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.863  | <0.0100   | 1.00   | 86.3 | 70 - 130 | X437090 - X4I0108-02 | 17-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 20.4   | 1.90      | 20.0   | 92.4 | 70 - 130 | X437090 - X4I0064-01 | 17-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 27.8   | 9.74      | 20.0   | 90.2 | 70 - 130 | X437090 - X4I0108-02 | 17-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0494 | <0.0050   | 0.0500 | 98.9 | 70 - 130 | X437090 - X4I0064-01 | 17-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0494 | <0.0050   | 0.0500 | 98.8 | 70 - 130 | X437090 - X4I0108-02 | 17-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 47.8   | 30.3      | 19.0   | 92.0 | 70 - 130 | X437090 - X4I0064-01 | 17-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 97.6   | 81.1      | 19.0   | 87.1 | 70 - 130 | X437090 - X4I0108-02 | 17-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 0.999  | <0.0050   | 1.00   | 99.5 | 70 - 130 | X437090 - X4I0064-01 | 18-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 0.995  | 0.0136    | 1.00   | 98.1 | 70 - 130 | X437090 - X4I0108-02 | 18-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.958  | <0.0100   | 1.00   | 95.8 | 70 - 130 | X437090 - X4I0064-01 | 17-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.951  | <0.0100   | 1.00   | 95.1 | 70 - 130 | X437090 - X4I0108-02 | 17-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0263 | <0.00100  | 0.0250 | 102  | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0247 | <0.00100  | 0.0250 | 98.7 | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0242 | <0.00100  | 0.0250 | 96.1 | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0257 | <0.00100  | 0.0250 | 103  | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0276 | 0.00456   | 0.0250 | 92.2 | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0269 | <0.00100  | 0.0250 | 106  | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0234 | <0.000200 | 0.0250 | 93.6 | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0239 | <0.000200 | 0.0250 | 95.4 | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0757 | 0.0526    | 0.0250 | 92.3 | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0240 | <0.000100 | 0.0250 | 95.8 | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |           |         |     |          |                      |           |  |
|-----------|---------|------|---------|-----------|---------|-----|----------|----------------------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00200 | <0.000200 | 0.00200 | 100 | 70 - 130 | X437205 - X4I0108-01 | 20-Sep-24 |  |
| EPA 245.1 | Mercury | mg/L | 0.00201 | <0.000200 | 0.00200 | 100 | 70 - 130 | X437205 - X4I0153-03 | 20-Sep-24 |  |

**Classical Chemistry Parameters**

|            |                       |      |       |         |       |      |          |                      |           |  |
|------------|-----------------------|------|-------|---------|-------|------|----------|----------------------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.104 | <0.0050 | 0.100 | 104  | 79 - 121 | X437102 - X4I0080-04 | 15-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.104 | <0.0050 | 0.100 | 104  | 90 - 110 | X437016 - X4I0080-07 | 10-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.102 | <0.0050 | 0.100 | 102  | 90 - 110 | X437016 - X4I0080-08 | 10-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L | 1.09  | 0.051   | 1.00  | 104  | 90 - 110 | X437099 - X4I0053-01 | 12-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L | 1.09  | <0.030  | 1.00  | 107  | 90 - 110 | X437099 - X4I0057-01 | 12-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.100 | 0.0050  | 0.100 | 95.0 | 82 - 118 | X438183 - X4I0082-01 | 20-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |        |      |         |          |                      |           |    |
|-----------|----------------------|------|------|--------|------|---------|----------|----------------------|-----------|----|
| EPA 300.0 | Chloride             | mg/L | 21.2 | 18.9   | 3.00 | 0.30R>S | 90 - 110 | X436143 - X4I0083-03 | 06-Sep-24 | M4 |
| EPA 300.0 | Chloride             | mg/L | 19.2 | 16.5   | 3.00 | 90.2    | 90 - 110 | X436143 - X4I0083-04 | 06-Sep-24 |    |
| EPA 300.0 | Fluoride             | mg/L | 2.15 | 0.327  | 2.00 | 91.1    | 90 - 110 | X436143 - X4I0083-03 | 06-Sep-24 |    |
| EPA 300.0 | Fluoride             | mg/L | 2.18 | 0.326  | 2.00 | 92.6    | 90 - 110 | X436143 - X4I0083-04 | 06-Sep-24 |    |
| EPA 300.0 | Nitrate as N         | mg/L | 4.37 | 2.35   | 2.00 | 101     | 90 - 110 | X436143 - X4I0083-03 | 06-Sep-24 |    |
| EPA 300.0 | Nitrate as N         | mg/L | 3.30 | 1.26   | 2.00 | 102     | 90 - 110 | X436143 - X4I0083-04 | 06-Sep-24 |    |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 6.43 | 2.35   | 4.00 | 102     | 90 - 110 | X436143 - X4I0083-03 | 06-Sep-24 |    |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 5.37 | 1.26   | 4.00 | 103     | 90 - 110 | X436143 - X4I0083-04 | 06-Sep-24 |    |
| EPA 300.0 | Nitrite as N         | mg/L | 2.06 | <0.050 | 2.00 | 103     | 90 - 110 | X436143 - X4I0083-03 | 06-Sep-24 |    |
| EPA 300.0 | Nitrite as N         | mg/L | 2.07 | <0.050 | 2.00 | 104     | 90 - 110 | X436143 - X4I0083-04 | 06-Sep-24 |    |
| EPA 300.0 | Sulfate as SO4       | mg/L | 167  | 164    | 10.0 | 0.30R>S | 90 - 110 | X436143 - X4I0083-03 | 06-Sep-24 | M4 |
| EPA 300.0 | Sulfate as SO4       | mg/L | 154  | 147    | 10.0 | 0.30R>S | 90 - 110 | X436143 - X4I0083-04 | 06-Sep-24 | M4 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 7 of 9

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410082**

Reported: 23-Sep-24 13:18

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |     |    |         |                      |    |
|-----------|-----------|------|------|------|------|-----|----|---------|----------------------|----|
| EPA 200.7 | Calcium   | mg/L | 431  | 424  | 20.0 | 2.0 | 20 | 0.30R>S | X437076 - X410082-01 | M3 |
| EPA 200.7 | Magnesium | mg/L | 182  | 180  | 20.0 | 1.1 | 20 | 125     | X437076 - X410082-01 |    |
| EPA 200.7 | Potassium | mg/L | 23.4 | 22.9 | 20.0 | 1.9 | 20 | 102     | X437076 - X410082-01 |    |

**Metals (Dissolved)**

|           |            |      |        |        |        |     |    |      |                      |  |
|-----------|------------|------|--------|--------|--------|-----|----|------|----------------------|--|
| EPA 200.7 | Aluminum   | mg/L | 0.955  | 0.963  | 1.00   | 0.9 | 20 | 95.5 | X437090 - X410064-01 |  |
| EPA 200.7 | Barium     | mg/L | 0.996  | 1.01   | 1.00   | 1.7 | 20 | 90.9 | X437090 - X410064-01 |  |
| EPA 200.7 | Beryllium  | mg/L | 0.967  | 0.974  | 1.00   | 0.8 | 20 | 96.7 | X437090 - X410064-01 |  |
| EPA 200.7 | Boron      | mg/L | 0.981  | 0.990  | 1.00   | 0.9 | 20 | 93.2 | X437090 - X410064-01 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.941  | 0.954  | 1.00   | 1.4 | 20 | 94.1 | X437090 - X410064-01 |  |
| EPA 200.7 | Calcium    | mg/L | 94.3   | 94.1   | 20.0   | 0.3 | 20 | 92.2 | X437090 - X410064-01 |  |
| EPA 200.7 | Chromium   | mg/L | 0.947  | 0.956  | 1.00   | 0.9 | 20 | 94.7 | X437090 - X410064-01 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.896  | 0.905  | 1.00   | 1.0 | 20 | 89.6 | X437090 - X410064-01 |  |
| EPA 200.7 | Copper     | mg/L | 0.915  | 0.922  | 1.00   | 0.8 | 20 | 90.6 | X437090 - X410064-01 |  |
| EPA 200.7 | Iron       | mg/L | 9.63   | 9.74   | 10.0   | 1.2 | 20 | 96.3 | X437090 - X410064-01 |  |
| EPA 200.7 | Lead       | mg/L | 0.956  | 0.982  | 1.00   | 2.7 | 20 | 95.6 | X437090 - X410064-01 |  |
| EPA 200.7 | Lithium    | mg/L | 0.884  | 0.892  | 1.00   | 0.8 | 20 | 88.4 | X437090 - X410064-01 |  |
| EPA 200.7 | Magnesium  | mg/L | 36.1   | 36.7   | 20.0   | 1.6 | 20 | 92.7 | X437090 - X410064-01 |  |
| EPA 200.7 | Manganese  | mg/L | 0.918  | 0.930  | 1.00   | 1.4 | 20 | 91.8 | X437090 - X410064-01 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.941  | 0.943  | 1.00   | 0.2 | 20 | 94.1 | X437090 - X410064-01 |  |
| EPA 200.7 | Nickel     | mg/L | 0.879  | 0.892  | 1.00   | 1.5 | 20 | 87.9 | X437090 - X410064-01 |  |
| EPA 200.7 | Potassium  | mg/L | 20.3   | 20.4   | 20.0   | 0.6 | 20 | 91.8 | X437090 - X410064-01 |  |
| EPA 200.7 | Silver     | mg/L | 0.0487 | 0.0494 | 0.0500 | 1.5 | 20 | 97.4 | X437090 - X410064-01 |  |
| EPA 200.7 | Sodium     | mg/L | 47.9   | 47.8   | 19.0   | 0.2 | 20 | 92.6 | X437090 - X410064-01 |  |
| EPA 200.7 | Vanadium   | mg/L | 0.990  | 0.999  | 1.00   | 0.9 | 20 | 98.6 | X437090 - X410064-01 |  |
| EPA 200.7 | Zinc       | mg/L | 0.946  | 0.958  | 1.00   | 1.3 | 20 | 94.6 | X437090 - X410064-01 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0265 | 0.0263 | 0.0250 | 1.1 | 20 | 103  | X437193 - X410082-01 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0245 | 0.0242 | 0.0250 | 1.2 | 20 | 97.2 | X437193 - X410082-01 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0269 | 0.0276 | 0.0250 | 2.7 | 20 | 89.2 | X437193 - X410082-01 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0233 | 0.0234 | 0.0250 | 0.6 | 20 | 93.0 | X437193 - X410082-01 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0753 | 0.0757 | 0.0250 | 0.5 | 20 | 90.7 | X437193 - X410082-01 |  |

**Metals (Filtered)**

|           |         |      |         |         |         |     |    |      |                      |  |
|-----------|---------|------|---------|---------|---------|-----|----|------|----------------------|--|
| EPA 245.1 | Mercury | mg/L | 0.00198 | 0.00200 | 0.00200 | 1.0 | 20 | 99.2 | X437205 - X410108-01 |  |
|-----------|---------|------|---------|---------|---------|-----|----|------|----------------------|--|

**Classical Chemistry Parameters**

|            |                       |      |       |       |       |     |    |     |                      |  |
|------------|-----------------------|------|-------|-------|-------|-----|----|-----|----------------------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.103 | 0.104 | 0.100 | 1.0 | 11 | 103 | X437102 - X410080-04 |  |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.103 | 0.104 | 0.100 | 0.7 | 20 | 103 | X437016 - X410080-07 |  |
| EPA 350.1  | Ammonia as N          | mg/L | 1.07  | 1.09  | 1.00  | 1.1 | 20 | 102 | X437099 - X410053-01 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.110 | 0.100 | 0.100 | 9.5 | 11 | 105 | X438183 - X410082-01 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |      |     |    |         |                      |    |
|-----------|----------------------|------|------|------|------|-----|----|---------|----------------------|----|
| EPA 300.0 | Chloride             | mg/L | 21.4 | 21.2 | 3.00 | 0.5 | 20 | 0.30R>S | X436143 - X410083-03 | M4 |
| EPA 300.0 | Fluoride             | mg/L | 2.20 | 2.15 | 2.00 | 2.1 | 20 | 93.4    | X436143 - X410083-03 |    |
| EPA 300.0 | Nitrate as N         | mg/L | 4.42 | 4.37 | 2.00 | 1.1 | 20 | 104     | X436143 - X410083-03 |    |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 6.53 | 6.43 | 4.00 | 1.6 | 20 | 105     | X436143 - X410083-03 |    |
| EPA 300.0 | Nitrite as N         | mg/L | 2.11 | 2.06 | 2.00 | 2.6 | 20 | 106     | X436143 - X410083-03 |    |
| EPA 300.0 | Sulfate as SO4       | mg/L | 168  | 167  | 10.0 | 0.7 | 20 | 0.30R>S | X436143 - X410083-03 | M4 |



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410082**

Reported: 23-Sep-24 13:18

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**Notes and Definitions**

|         |                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H1      | Sample analysis performed past holding time.                                                                                                                         |
| H3      | Sample was received and/or analysis requested past holding time.                                                                                                     |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.                |
| M3      | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.                       |
| M4      | The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable. |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                                              |
| RPD     | Relative Percent Difference                                                                                                                                          |
| UDL     | A result is less than the detection limit                                                                                                                            |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                                  |
| <RL     | A result is less than the reporting limit                                                                                                                            |
| MRL     | Method Reporting Limit                                                                                                                                               |
| MDL     | Method Detection Limit                                                                                                                                               |
| N/A     | Not Applicable                                                                                                                                                       |

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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0153**

Reported: 02-Oct-24 16:34

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| GVMW-26A  | X4I0153-01    | Ground Water | 09-Sep-24 11:41 | TR         | 11-Sep-2024   |       |
| GVMW-26B  | X4I0153-02    | Ground Water | 09-Sep-24 12:25 | TR         | 11-Sep-2024   |       |
| GVMW-22A  | X4I0153-03    | Ground Water | 09-Sep-24 14:32 | TR         | 11-Sep-2024   |       |
| GVMW-22B  | X4I0153-04    | Ground Water | 09-Sep-24 13:32 | TR         | 11-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0153**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410153**

Reported: 02-Oct-24 16:34

Client Sample ID: **GVMW-26A**

Sampled: 09-Sep-24 11:41

Received: 11-Sep-24

Sampled By: TR

SVL Sample ID: **X410153-01 (Ground Water)****Sample Report Page 1 of 2**

| Method                                                                | Analyte                    | Result     | Units         | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-----------------------------------------------------------------------|----------------------------|------------|---------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                            |            |               |          |          |          |         |         |                |       |
| EPA 200.7                                                             | <b>Calcium</b>             | 28.7       | mg/L          | 0.100    | 0.069    |          | X438157 | SJN     | 09/23/24 15:34 |       |
| EPA 200.7                                                             | <b>Magnesium</b>           | 6.75       | mg/L          | 0.500    | 0.090    |          | X438157 | SJN     | 09/23/24 15:34 |       |
| EPA 200.7                                                             | <b>Potassium</b>           | 1.07       | mg/L          | 0.50     | 0.18     |          | X438157 | SJN     | 09/23/24 15:34 |       |
| SM 2340 B                                                             | <b>Hardness (as CaCO3)</b> | 101        | mg/L          | 2.31     | 0.543    |          | N/A     |         | 09/23/24 15:34 |       |
| <b>Metals (Dissolved)</b>                                             |                            |            |               |          |          |          |         |         |                |       |
| EPA 200.7                                                             | Aluminum                   | < 0.080    | mg/L          | 0.080    | 0.054    |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | <b>Barium</b>              | 0.196      | mg/L          | 0.0020   | 0.0019   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Beryllium                  | < 0.00200  | mg/L          | 0.00200  | 0.00080  |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Boron                      | < 0.0400   | mg/L          | 0.0400   | 0.0078   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Cadmium                    | < 0.0020   | mg/L          | 0.0020   | 0.0016   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | <b>Calcium</b>             | 29.4       | mg/L          | 0.100    | 0.069    |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Chromium                   | < 0.0060   | mg/L          | 0.0060   | 0.0020   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Cobalt                     | < 0.0060   | mg/L          | 0.0060   | 0.0046   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Copper                     | < 0.0100   | mg/L          | 0.0100   | 0.0027   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Iron                       | < 0.100    | mg/L          | 0.100    | 0.056    |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Lead                       | < 0.0075   | mg/L          | 0.0075   | 0.0049   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Lithium                    | < 0.040    | mg/L          | 0.040    | 0.025    |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | <b>Magnesium</b>           | 6.70       | mg/L          | 0.500    | 0.090    |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Manganese                  | < 0.0080   | mg/L          | 0.0080   | 0.0034   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Molybdenum                 | < 0.0080   | mg/L          | 0.0080   | 0.0034   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Nickel                     | < 0.0100   | mg/L          | 0.0100   | 0.0048   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | <b>Potassium</b>           | 0.95       | mg/L          | 0.50     | 0.18     |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Silver                     | < 0.0050   | mg/L          | 0.0050   | 0.0019   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | <b>Sodium</b>              | 31.6       | mg/L          | 0.50     | 0.12     |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Vanadium                   | < 0.0050   | mg/L          | 0.0050   | 0.0019   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.7                                                             | Zinc                       | < 0.0100   | mg/L          | 0.0100   | 0.0054   |          | X439009 | SJN     | 09/23/24 11:12 |       |
| EPA 200.8                                                             | Antimony                   | < 0.00100  | mg/L          | 0.00100  | 0.00072  |          | X437193 | JRR     | 09/17/24 10:12 |       |
| EPA 200.8                                                             | Arsenic                    | < 0.00100  | mg/L          | 0.00100  | 0.00021  |          | X437193 | JRR     | 09/17/24 10:12 |       |
| EPA 200.8                                                             | Selenium                   | < 0.00100  | mg/L          | 0.00100  | 0.00024  |          | X437193 | JRR     | 09/17/24 10:12 |       |
| EPA 200.8                                                             | Thallium                   | < 0.000200 | mg/L          | 0.000200 | 0.00008  |          | X437193 | JRR     | 09/17/24 10:12 |       |
| EPA 200.8                                                             | <b>Uranium</b>             | 0.00319    | mg/L          | 0.000100 | 0.000052 |          | X437193 | JRR     | 09/17/24 10:12 |       |
| <b>Metals (Filtered)</b>                                              |                            |            |               |          |          |          |         |         |                |       |
| EPA 245.1                                                             | Mercury                    | < 0.000200 | mg/L          | 0.000200 | 0.000093 |          | X437205 | MAC     | 09/20/24 15:20 |       |
| <b>Classical Chemistry Parameters</b>                                 |                            |            |               |          |          |          |         |         |                |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6      | < 0.0050   | mg/L          | 0.0050   | 0.0048   |          | X437239 | DD      | 09/19/24 15:05 |       |
| EPA 335.4                                                             | Cyanide (total)            | < 0.0050   | mg/L          | 0.0050   | 0.0038   |          | X438003 | DD      | 09/16/24 12:42 |       |
| EPA 350.1                                                             | Ammonia as N               | < 0.030    | mg/L          | 0.030    | 0.013    |          | X437176 | DD      | 09/13/24 14:48 |       |
| OIA 1677                                                              | Cyanide (WAD)              | < 0.0050   | mg/L          | 0.0050   | 0.0010   |          | X438183 | DD      | 09/20/24 11:35 |       |
| SM 2310 B                                                             | <b>Acidity to pH 8.3</b>   | -148       | mg/L as CaCO3 | 10.0     |          |          | X438150 | MWD     | 09/23/24 07:30 |       |
| SM 2320 B                                                             | <b>Total Alkalinity</b>    | 156        | mg/L as CaCO3 | 1.0      |          |          | X437221 | MWD     | 09/13/24 18:15 |       |
| SM 2320 B                                                             | <b>Bicarbonate</b>         | 156        | mg/L as CaCO3 | 1.0      |          |          | X437221 | MWD     | 09/13/24 18:15 |       |
| SM 2320 B                                                             | Carbonate                  | < 1.0      | mg/L as CaCO3 | 1.0      |          |          | X437221 | MWD     | 09/13/24 18:15 |       |
| SM 2320 B                                                             | Hydroxide                  | < 1.0      | mg/L as CaCO3 | 1.0      |          |          | X437221 | MWD     | 09/13/24 18:15 |       |
| SM 2540 C                                                             | <b>Total Diss. Solids</b>  | 204        | mg/L          | 10       |          |          | X437195 | TJL     | 09/16/24 13:20 |       |
| SM 2540 D                                                             | <b>Total Susp. Solids</b>  | 8.0        | mg/L          | 5.0      |          |          | X437198 | TJL     | 09/16/24 14:50 |       |
| SM 4500 H B                                                           | <b>pH @20.0°C</b>          | 7.9        | pH Units      |          |          |          | X437221 | MWD     | 09/13/24 18:15 | H5    |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 16



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**Newmont - Cripple Creek & Victor**  
Post Office Box 191  
Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**  
Work Order: **X410153**  
Reported: 02-Oct-24 16:34

Client Sample ID: **GVMW-26A**  
SVL Sample ID: **X410153-01 (Ground Water)**

Sampled: 09-Sep-24 11:41  
Received: 11-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 1.24    | mg/L  | 0.20  | 0.02  |          | X437126 | RS      | 09/11/24 11:41 |       |
| EPA 300.0                           | Chloride             | 1.19    | mg/L  | 0.20  | 0.02  |          | X439111 | RS      | 09/26/24 12:47 |       |
| EPA 300.0                           | Chloride             | 1.20    | mg/L  | 0.20  | 0.02  |          | X439111 | RS      | 09/26/24 13:06 |       |
| EPA 300.0                           | Fluoride             | 2.02    | mg/L  | 0.100 | 0.017 |          | X437126 | RS      | 09/11/24 11:41 |       |
| EPA 300.0                           | Fluoride             | 1.96    | mg/L  | 0.100 | 0.017 |          | X439111 | RS      | 09/26/24 12:47 |       |
| EPA 300.0                           | Fluoride             | 1.98    | mg/L  | 0.100 | 0.017 |          | X439111 | RS      | 09/26/24 13:06 |       |
| EPA 300.0                           | Nitrate as N         | < 0.050 | mg/L  | 0.050 | 0.013 |          | X437126 | RS      | 09/11/24 11:41 | H3    |
| EPA 300.0                           | Nitrate as N         | < 0.050 | mg/L  | 0.050 | 0.013 |          | X439111 | RS      | 09/26/24 12:47 | H1    |
| EPA 300.0                           | Nitrate as N         | < 0.050 | mg/L  | 0.050 | 0.013 |          | X439111 | RS      | 09/26/24 13:06 | H1    |
| EPA 300.0                           | Nitrate+Nitrite as N | < 0.100 | mg/L  | 0.100 | 0.044 |          | X437126 | RS      | 09/11/24 11:41 | H3    |
| EPA 300.0                           | Nitrate+Nitrite as N | < 0.100 | mg/L  | 0.100 | 0.044 |          | X439111 | RS      | 09/26/24 12:47 | H1    |
| EPA 300.0                           | Nitrate+Nitrite as N | < 0.100 | mg/L  | 0.100 | 0.044 |          | X439111 | RS      | 09/26/24 13:06 | H1    |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437126 | RS      | 09/11/24 11:41 | H3    |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X439111 | RS      | 09/26/24 12:47 | H1    |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X439111 | RS      | 09/26/24 13:06 | H1    |
| EPA 300.0                           | Sulfate as SO4       | 14.9    | mg/L  | 0.30  | 0.18  |          | X437126 | RS      | 09/11/24 11:41 |       |
| EPA 300.0                           | Sulfate as SO4       | 14.0    | mg/L  | 0.30  | 0.18  |          | X439111 | RS      | 09/26/24 12:47 |       |
| EPA 300.0                           | Sulfate as SO4       | 14.0    | mg/L  | 0.30  | 0.18  |          | X439111 | RS      | 09/26/24 13:06 |       |

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.40 meq/L

Anion Sum: 3.55 meq/L

C/A Balance: -2.16 %

Calculated TDS: 179

TDS/cTDS: 1.14

This data has been reviewed for accuracy and has been authorized for release.



One Government Gulch - PO Box 929

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410153**

Reported: 02-Oct-24 16:34

Client Sample ID: **GVMW-26B**

Sampled: 09-Sep-24 12:25

Received: 11-Sep-24

Sampled By: TR

SVL Sample ID: **X410153-02 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 10.1 | mg/L | 0.100 | 0.069 |  | X438157 | SJN | 09/23/24 15:38 |  |
| EPA 200.7 | <b>Magnesium</b>           | 2.10 | mg/L | 0.500 | 0.090 |  | X438157 | SJN | 09/23/24 15:38 |  |
| EPA 200.7 | <b>Potassium</b>           | 0.79 | mg/L | 0.50  | 0.18  |  | X438157 | SJN | 09/23/24 15:38 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 33.8 | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/23/24 11:16 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | <b>Barium</b>    | 0.101      | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | <b>Calcium</b>   | 10.4       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | <b>Magnesium</b> | 2.10       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Manganese        | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | <b>Potassium</b> | 0.78       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | <b>Sodium</b>    | 10.1       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 11:16 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X437193 | JRR | 09/17/24 10:15 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X437193 | JRR | 09/17/24 10:15 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X437193 | JRR | 09/17/24 10:15 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X437193 | JRR | 09/17/24 10:15 |  |
| EPA 200.8 | Uranium          | < 0.000100 | mg/L | 0.000100 | 0.000052 |  | X437193 | JRR | 09/17/24 10:15 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437205 | MAC | 09/20/24 15:22 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437239 | DD  | 09/19/24 15:07 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 12:44 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013  |  | X437176 | DD  | 09/13/24 14:49 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 11:36 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -28.3    | mg/L as CaCO3 | 10.0   |        |  | X438150 | MWD | 09/23/24 07:30 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 32.9     | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:21 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 32.9     | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:21 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:21 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:21 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 87       | mg/L          | 10     |        |  | X437195 | TJL | 09/16/24 13:20 |    |
| SM 2540 D   | Total Susp. Solids        | < 5.0    | mg/L          | 5.0    |        |  | X437198 | TJL | 09/16/24 14:50 |    |
| SM 4500 H B | <b>pH @20.0°C</b>         | 6.6      | pH Units      |        |        |  | X437221 | MWD | 09/13/24 18:21 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 16



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Kellogg, ID 83837-0929  
(208) 784-1258  
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|                                                                             |                                                                                                            |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Newmont - Cripple Creek & Victor<br>Post Office Box 191<br>Victor, CO 80860 | Project Name: Cripple Creek/Victor Water and Soil 2024<br>Work Order: X410153<br>Reported: 02-Oct-24 16:34 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-26B**  
SVL Sample ID: **X410153-02 (Ground Water)**

Sampled: 09-Sep-24 12:25  
Received: 11-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                       | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| Anions by Ion Chromatography |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                    | Chloride             | 1.89    | mg/L  | 0.20  | 0.02  |          | X437126 | RS      | 09/11/24 10:45 |       |
| EPA 300.0                    | Fluoride             | 0.208   | mg/L  | 0.100 | 0.017 |          | X437126 | RS      | 09/11/24 10:45 |       |
| EPA 300.0                    | Nitrate as N         | 0.737   | mg/L  | 0.050 | 0.013 |          | X437126 | RS      | 09/11/24 10:45 |       |
| EPA 300.0                    | Nitrate+Nitrite as N | 0.737   | mg/L  | 0.100 | 0.044 |          | X437126 | RS      | 09/11/24 10:45 |       |
| EPA 300.0                    | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437126 | RS      | 09/11/24 10:45 |       |
| EPA 300.0                    | Sulfate as SO4       | 21.5    | mg/L  | 0.30  | 0.18  |          | X437126 | RS      | 09/11/24 10:45 |       |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                    |                |
|------------------------|-----------------------|----------------------|--------------------|----------------|
| Cation Sum: 1.15 meq/L | Anion Sum: 1.22 meq/L | C/A Balance: -3.01 % | Calculated TDS: 70 | TDS/cTDS: 1.25 |
|------------------------|-----------------------|----------------------|--------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410153**

Reported: 02-Oct-24 16:34

Client Sample ID: **GVMW-22A**

Sampled: 09-Sep-24 14:32

Received: 11-Sep-24

Sampled By: TR

SVL Sample ID: **X410153-03 (Ground Water)****Sample Report Page 1 of 2**

| Method                                                                | Analyte                    | Result | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-----------------------------------------------------------------------|----------------------------|--------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                            |        |       |       |       |          |         |         |                |       |
| EPA 200.7                                                             | <b>Calcium</b>             | 27.4   | mg/L  | 0.100 | 0.069 |          | X438157 | SJN     | 09/23/24 15:41 |       |
| EPA 200.7                                                             | <b>Magnesium</b>           | 11.5   | mg/L  | 0.500 | 0.090 |          | X438157 | SJN     | 09/23/24 15:41 |       |
| EPA 200.7                                                             | <b>Potassium</b>           | 1.28   | mg/L  | 0.50  | 0.18  |          | X438157 | SJN     | 09/23/24 15:41 |       |
| SM 2340 B                                                             | <b>Hardness (as CaCO3)</b> | 117    | mg/L  | 2.31  | 0.543 |          | N/A     |         | 09/23/24 15:41 |       |

**Metals (Dissolved)**

|           |                   |            |      |          |          |  |         |     |                |  |
|-----------|-------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum          | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | <b>Barium</b>     | 0.0997     | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Beryllium         | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Boron             | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Cadmium           | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | <b>Calcium</b>    | 28.2       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Chromium          | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Cobalt            | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Copper            | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Iron              | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Lead              | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Lithium           | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | <b>Magnesium</b>  | 11.4       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | <b>Manganese</b>  | 0.163      | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | <b>Molybdenum</b> | 0.0094     | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Nickel            | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | <b>Potassium</b>  | 1.22       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Silver            | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | <b>Sodium</b>     | 37.4       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Vanadium          | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.7 | Zinc              | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 11:19 |  |
| EPA 200.8 | Antimony          | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X437193 | JRR | 09/17/24 10:20 |  |
| EPA 200.8 | Arsenic           | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X437193 | JRR | 09/17/24 10:20 |  |
| EPA 200.8 | Selenium          | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X437193 | JRR | 09/17/24 10:20 |  |
| EPA 200.8 | Thallium          | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X437193 | JRR | 09/17/24 10:20 |  |
| EPA 200.8 | <b>Uranium</b>    | 0.00328    | mg/L | 0.000100 | 0.000052 |  | X437193 | JRR | 09/17/24 10:20 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437205 | MAC | 09/20/24 15:24 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437239 | DD  | 09/19/24 15:09 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 12:47 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013  |  | X437176 | DD  | 09/13/24 14:51 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 11:38 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -163     | mg/L as CaCO3 | 10.0   |        |  | X438150 | MWD | 09/23/24 07:30 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 167      | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:26 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 167      | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:26 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:26 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:26 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 212      | mg/L          | 10     |        |  | X437195 | TJL | 09/16/24 13:20 |    |
| SM 2540 D   | Total Susp. Solids        | < 5.0    | mg/L          | 5.0    |        |  | X437198 | TJL | 09/16/24 14:50 |    |
| SM 4500 H B | <b>pH @19.9°C</b>         | 7.9      | pH Units      |        |        |  | X437221 | MWD | 09/13/24 18:26 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 16



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410153</b><br>Reported: 02-Oct-24 16:34 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-22A**  
SVL Sample ID: **X410153-03 (Ground Water)**

Sampled: 09-Sep-24 14:32  
Received: 11-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte               | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|-----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                       |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | <b>Chloride</b>       | 3.79    | mg/L  | 0.20  | 0.02  |          | X437126 | RS      | 09/11/24 11:22 |       |
| EPA 300.0                           | <b>Fluoride</b>       | 2.37    | mg/L  | 0.100 | 0.017 |          | X437126 | RS      | 09/11/24 11:22 |       |
| EPA 300.0                           | Nitrate as N          | < 0.050 | mg/L  | 0.050 | 0.013 |          | X437126 | RS      | 09/11/24 11:22 |       |
| EPA 300.0                           | Nitrate+Nitrite as N  | < 0.100 | mg/L  | 0.100 | 0.044 |          | X437126 | RS      | 09/11/24 11:22 |       |
| EPA 300.0                           | Nitrite as N          | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437126 | RS      | 09/11/24 11:22 |       |
| EPA 300.0                           | <b>Sulfate as SO4</b> | 33.4    | mg/L  | 0.30  | 0.18  |          | X437126 | RS      | 09/11/24 11:22 |       |

**Cation/Anion Balance and TDS Ratios**

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 3.98 meq/L | Anion Sum: 4.27 meq/L | C/A Balance: -3.43 % | Calculated TDS: 218 | TDS/cTDS: 0.97 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410153**

Reported: 02-Oct-24 16:34

Client Sample ID: **GVMW-22B**

Sampled: 09-Sep-24 13:32

Received: 11-Sep-24

Sampled By: TR

SVL Sample ID: **X410153-04 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 27.1 | mg/L | 0.100 | 0.069 |  | X438157 | SJN | 09/23/24 15:45 |  |
| EPA 200.7 | <b>Magnesium</b>           | 7.27 | mg/L | 0.500 | 0.090 |  | X438157 | SJN | 09/23/24 15:45 |  |
| EPA 200.7 | <b>Potassium</b>           | 1.39 | mg/L | 0.50  | 0.18  |  | X438157 | SJN | 09/23/24 15:45 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 96.2 | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/23/24 15:45 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | <b>Barium</b>    | 0.0486     | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | <b>Calcium</b>   | 26.6       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | <b>Magnesium</b> | 6.96       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Manganese        | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | <b>Potassium</b> | 1.32       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | <b>Sodium</b>    | 16.3       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 11:27 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X437193 | JRR | 09/17/24 10:22 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X437193 | JRR | 09/17/24 10:22 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X437193 | JRR | 09/17/24 10:22 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X437193 | JRR | 09/17/24 10:22 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.000531   | mg/L | 0.000100 | 0.000052 |  | X437193 | JRR | 09/17/24 10:22 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437205 | MAC | 09/20/24 15:26 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437239 | DD  | 09/19/24 15:11 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 12:50 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013  |  | X437176 | DD  | 09/13/24 14:53 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 11:39 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -58.1    | mg/L as CaCO3 | 10.0   |        |  | X438150 | MWD | 09/23/24 07:30 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 62.5     | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:32 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 62.5     | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:32 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:32 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:32 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 195      | mg/L          | 10     |        |  | X437195 | TJL | 09/16/24 13:20 |    |
| SM 2540 D   | Total Susp. Solids        | < 5.0    | mg/L          | 5.0    |        |  | X437198 | TJL | 09/16/24 14:50 |    |
| SM 4500 H B | <b>pH @19.9°C</b>         | 6.9      | pH Units      |        |        |  | X437221 | MWD | 09/13/24 18:32 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 16



One Government Gulch - PO Box 929  
Kellogg, ID 83837-0929  
(208) 784-1258  
[www.svl.net](http://www.svl.net)

|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410153</b><br>Reported: 02-Oct-24 16:34 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-22B**  
SVL Sample ID: **X410153-04 (Ground Water)**

Sampled: 09-Sep-24 13:32  
Received: 11-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 10.4    | mg/L  | 0.20  | 0.02  |          | X437126 | RS      | 09/11/24 11:04 |       |
| EPA 300.0                           | Fluoride             | 0.375   | mg/L  | 0.100 | 0.017 |          | X437126 | RS      | 09/11/24 11:04 |       |
| EPA 300.0                           | Nitrate as N         | 0.631   | mg/L  | 0.050 | 0.013 |          | X437126 | RS      | 09/11/24 11:04 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | 0.631   | mg/L  | 0.100 | 0.044 |          | X437126 | RS      | 09/11/24 11:04 |       |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437126 | RS      | 09/11/24 11:04 |       |
| EPA 300.0                           | Sulfate as SO4       | 59.0    | mg/L  | 3.00  | 1.80  | 10       | X437126 | RS      | 09/11/24 13:07 |       |

**Cation/Anion Balance and TDS Ratios**

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 2.66 meq/L | Anion Sum: 2.84 meq/L | C/A Balance: -3.26 % | Calculated TDS: 162 | TDS/cTDS: 1.21 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410153**

Reported: 02-Oct-24 16:34

**Quality Control - BLANK Data**

| Method                                                                | Analyte               | Units         | Result    | MDL      | MRL      | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|---------------|-----------|----------|----------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X438157  | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X438157  | 23-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X438157  | 23-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L          | <0.080    | 0.054    | 0.080    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium                | mg/L          | <0.0020   | 0.0019   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L          | <0.00200  | 0.00080  | 0.00200  | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L          | <0.0400   | 0.0078   | 0.0400   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium               | mg/L          | <0.0020   | 0.0016   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L          | <0.0060   | 0.0020   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt                | mg/L          | <0.0060   | 0.0046   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper                | mg/L          | <0.0100   | 0.0027   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L          | <0.100    | 0.056    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead                  | mg/L          | <0.0075   | 0.0049   | 0.0075   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium               | mg/L          | <0.040    | 0.025    | 0.040    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L          | <0.0100   | 0.0048   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Silver                | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L          | <0.50     | 0.12     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Vanadium              | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L          | <0.0100   | 0.0054   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X437193  | 17-Sep-24 |       |
| <b>Metals (Filtered)</b>                                              |                       |               |           |          |          |          |           |       |
| EPA 245.1                                                             | Mercury               | mg/L          | <0.000200 | 0.000093 | 0.000200 | X437205  | 20-Sep-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |               |           |          |          |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L          | <0.0050   | 0.0048   | 0.0050   | X437239  | 19-Sep-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L          | <0.0050   | 0.0038   | 0.0050   | X438003  | 16-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | <0.030    | 0.013    | 0.030    | X437176  | 13-Sep-24 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L          | <0.0050   | 0.0010   | 0.0050   | X438183  | 20-Sep-24 |       |
| SM 2310 B                                                             | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0     |          | 10.0     | X438150  | 23-Sep-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2320 B                                                             | Bicarbonate           | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2320 B                                                             | Carbonate             | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2320 B                                                             | Hydroxide             | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2540 C                                                             | Total Diss. Solids    | mg/L          | <10       |          | 10       | X437195  | 16-Sep-24 |       |
| SM 2540 D                                                             | Total Susp. Solids    | mg/L          | <5.0      |          | 5.0      | X437198  | 16-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |               |           |          |          |          |           |       |
| EPA 300.0                                                             | Chloride              | mg/L          | <0.20     | 0.02     | 0.20     | X437126  | 11-Sep-24 |       |
| EPA 300.0                                                             | Chloride              | mg/L          | <0.20     | 0.02     | 0.20     | X439111  | 26-Sep-24 |       |
| EPA 300.0                                                             | Fluoride              | mg/L          | <0.100    | 0.017    | 0.100    | X437126  | 11-Sep-24 |       |
| EPA 300.0                                                             | Fluoride              | mg/L          | <0.100    | 0.017    | 0.100    | X439111  | 26-Sep-24 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L          | <0.050    | 0.013    | 0.050    | X437126  | 11-Sep-24 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L          | <0.050    | 0.013    | 0.050    | X439111  | 26-Sep-24 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L          | <0.100    | 0.044    | 0.100    | X437126  | 11-Sep-24 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L          | <0.100    | 0.044    | 0.100    | X439111  | 26-Sep-24 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L          | <0.050    | 0.031    | 0.050    | X437126  | 11-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 10 of 16

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order:

**X410153**

Reported:

02-Oct-24 16:34

**Quality Control - BLANK Data (Continued)**

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|--------|---------|-------|--------|-----|-----|----------|----------|-------|
|--------|---------|-------|--------|-----|-----|----------|----------|-------|

**Anions by Ion Chromatography (Continued)**

|           |                |      |        |       |       |         |           |  |
|-----------|----------------|------|--------|-------|-------|---------|-----------|--|
| EPA 300.0 | Nitrite as N   | mg/L | <0.050 | 0.031 | 0.050 | X439111 | 26-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4 | mg/L | <0.30  | 0.18  | 0.30  | X437126 | 11-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4 | mg/L | <0.30  | 0.18  | 0.30  | X439111 | 26-Sep-24 |  |

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 18.8 | 20.0 | 94   | 85 - 115 | X438157 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.5 | 20.0 | 97.6 | 85 - 115 | X438157 | 23-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | 19.1 | 20.0 | 95.5 | 85 - 115 | X438157 | 23-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.04   | 1.00   | 104  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.978  | 1.00   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 19.6   | 20.0   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.997  | 1.00   | 99.7 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.961  | 1.00   | 96.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.95   | 10.0   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.972  | 1.00   | 97.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.2   | 20.0   | 95.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.992  | 1.00   | 99.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.995  | 1.00   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.6   | 20.0   | 98.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0524 | 0.0500 | 105  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 19.1   | 19.0   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0249 | 0.0250 | 99.7 | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0246 | 0.0250 | 98.4 | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0254 | 0.0250 | 101  | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0250 | 0.0250 | 100  | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0260 | 0.0250 | 104  | 85 - 115 | X437193 | 17-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |      |          |         |           |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00183 | 0.00200 | 91.5 | 85 - 115 | X437205 | 20-Sep-24 |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |       |       |      |            |         |           |  |
|------------|-----------------------|---------------|-------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.101 | 0.100 | 101  | 90 - 110   | X437239 | 19-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.109 | 0.100 | 109  | 90 - 110   | X438003 | 16-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 0.948 | 1.00  | 94.8 | 90 - 110   | X437176 | 13-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.103 | 0.100 | 103  | 90 - 110   | X438183 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 868   | 884   | 98.1 | 95.4 - 104 | X438150 | 23-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 9.60  | 9.93  | 96.7 | 96.4 - 105 | X437221 | 13-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 100   | 99.3  | 101  | 96.4 - 105 | X437221 | 13-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 402   | 397   | 101  | 96.4 - 105 | X437221 | 13-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 9.0   | 10.0  | 90.0 | 85 - 115   | X437198 | 16-Sep-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 11 of 16

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0153**

Reported: 02-Oct-24 16:34

**Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)**

| Method                              | Analyte              | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed  | Notes |
|-------------------------------------|----------------------|-------|------------|----------|--------|-------------------|----------|-----------|-------|
| <b>Anions by Ion Chromatography</b> |                      |       |            |          |        |                   |          |           |       |
| EPA 300.0                           | Chloride             | mg/L  | 3.14       | 3.00     | 105    | 90 - 110          | X437126  | 11-Sep-24 |       |
| EPA 300.0                           | Chloride             | mg/L  | 3.04       | 3.00     | 101    | 90 - 110          | X439111  | 26-Sep-24 |       |
| EPA 300.0                           | Fluoride             | mg/L  | 2.07       | 2.00     | 103    | 90 - 110          | X437126  | 11-Sep-24 |       |
| EPA 300.0                           | Fluoride             | mg/L  | 2.00       | 2.00     | 100    | 90 - 110          | X439111  | 26-Sep-24 |       |
| EPA 300.0                           | Nitrate as N         | mg/L  | 2.11       | 2.00     | 105    | 90 - 110          | X437126  | 11-Sep-24 |       |
| EPA 300.0                           | Nitrate as N         | mg/L  | 2.04       | 2.00     | 102    | 90 - 110          | X439111  | 26-Sep-24 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | mg/L  | 4.75       | 4.50     | 106    | 90 - 110          | X437126  | 11-Sep-24 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | mg/L  | 4.61       | 4.50     | 102    | 90 - 110          | X439111  | 26-Sep-24 |       |
| EPA 300.0                           | Nitrite as N         | mg/L  | 2.64       | 2.50     | 106    | 90 - 110          | X437126  | 11-Sep-24 |       |
| EPA 300.0                           | Nitrite as N         | mg/L  | 2.56       | 2.50     | 103    | 90 - 110          | X439111  | 26-Sep-24 |       |
| EPA 300.0                           | Sulfate as SO4       | mg/L  | 10.7       | 10.0     | 107    | 90 - 110          | X437126  | 11-Sep-24 |       |
| EPA 300.0                           | Sulfate as SO4       | mg/L  | 10.2       | 10.0     | 102    | 90 - 110          | X439111  | 26-Sep-24 |       |

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units         | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------|------------------|---------------|-----|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |               |                  |               |     |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO3 | <10.0            | <10.0         | UDL | 20        | X438150 - X4I0153-01 | 23-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO3 | 32.9             | 32.9          | 0.0 | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO3 | 32.9             | 32.9          | 0.0 | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO3 | <1.0             | <1.0          | UDL | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO3 | <1.0             | <1.0          | UDL | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L          | 207              | 212           | 2.4 | 10        | X437195 - X4I0153-03 | 16-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L          | 320              | 329           | 2.8 | 10        | X437195 - X4I0168-02 | 16-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L          | <5.0             | <5.0          | <RL | 10        | X437198 - X4I0153-03 | 16-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L          | <5.0             | <5.0          | UDL | 10        | X437198 - X4I0168-02 | 16-Sep-24 |       |
| SM 4500 H B                           | pH @19.9°C         | pH Units      | 6.6              | 6.6           | 0.3 | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                         | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|----------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| Metals (Total Recoverable--reportable as Total per 40 CFR 136) |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 47.6         | 28.7              | 20.0            | 95     | 70 - 130          | X438157 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 149          | 130               | 20.0            | 95     | 70 - 130          | X438157 - X4I0197-04 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 27.1         | 6.75              | 20.0            | 102    | 70 - 130          | X438157 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 20.7         | <0.500            | 20.0            | 104    | 70 - 130          | X438157 - X4I0197-04 | 23-Sep-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 20.2         | 1.07              | 20.0            | 95.7   | 70 - 130          | X438157 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 33.1         | 13.4              | 20.0            | 98.7   | 70 - 130          | X438157 - X4I0197-04 | 23-Sep-24 |       |
| Metals (Dissolved)                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.01         | <0.080            | 1.00            | 101    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.02         | <0.080            | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 1.18         | 0.196             | 1.00            | 98.5   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 1.09         | 0.101             | 1.00            | 98.9   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 1.01         | <0.0400           | 1.00            | 98.8   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 0.996        | <0.0400           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0153**

Reported: 02-Oct-24 16:34

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte    | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|------------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |            |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                             | Cadmium    | mg/L  | 0.987        | <0.0020           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Cadmium    | mg/L  | 0.983        | <0.0020           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Calcium    | mg/L  | 48.3         | 29.4              | 20.0            | 94.9   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Calcium    | mg/L  | 29.9         | 10.4              | 20.0            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Chromium   | mg/L  | 0.984        | <0.0060           | 1.00            | 98.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Chromium   | mg/L  | 0.993        | <0.0060           | 1.00            | 99.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Cobalt     | mg/L  | 0.966        | <0.0060           | 1.00            | 96.6   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Cobalt     | mg/L  | 0.956        | <0.0060           | 1.00            | 95.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Copper     | mg/L  | 0.974        | <0.0100           | 1.00            | 97.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Copper     | mg/L  | 0.976        | <0.0100           | 1.00            | 97.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Iron       | mg/L  | 9.73         | <0.100            | 10.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Iron       | mg/L  | 10.0         | <0.100            | 10.0            | 100    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Lead       | mg/L  | 0.983        | <0.0075           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Lead       | mg/L  | 0.975        | <0.0075           | 1.00            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Lithium    | mg/L  | 0.981        | <0.040            | 1.00            | 98.1   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Lithium    | mg/L  | 0.934        | <0.040            | 1.00            | 93.4   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Magnesium  | mg/L  | 26.2         | 6.70              | 20.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Magnesium  | mg/L  | 21.7         | 2.10              | 20.0            | 98.1   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Manganese  | mg/L  | 0.987        | <0.0080           | 1.00            | 98.0   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Manganese  | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum | mg/L  | 1.01         | <0.0080           | 1.00            | 100    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel     | mg/L  | 0.966        | <0.0100           | 1.00            | 96.6   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel     | mg/L  | 0.957        | <0.0100           | 1.00            | 95.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium  | mg/L  | 20.1         | 0.95              | 20.0            | 95.6   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium  | mg/L  | 20.5         | 0.78              | 20.0            | 98.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Silver     | mg/L  | 0.0539       | <0.0050           | 0.0500          | 108    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Silver     | mg/L  | 0.0533       | <0.0050           | 0.0500          | 107    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium     | mg/L  | 49.6         | 31.6              | 19.0            | 95.1   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium     | mg/L  | 28.9         | 10.1              | 19.0            | 98.8   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium   | mg/L  | 1.00         | <0.0050           | 1.00            | 100    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium   | mg/L  | 1.00         | <0.0050           | 1.00            | 100    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc       | mg/L  | 1.01         | <0.0100           | 1.00            | 101    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc       | mg/L  | 1.00         | <0.0100           | 1.00            | 100    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony   | mg/L  | 0.0263       | <0.00100          | 0.0250          | 102    | 70 - 130          | X437193 - X4I0082-01 | 17-Sep-24 |       |
| EPA 200.8                             | Antimony   | mg/L  | 0.0247       | <0.00100          | 0.0250          | 98.7   | 70 - 130          | X437193 - X4I0153-02 | 17-Sep-24 |       |
| EPA 200.8                             | Arsenic    | mg/L  | 0.0242       | <0.00100          | 0.0250          | 96.1   | 70 - 130          | X437193 - X4I0082-01 | 17-Sep-24 |       |
| EPA 200.8                             | Arsenic    | mg/L  | 0.0257       | <0.00100          | 0.0250          | 103    | 70 - 130          | X437193 - X4I0153-02 | 17-Sep-24 |       |
| EPA 200.8                             | Selenium   | mg/L  | 0.0276       | 0.00456           | 0.0250          | 92.2   | 70 - 130          | X437193 - X4I0082-01 | 17-Sep-24 |       |
| EPA 200.8                             | Selenium   | mg/L  | 0.0269       | <0.00100          | 0.0250          | 106    | 70 - 130          | X437193 - X4I0153-02 | 17-Sep-24 |       |
| EPA 200.8                             | Thallium   | mg/L  | 0.0234       | <0.000200         | 0.0250          | 93.6   | 70 - 130          | X437193 - X4I0082-01 | 17-Sep-24 |       |
| EPA 200.8                             | Thallium   | mg/L  | 0.0239       | <0.000200         | 0.0250          | 95.4   | 70 - 130          | X437193 - X4I0153-02 | 17-Sep-24 |       |
| EPA 200.8                             | Uranium    | mg/L  | 0.0757       | 0.0526            | 0.0250          | 92.3   | 70 - 130          | X437193 - X4I0082-01 | 17-Sep-24 |       |
| EPA 200.8                             | Uranium    | mg/L  | 0.0240       | <0.000100         | 0.0250          | 95.8   | 70 - 130          | X437193 - X4I0153-02 | 17-Sep-24 |       |
| <b>Metals (Filtered)</b>              |            |       |              |                   |                 |        |                   |                      |           |       |
| EPA 245.1                             | Mercury    | mg/L  | 0.00200      | <0.000200         | 0.00200         | 100    | 70 - 130          | X437205 - X4I0108-01 | 20-Sep-24 |       |
| EPA 245.1                             | Mercury    | mg/L  | 0.00201      | <0.000200         | 0.00200         | 100    | 70 - 130          | X437205 - X4I0153-03 | 20-Sep-24 |       |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0153**

Reported: 02-Oct-24 16:34

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte               | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|-----------------------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                       |       |              |                   |                 |        |                   |                      |           |       |
| ASTM D7237                            | Cyanide (free) @ pH 6 | mg/L  | 0.103        | <0.0050           | 0.100           | 103    | 79 - 121          | X437239 - X4I0138-01 | 19-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.0989       | <0.0050           | 0.100           | 98.9   | 90 - 110          | X438003 - X4I0153-01 | 17-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.0987       | <0.0050           | 0.100           | 98.7   | 90 - 110          | X438003 - X4I0153-02 | 17-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.04         | <0.030            | 1.00            | 102    | 90 - 110          | X437176 - X4I0133-02 | 13-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.09         | 0.099             | 1.00            | 98.8   | 90 - 110          | X437176 - X4I0133-01 | 13-Sep-24 |       |
| OIA 1677                              | Cyanide (WAD)         | mg/L  | 0.100        | 0.0050            | 0.100           | 95.0   | 82 - 118          | X438183 - X4I0082-01 | 20-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>   |                       |       |              |                   |                 |        |                   |                      |           |       |
| EPA 300.0                             | Chloride              | mg/L  | 3.29         | 0.20              | 3.00            | 103    | 90 - 110          | X437126 - X4I0125-01 | 11-Sep-24 |       |
| EPA 300.0                             | Chloride              | mg/L  | 3.92         | 0.73              | 3.00            | 107    | 90 - 110          | X437126 - X4I0154-01 | 11-Sep-24 |       |
| EPA 300.0                             | Chloride              | mg/L  | 10.9         | 8.04              | 3.00            | 96.9   | 90 - 110          | X439111 - X4I0373-03 | 26-Sep-24 |       |
| EPA 300.0                             | Chloride              | mg/L  | 8.92         | 5.95              | 3.00            | 99.0   | 90 - 110          | X439111 - X4I0373-04 | 26-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.11         | <0.100            | 2.00            | 103    | 90 - 110          | X437126 - X4I0125-01 | 11-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.30         | 0.255             | 2.00            | 102    | 90 - 110          | X437126 - X4I0154-01 | 11-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 5.13         | 3.14              | 2.00            | 99.5   | 90 - 110          | X439111 - X4I0373-03 | 26-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.60         | 0.556             | 2.00            | 102    | 90 - 110          | X439111 - X4I0373-04 | 26-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 2.13         | 0.070             | 2.00            | 103    | 90 - 110          | X437126 - X4I0125-01 | 11-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 2.07         | <0.050            | 2.00            | 102    | 90 - 110          | X437126 - X4I0154-01 | 11-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 2.10         | 0.096             | 2.00            | 100    | 90 - 110          | X439111 - X4I0373-03 | 26-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 1.99         | <0.050            | 2.00            | 98.3   | 90 - 110          | X439111 - X4I0373-04 | 26-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.21         | <0.100            | 4.00            | 104    | 90 - 110          | X437126 - X4I0125-01 | 11-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.17         | <0.100            | 4.00            | 104    | 90 - 110          | X437126 - X4I0154-01 | 11-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.11         | <0.100            | 4.00            | 100    | 90 - 110          | X439111 - X4I0373-03 | 26-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 3.97         | <0.100            | 4.00            | 99.3   | 90 - 110          | X439111 - X4I0373-04 | 26-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.08         | <0.050            | 2.00            | 104    | 90 - 110          | X437126 - X4I0125-01 | 11-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.09         | <0.050            | 2.00            | 105    | 90 - 110          | X437126 - X4I0154-01 | 11-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.01         | <0.050            | 2.00            | 101    | 90 - 110          | X439111 - X4I0373-03 | 26-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 1.98         | <0.050            | 2.00            | 99.1   | 90 - 110          | X439111 - X4I0373-04 | 26-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 12.7         | 1.69              | 10.0            | 110    | 90 - 110          | X437126 - X4I0125-01 | 11-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 10.9         | 0.34              | 10.0            | 105    | 90 - 110          | X437126 - X4I0154-01 | 11-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 30.9         | 20.6              | 10.0            | 103    | 90 - 110          | X439111 - X4I0373-03 | 26-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 19.2         | 8.92              | 10.0            | 103    | 90 - 110          | X439111 - X4I0373-04 | 26-Sep-24 |       |

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method                                                                | Analyte   | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID  | Notes |
|-----------------------------------------------------------------------|-----------|-------|------------|--------------|-------------|-----|-----------|------------|----------------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |           |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 48.4       | 47.6         | 20.0        | 2.0 | 20        | 99         | X438157 - X4I0153-01 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 27.6       | 27.1         | 20.0        | 2.0 | 20        | 104        | X438157 - X4I0153-01 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 20.6       | 20.2         | 20.0        | 1.9 | 20        | 97.6       | X438157 - X4I0153-01 |       |
| <b>Metals (Dissolved)</b>                                             |           |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.01       | 1.01         | 1.00        | 0.5 | 20        | 101        | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.17       | 1.18         | 1.00        | 0.6 | 20        | 97.8       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.02       | 1.02         | 1.00        | 0.4 | 20        | 102        | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 1.01       | 1.01         | 1.00        | 0.3 | 20        | 99.0       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.975      | 0.987        | 1.00        | 1.2 | 20        | 97.5       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 48.7       | 48.3         | 20.0        | 0.7 | 20        | 96.6       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.986      | 0.984        | 1.00        | 0.2 | 20        | 98.6       | X439009 - X4I0153-01 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0153**

Reported: 02-Oct-24 16:34

**Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)**

| Method                                | Analyte               | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID  | Notes |
|---------------------------------------|-----------------------|-------|------------|--------------|-------------|-----|-----------|------------|----------------------|-------|
| <b>Metals (Dissolved) (Continued)</b> |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                             | Cobalt                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Copper                | mg/L  | 0.974      | 0.974        | 1.00        | 0.0 | 20        | 97.4       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Iron                  | mg/L  | 9.97       | 9.73         | 10.0        | 2.4 | 20        | 99.7       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Lead                  | mg/L  | 0.974      | 0.983        | 1.00        | 0.9 | 20        | 97.4       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Lithium               | mg/L  | 0.977      | 0.981        | 1.00        | 0.3 | 20        | 97.7       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Magnesium             | mg/L  | 26.7       | 26.2         | 20.0        | 1.9 | 20        | 99.8       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Manganese             | mg/L  | 0.986      | 0.987        | 1.00        | 0.1 | 20        | 98.0       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 0.999      | 1.01         | 1.00        | 0.6 | 20        | 99.5       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.7       | 20.1         | 20.0        | 2.9 | 20        | 98.5       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0530     | 0.0539       | 0.0500      | 1.6 | 20        | 106        | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Sodium                | mg/L  | 49.9       | 49.6         | 19.0        | 0.6 | 20        | 96.7       | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00       | 1.00         | 1.00        | 0.4 | 20        | 100        | X439009 - X4I0153-01 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.00       | 1.01         | 1.00        | 1.0 | 20        | 100        | X439009 - X4I0153-01 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0265     | 0.0263       | 0.0250      | 1.1 | 20        | 103        | X437193 - X4I0082-01 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0245     | 0.0242       | 0.0250      | 1.2 | 20        | 97.2       | X437193 - X4I0082-01 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0269     | 0.0276       | 0.0250      | 2.7 | 20        | 89.2       | X437193 - X4I0082-01 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0233     | 0.0234       | 0.0250      | 0.6 | 20        | 93.0       | X437193 - X4I0082-01 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0753     | 0.0757       | 0.0250      | 0.5 | 20        | 90.7       | X437193 - X4I0082-01 |       |
| <b>Metals (Filtered)</b>              |                       |       |            |              |             |     |           |            |                      |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00198    | 0.00200      | 0.00200     | 1.0 | 20        | 99.2       | X437205 - X4I0108-01 |       |
| <b>Classical Chemistry Parameters</b> |                       |       |            |              |             |     |           |            |                      |       |
| ASTM D7237                            | Cyanide (free) @ pH 6 | mg/L  | 0.102      | 0.103        | 0.100       | 1.0 | 11        | 102        | X437239 - X4I0138-01 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.106      | 0.0989       | 0.100       | 7.2 | 20        | 106        | X438003 - X4I0153-01 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.00       | 1.04         | 1.00        | 3.7 | 20        | 98.6       | X437176 - X4I0133-02 |       |
| OIA 1677                              | Cyanide (WAD)         | mg/L  | 0.110      | 0.100        | 0.100       | 9.5 | 11        | 105        | X438183 - X4I0082-01 |       |
| <b>Anions by Ion Chromatography</b>   |                       |       |            |              |             |     |           |            |                      |       |
| EPA 300.0                             | Chloride              | mg/L  | 3.36       | 3.29         | 3.00        | 2.3 | 20        | 105        | X437126 - X4I0125-01 |       |
| EPA 300.0                             | Chloride              | mg/L  | 11.0       | 10.9         | 3.00        | 0.5 | 20        | 98.7       | X439111 - X4I0373-03 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.16       | 2.11         | 2.00        | 2.4 | 20        | 105        | X437126 - X4I0125-01 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 5.17       | 5.13         | 2.00        | 0.8 | 20        | 101        | X439111 - X4I0373-03 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 2.18       | 2.13         | 2.00        | 2.4 | 20        | 106        | X437126 - X4I0125-01 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 2.14       | 2.10         | 2.00        | 2.2 | 20        | 102        | X439111 - X4I0373-03 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.31       | 4.21         | 4.00        | 2.3 | 20        | 106        | X437126 - X4I0125-01 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.18       | 4.11         | 4.00        | 1.7 | 20        | 102        | X439111 - X4I0373-03 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.13       | 2.08         | 2.00        | 2.3 | 20        | 107        | X437126 - X4I0125-01 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.04       | 2.01         | 2.00        | 1.1 | 20        | 102        | X439111 - X4I0373-03 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 12.9       | 12.7         | 10.0        | 2.0 | 20        | 112        | X437126 - X4I0125-01 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 31.1       | 30.9         | 10.0        | 0.7 | 20        | 105        | X439111 - X4I0373-03 | M1    |



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[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410153**

Reported: 02-Oct-24 16:34

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**Notes and Definitions**

|         |                                                                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| H1      | Sample analysis performed past holding time.                                                                                                          |
| H3      | Sample was received and/or analysis requested past holding time.                                                                                      |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time. |
| M1      | Matrix spike recovery was high, but the LCS recovery was acceptable.                                                                                  |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                               |
| RPD     | Relative Percent Difference                                                                                                                           |
| UDL     | A result is less than the detection limit                                                                                                             |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                   |
| <RL     | A result is less than the reporting limit                                                                                                             |
| MRL     | Method Reporting Limit                                                                                                                                |
| MDL     | Method Detection Limit                                                                                                                                |
| N/A     | Not Applicable                                                                                                                                        |

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0221**

Reported: 26-Sep-24 16:14

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| GVMW-8B   | X4I0221-01    | Ground Water | 12-Sep-24 14:01 | TR         | 13-Sep-2024   |       |
| GVMW-8A   | X4I0221-02    | Ground Water | 12-Sep-24 13:23 | TR         | 13-Sep-2024   |       |
| GVMW-15A  | X4I0221-03    | Ground Water | 12-Sep-24 11:25 | TR         | 13-Sep-2024   |       |
| GVMW-4A   | X4I0221-04    | Ground Water | 12-Sep-24 10:15 | TR         | 13-Sep-2024   |       |
| GVMW-7B   | X4I0221-05    | Ground Water | 12-Sep-24 08:55 | TR         | 13-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0221**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410221**

Reported: 26-Sep-24 16:14

Client Sample ID: **GVMW-8B**

Sampled: 12-Sep-24 14:01

Received: 13-Sep-24

Sampled By: TR

SVL Sample ID: **X410221-01 (Ground Water)****Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 42.5 | mg/L | 0.100 | 0.069 |  | X438196 | SJN | 09/25/24 15:24 |  |
| EPA 200.7 | <b>Magnesium</b>           | 6.79 | mg/L | 0.500 | 0.090 |  | X438196 | SJN | 09/25/24 15:24 |  |
| EPA 200.7 | <b>Potassium</b>           | 1.21 | mg/L | 0.50  | 0.18  |  | X438196 | SJN | 09/25/24 15:24 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 139  | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/23/24 11:49 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | <b>Barium</b>    | 0.0059     | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | <b>Calcium</b>   | 44.6       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | <b>Copper</b>    | 0.0234     | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | <b>Magnesium</b> | 7.03       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Manganese        | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | <b>Potassium</b> | 1.33       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | <b>Sodium</b>    | 24.9       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 11:49 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X438092 | SMU | 09/23/24 16:39 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X438092 | SMU | 09/23/24 16:39 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X438092 | SMU | 09/23/24 16:39 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X438092 | SMU | 09/23/24 16:39 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.00261    | mg/L | 0.000100 | 0.000052 |  | X438092 | SMU | 09/23/24 16:39 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437234 | MAC | 09/23/24 16:36 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437240 | DD  | 09/19/24 14:31 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 13:41 |    |
| EPA 350.1   | <b>Ammonia as N</b>       | 0.076    | mg/L          | 0.030  | 0.013  |  | X438053 | DD  | 09/25/24 10:51 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 11:57 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -43.2    | mg/L as CaCO3 | 10.0   |        |  | X438151 | MWD | 09/23/24 07:29 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 37.2     | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 17:49 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 37.2     | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 17:49 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 17:49 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 17:49 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 279      | mg/L          | 10     |        |  | X438014 | TJL | 09/17/24 13:00 |    |
| SM 2540 D   | Total Susp. Solids        | < 5.0    | mg/L          | 5.0    |        |  | X438015 | TJL | 09/17/24 12:20 |    |
| SM 4500 H B | <b>pH @22.1°C</b>         | 6.8      | pH Units      |        |        |  | X438040 | MWD | 09/17/24 17:49 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 17



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|                                                                             |                                                                                                            |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Newmont - Cripple Creek & Victor<br>Post Office Box 191<br>Victor, CO 80860 | Project Name: Cripple Creek/Victor Water and Soil 2024<br>Work Order: X410221<br>Reported: 26-Sep-24 16:14 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

Client Sample ID: GVMW-8B  
SVL Sample ID: X410221-01 (Ground Water)

Sampled: 12-Sep-24 14:01  
Received: 13-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                       | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| Anions by Ion Chromatography |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                    | Chloride             | 44.9    | mg/L  | 2.00  | 0.22  | 10       | X437174 | RS      | 09/13/24 14:25 |       |
| EPA 300.0                    | Fluoride             | 2.18    | mg/L  | 0.100 | 0.017 |          | X437174 | RS      | 09/13/24 14:09 |       |
| EPA 300.0                    | Nitrate as N         | 2.24    | mg/L  | 0.050 | 0.013 |          | X437174 | RS      | 09/13/24 14:09 |       |
| EPA 300.0                    | Nitrate+Nitrite as N | 2.24    | mg/L  | 0.100 | 0.044 |          | X437174 | RS      | 09/13/24 14:09 |       |
| EPA 300.0                    | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437174 | RS      | 09/13/24 14:09 |       |
| EPA 300.0                    | Sulfate as SO4       | 93.0    | mg/L  | 3.00  | 1.80  | 10       | X437174 | RS      | 09/13/24 14:25 |       |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 3.81 meq/L | Anion Sum: 4.22 meq/L | C/A Balance: -5.09 % | Calculated TDS: 249 | TDS/cTDS: 1.12 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410221**

Reported: 26-Sep-24 16:14

Client Sample ID: **GVMW-8A**

Sampled: 12-Sep-24 13:23

Received: 13-Sep-24

Sampled By: TR

SVL Sample ID: **X410221-02 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 46.3 | mg/L | 0.100 | 0.069 |  | X438196 | SJN | 09/25/24 15:27 |  |
| EPA 200.7 | <b>Magnesium</b>           | 6.01 | mg/L | 0.500 | 0.090 |  | X438196 | SJN | 09/25/24 15:27 |  |
| EPA 200.7 | <b>Potassium</b>           | 0.71 | mg/L | 0.50  | 0.18  |  | X438196 | SJN | 09/25/24 15:27 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 145  | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/25/24 15:27 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Barium           | < 0.0020   | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | <b>Calcium</b>   | 47.9       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | <b>Magnesium</b> | 6.15       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Manganese        | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | <b>Potassium</b> | 0.70       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | <b>Sodium</b>    | 24.1       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 11:53 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X438092 | SMU | 09/23/24 16:42 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X438092 | SMU | 09/23/24 16:42 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X438092 | SMU | 09/23/24 16:42 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X438092 | SMU | 09/23/24 16:42 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.00483    | mg/L | 0.000100 | 0.000052 |  | X438092 | SMU | 09/23/24 16:42 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437234 | MAC | 09/23/24 16:38 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437240 | DD  | 09/19/24 14:33 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 13:43 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013  |  | X438053 | DD  | 09/25/24 11:03 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 11:59 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -58.1    | mg/L as CaCO3 | 10.0   |        |  | X438151 | MWD | 09/23/24 07:29 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 48.6     | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 17:54 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 48.6     | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 17:54 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 17:54 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 17:54 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 277      | mg/L          | 10     |        |  | X438014 | TJL | 09/17/24 13:00 |    |
| SM 2540 D   | Total Susp. Solids        | < 5.0    | mg/L          | 5.0    |        |  | X438015 | TJL | 09/17/24 12:20 |    |
| SM 4500 H B | <b>pH @22.0°C</b>         | 7.1      | pH Units      |        |        |  | X438040 | MWD | 09/17/24 17:54 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 17



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**Newmont - Cripple Creek & Victor**  
Post Office Box 191  
Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**  
Work Order: **X410221**  
Reported: 26-Sep-24 16:14

Client Sample ID: **GVMW-8A**  
SVL Sample ID: **X410221-02 (Ground Water)**

Sampled: 12-Sep-24 13:23  
Received: 13-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 64.0    | mg/L  | 2.00  | 0.22  | 10       | X437174 | RS      | 09/13/24 14:58 |       |
| EPA 300.0                           | Fluoride             | 1.91    | mg/L  | 0.100 | 0.017 |          | X437174 | RS      | 09/13/24 14:42 |       |
| EPA 300.0                           | Nitrate as N         | 1.28    | mg/L  | 0.050 | 0.013 |          | X437174 | RS      | 09/13/24 14:42 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | 1.28    | mg/L  | 0.100 | 0.044 |          | X437174 | RS      | 09/13/24 14:42 |       |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437174 | RS      | 09/13/24 14:42 |       |
| EPA 300.0                           | Sulfate as SO4       | 64.6    | mg/L  | 3.00  | 1.80  | 10       | X437174 | RS      | 09/13/24 14:58 |       |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 3.88 meq/L | Anion Sum: 4.31 meq/L | C/A Balance: -5.24 % | Calculated TDS: 243 | TDS/cTDS: 1.14 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410221**

Reported: 26-Sep-24 16:14

Client Sample ID: **GVMW-15A**

Sampled: 12-Sep-24 11:25

Received: 13-Sep-24

Sampled By: TR

SVL Sample ID: **X410221-03 (Ground Water)****Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 18.4 | mg/L | 0.100 | 0.069 |  | X438196 | SJN | 09/25/24 15:31 |  |
| EPA 200.7 | <b>Magnesium</b>           | 16.9 | mg/L | 0.500 | 0.090 |  | X438196 | SJN | 09/25/24 15:31 |  |
| EPA 200.7 | <b>Potassium</b>           | 1.74 | mg/L | 0.50  | 0.18  |  | X438196 | SJN | 09/25/24 15:31 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 116  | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/23/24 11:56 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Barium</b>    | 0.0513     | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Calcium</b>   | 18.8       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Cobalt</b>    | 0.0283     | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Iron</b>      | 31.0       | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Magnesium</b> | 16.9       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Manganese</b> | 1.82       | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Nickel</b>    | 0.0391     | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Potassium</b> | 1.74       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Sodium</b>    | 14.2       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.7 | <b>Zinc</b>      | 0.288      | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 11:56 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X438092 | SMU | 09/23/24 16:52 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X438092 | SMU | 09/23/24 16:52 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X438092 | SMU | 09/23/24 16:52 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X438092 | SMU | 09/23/24 16:52 |  |
| EPA 200.8 | Uranium          | < 0.000100 | mg/L | 0.000100 | 0.000052 |  | X438092 | SMU | 09/23/24 16:52 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437234 | MAC | 09/23/24 16:40 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437240 | DD  | 09/19/24 14:35 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 13:45 |    |
| EPA 350.1   | <b>Ammonia as N</b>       | 0.273    | mg/L          | 0.030  | 0.013  |  | X438053 | DD  | 09/25/24 11:04 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 12:00 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | 31.4     | mg/L as CaCO3 | 10.0   |        |  | X438151 | MWD | 09/23/24 07:29 |    |
| SM 2320 B   | Total Alkalinity          | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:08 |    |
| SM 2320 B   | Bicarbonate               | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:08 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:08 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:08 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 294      | mg/L          | 10     |        |  | X438014 | TJL | 09/17/24 13:00 |    |
| SM 2540 D   | <b>Total Susp. Solids</b> | 36.0     | mg/L          | 5.0    |        |  | X438015 | TJL | 09/17/24 12:20 |    |
| SM 4500 H B | <b>pH @21.9°C</b>         | 4.8      | pH Units      |        |        |  | X438040 | MWD | 09/17/24 18:08 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 17



One Government Gulch - PO Box 929  
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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410221</b><br>Reported: 26-Sep-24 16:14 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-15A**  
SVL Sample ID: **X410221-03 (Ground Water)**

Sampled: 12-Sep-24 11:25  
Received: 13-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte               | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|-----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                       |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | <b>Chloride</b>       | 1.48    | mg/L  | 0.20  | 0.02  |          | X437174 | RS      | 09/13/24 13:03 |       |
| EPA 300.0                           | <b>Fluoride</b>       | 0.298   | mg/L  | 0.100 | 0.017 |          | X437174 | RS      | 09/13/24 13:03 |       |
| EPA 300.0                           | Nitrate as N          | < 0.050 | mg/L  | 0.050 | 0.013 |          | X437174 | RS      | 09/13/24 13:03 |       |
| EPA 300.0                           | Nitrate+Nitrite as N  | < 0.100 | mg/L  | 0.100 | 0.044 |          | X437174 | RS      | 09/13/24 13:03 |       |
| EPA 300.0                           | Nitrite as N          | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437174 | RS      | 09/13/24 13:03 |       |
| EPA 300.0                           | <b>Sulfate as SO4</b> | 185     | mg/L  | 3.00  | 1.80  | 10       | X437174 | RS      | 09/13/24 13:19 |       |

|                                            |                       |                     |                     |                |  |  |  |  |  |  |
|--------------------------------------------|-----------------------|---------------------|---------------------|----------------|--|--|--|--|--|--|
| <b>Cation/Anion Balance and TDS Ratios</b> |                       |                     |                     |                |  |  |  |  |  |  |
| Cation Sum: 4.19 meq/L                     | Anion Sum: 3.93 meq/L | C/A Balance: 3.13 % | Calculated TDS: 238 | TDS/cTDS: 1.23 |  |  |  |  |  |  |

This data has been reviewed for accuracy and has been authorized for release.



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Newmont - Cripple Creek & Victor

Post Office Box 191

Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024

Work Order: **X410221**

Reported: 26-Sep-24 16:14

Client Sample ID: **GVMW-4A**

Sampled: 12-Sep-24 10:15

Received: 13-Sep-24

Sampled By: TR

SVL Sample ID: **X410221-04 (Ground Water)**

Sample Report Page 1 of 2

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 16.3 | mg/L | 0.100 | 0.069 |  | X438196 | SJN | 09/25/24 15:34 |  |
| EPA 200.7 | <b>Magnesium</b>           | 9.80 | mg/L | 0.500 | 0.090 |  | X438196 | SJN | 09/25/24 15:34 |  |
| EPA 200.7 | <b>Potassium</b>           | 1.12 | mg/L | 0.50  | 0.18  |  | X438196 | SJN | 09/25/24 15:34 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 81.9 | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/25/24 15:34 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | <b>Barium</b>    | 0.177      | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | <b>Calcium</b>   | 16.8       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | <b>Iron</b>      | 7.99       | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | <b>Magnesium</b> | 9.99       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | <b>Manganese</b> | 1.85       | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | <b>Potassium</b> | 1.15       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | <b>Sodium</b>    | 9.22       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 12:00 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X438092 | SMU | 09/23/24 16:55 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X438092 | SMU | 09/23/24 16:55 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X438092 | SMU | 09/23/24 16:55 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X438092 | SMU | 09/23/24 16:55 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.000104   | mg/L | 0.000100 | 0.000052 |  | X438092 | SMU | 09/23/24 16:55 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437234 | MAC | 09/23/24 16:42 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437240 | DD  | 09/19/24 14:37 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 13:48 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013  |  | X438053 | DD  | 09/25/24 11:06 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 12:06 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -58.1    | mg/L as CaCO3 | 10.0   |        |  | X438151 | MWD | 09/23/24 07:29 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 54.3     | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:13 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 54.3     | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:13 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:13 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:13 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 183      | mg/L          | 10     |        |  | X438014 | TJL | 09/17/24 13:00 |    |
| SM 2540 D   | <b>Total Susp. Solids</b> | 5.0      | mg/L          | 5.0    |        |  | X438015 | TJL | 09/17/24 12:20 |    |
| SM 4500 H B | <b>pH @21.9°C</b>         | 6.6      | pH Units      |        |        |  | X438040 | MWD | 09/17/24 18:13 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 17



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Kellogg, ID 83837-0929  
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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410221</b><br>Reported: 26-Sep-24 16:14 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-4A**  
SVL Sample ID: **X410221-04 (Ground Water)**

Sampled: 12-Sep-24 10:15  
Received: 13-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte               | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|-----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                       |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | <b>Chloride</b>       | 4.98    | mg/L  | 0.20  | 0.02  |          | X437174 | RS      | 09/13/24 13:35 |       |
| EPA 300.0                           | <b>Fluoride</b>       | 0.131   | mg/L  | 0.100 | 0.017 |          | X437174 | RS      | 09/13/24 13:35 |       |
| EPA 300.0                           | Nitrate as N          | < 0.050 | mg/L  | 0.050 | 0.013 |          | X437174 | RS      | 09/13/24 13:35 |       |
| EPA 300.0                           | Nitrate+Nitrite as N  | < 0.100 | mg/L  | 0.100 | 0.044 |          | X437174 | RS      | 09/13/24 13:35 |       |
| EPA 300.0                           | Nitrite as N          | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437174 | RS      | 09/13/24 13:35 |       |
| EPA 300.0                           | <b>Sulfate as SO4</b> | 61.1    | mg/L  | 3.00  | 1.80  | 10       | X437174 | RS      | 09/13/24 13:52 |       |

**Cation/Anion Balance and TDS Ratios**

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 2.42 meq/L | Anion Sum: 2.51 meq/L | C/A Balance: -1.85 % | Calculated TDS: 136 | TDS/cTDS: 1.35 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410221**

Reported: 26-Sep-24 16:14

Client Sample ID: **GVMW-7B**

Sampled: 12-Sep-24 08:55

Received: 13-Sep-24

Sampled By: TR

SVL Sample ID: **X410221-05 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 59.7 | mg/L | 0.100 | 0.069 |  | X438196 | SJN | 09/25/24 15:47 |  |
| EPA 200.7 | <b>Magnesium</b>           | 21.0 | mg/L | 0.500 | 0.090 |  | X438196 | SJN | 09/25/24 15:47 |  |
| EPA 200.7 | <b>Potassium</b>           | 1.09 | mg/L | 0.50  | 0.18  |  | X438196 | SJN | 09/25/24 15:47 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 239  | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/25/24 15:47 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | <b>Barium</b>    | 0.0272     | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | <b>Calcium</b>   | 60.8       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | <b>Magnesium</b> | 21.1       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Manganese        | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | <b>Potassium</b> | 0.89       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | <b>Sodium</b>    | 16.4       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 12:03 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X438092 | SMU | 09/23/24 16:57 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X438092 | SMU | 09/23/24 16:57 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X438092 | SMU | 09/23/24 16:57 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X438092 | SMU | 09/23/24 16:57 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.000272   | mg/L | 0.000100 | 0.000052 |  | X438092 | SMU | 09/23/24 16:57 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437234 | MAC | 09/23/24 16:45 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437240 | DD  | 09/19/24 14:39 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 13:51 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013  |  | X438053 | DD  | 09/25/24 11:08 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 12:08 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -58.1    | mg/L as CaCO3 | 10.0   |        |  | X438151 | MWD | 09/23/24 07:29 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 49.1     | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:18 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 49.1     | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:18 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:18 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:18 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 381      | mg/L          | 10     |        |  | X438014 | TJL | 09/17/24 13:00 |    |
| SM 2540 D   | Total Susp. Solids        | < 5.0    | mg/L          | 5.0    |        |  | X438015 | TJL | 09/17/24 12:20 |    |
| SM 4500 H B | <b>pH @21.9°C</b>         | 6.6      | pH Units      |        |        |  | X438040 | MWD | 09/17/24 18:18 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 10 of 17



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410221</b><br>Reported: 26-Sep-24 16:14 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-7B**  
SVL Sample ID: **X410221-05 (Ground Water)**

Sampled: 12-Sep-24 08:55  
Received: 13-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 35.2    | mg/L  | 2.00  | 0.22  | 10       | X437174 | RS      | 09/13/24 15:31 |       |
| EPA 300.0                           | Fluoride             | 0.303   | mg/L  | 0.100 | 0.017 |          | X437174 | RS      | 09/13/24 15:15 |       |
| EPA 300.0                           | Nitrate as N         | 0.713   | mg/L  | 0.050 | 0.013 |          | X437174 | RS      | 09/13/24 15:15 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | 0.713   | mg/L  | 0.100 | 0.044 |          | X437174 | RS      | 09/13/24 15:15 |       |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437174 | RS      | 09/13/24 15:15 |       |
| EPA 300.0                           | Sulfate as SO4       | 190     | mg/L  | 3.00  | 1.80  | 10       | X437174 | RS      | 09/13/24 15:31 |       |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 5.46 meq/L | Anion Sum: 6.00 meq/L | C/A Balance: -4.71 % | Calculated TDS: 357 | TDS/cTDS: 1.07 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410221**

Reported: 26-Sep-24 16:14

**Quality Control - BLANK Data**

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|--------|---------|-------|--------|-----|-----|----------|----------|-------|
|--------|---------|-------|--------|-----|-----|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |        |       |       |         |           |  |
|-----------|-----------|------|--------|-------|-------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | <0.100 | 0.069 | 0.100 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | <0.500 | 0.090 | 0.500 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | <0.50  | 0.18  | 0.50  | X438196 | 25-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |           |          |          |         |           |  |
|-----------|------------|------|-----------|----------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | <0.080    | 0.054    | 0.080    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | <0.0020   | 0.0019   | 0.0020   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | <0.00200  | 0.00080  | 0.00200  | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | <0.0400   | 0.0078   | 0.0400   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | <0.0020   | 0.0016   | 0.0020   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | <0.100    | 0.069    | 0.100    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | <0.0060   | 0.0020   | 0.0060   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | <0.0060   | 0.0046   | 0.0060   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | <0.0100   | 0.0027   | 0.0100   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | <0.100    | 0.056    | 0.100    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | <0.0075   | 0.0049   | 0.0075   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | <0.040    | 0.025    | 0.040    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | <0.500    | 0.090    | 0.500    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | <0.0080   | 0.0034   | 0.0080   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | <0.0080   | 0.0034   | 0.0080   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | <0.0100   | 0.0048   | 0.0100   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | <0.50     | 0.18     | 0.50     | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | <0.0050   | 0.0019   | 0.0050   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | <0.50     | 0.12     | 0.50     | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | <0.0050   | 0.0019   | 0.0050   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | <0.0100   | 0.0054   | 0.0100   | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | <0.00100  | 0.00072  | 0.00100  | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | <0.00100  | 0.00021  | 0.00100  | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | <0.00100  | 0.00024  | 0.00100  | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | <0.000200 | 0.00008  | 0.000200 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | <0.000100 | 0.000052 | 0.000100 | X438092 | 23-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |           |          |          |         |           |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | <0.000200 | 0.000093 | 0.000200 | X437234 | 23-Sep-24 |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|             |                       |               |         |        |        |         |           |  |
|-------------|-----------------------|---------------|---------|--------|--------|---------|-----------|--|
| ASTM D7237  | Cyanide (free) @ pH 6 | mg/L          | <0.0050 | 0.0048 | 0.0050 | X437240 | 19-Sep-24 |  |
| EPA 335.4   | Cyanide (total)       | mg/L          | <0.0050 | 0.0038 | 0.0050 | X438003 | 16-Sep-24 |  |
| EPA 350.1   | Ammonia as N          | mg/L          | <0.030  | 0.013  | 0.030  | X438053 | 25-Sep-24 |  |
| OIA 1677    | Cyanide (WAD)         | mg/L          | <0.0050 | 0.0010 | 0.0050 | X438183 | 20-Sep-24 |  |
| SM 2310 B   | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0   |        | 10.0   | X438151 | 23-Sep-24 |  |
| SM 2320 B   | Total Alkalinity      | mg/L as CaCO3 | <1.0    |        | 1.0    | X438040 | 18-Sep-24 |  |
| SM 2320 B   | Bicarbonate           | mg/L as CaCO3 | <1.0    |        | 1.0    | X438040 | 18-Sep-24 |  |
| SM 2320 B   | Carbonate             | mg/L as CaCO3 | <1.0    |        | 1.0    | X438040 | 18-Sep-24 |  |
| SM 2320 B   | Hydroxide             | mg/L as CaCO3 | <1.0    |        | 1.0    | X438040 | 18-Sep-24 |  |
| SM 2540 C   | Total Diss. Solids    | mg/L          | <10     |        | 10     | X438014 | 17-Sep-24 |  |
| SM 2540 D   | Total Susp. Solids    | mg/L          | <5.0    |        | 5.0    | X438015 | 17-Sep-24 |  |
| SM 4500 H B | pH @21.6°C            | pH Units      | 5.9     |        |        | X438040 | 18-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |        |       |       |         |           |  |
|-----------|----------------------|------|--------|-------|-------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | <0.20  | 0.02  | 0.20  | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | <0.100 | 0.017 | 0.100 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | <0.050 | 0.013 | 0.050 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | <0.100 | 0.044 | 0.100 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | <0.050 | 0.031 | 0.050 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | <0.30  | 0.18  | 0.30  | X437174 | 13-Sep-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 12 of 17



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

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[www.svl.net](http://www.svl.net)
**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410221**

Reported: 26-Sep-24 16:14

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 18.8 | 20.0 | 94   | 85 - 115 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.2 | 20.0 | 96.2 | 85 - 115 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | 19.0 | 20.0 | 94.9 | 85 - 115 | X438196 | 25-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.04   | 1.00   | 104  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.978  | 1.00   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 19.6   | 20.0   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.997  | 1.00   | 99.7 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.961  | 1.00   | 96.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.95   | 10.0   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.972  | 1.00   | 97.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.2   | 20.0   | 95.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.992  | 1.00   | 99.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.995  | 1.00   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.6   | 20.0   | 98.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0524 | 0.0500 | 105  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 19.1   | 19.0   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0274 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0284 | 0.0250 | 114  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0265 | 0.0250 | 106  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0276 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0252 | 0.0250 | 101  | 85 - 115 | X438092 | 23-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |     |          |         |           |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00204 | 0.00200 | 102 | 85 - 115 | X437234 | 23-Sep-24 |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |        |       |      |            |         |           |  |
|------------|-----------------------|---------------|--------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.0990 | 0.100 | 99.0 | 90 - 110   | X437240 | 19-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.109  | 0.100 | 109  | 90 - 110   | X438003 | 16-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 0.977  | 1.00  | 97.7 | 90 - 110   | X438053 | 25-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.103  | 0.100 | 103  | 90 - 110   | X438183 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897    | 884   | 102  | 95.4 - 104 | X438151 | 23-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 98.8   | 99.3  | 99.5 | 96.4 - 105 | X438040 | 17-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 9.80   | 9.93  | 98.7 | 96.4 - 105 | X438040 | 18-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 9.0    | 10.0  | 90.0 | 85 - 115   | X438015 | 17-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |     |          |         |           |  |
|-----------|----------------------|------|------|------|-----|----------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 3.11 | 3.00 | 104 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.04 | 2.00 | 102 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.06 | 2.00 | 103 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.65 | 4.50 | 103 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.59 | 2.50 | 104 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 10.5 | 10.0 | 105 | 90 - 110 | X437174 | 13-Sep-24 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410221**

Reported: 26-Sep-24 16:14

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|-----|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |     |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | 149              | 149           | 0.0 | 20        | X438151 - X4I0176-02 | 23-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 48.2             | 48.6          | 0.8 | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 48.2             | 48.6          | 0.8 | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 288              | 277           | 3.9 | 10        | X438014 - X4I0221-02 | 17-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | <RL | 10        | X438015 - X4I0221-02 | 17-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | <RL | 10        | X438015 - X4I0187-01 | 17-Sep-24 |       |
| SM 4500 H B                           | pH @22.1°C         | pH Units                  | 7.1              | 7.1           | 0.1 | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                                | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 62.3         | 42.5              | 20.0            | 99     | 70 - 130          | X438196 - X4I0221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 33.3         | 14.2              | 20.0            | 96     | 70 - 130          | X438196 - X4I0230-06 | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 27.0         | 6.79              | 20.0            | 101    | 70 - 130          | X438196 - X4I0221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 20.2         | <0.500            | 20.0            | 98.9   | 70 - 130          | X438196 - X4I0230-06 | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 20.5         | 1.21              | 20.0            | 96.4   | 70 - 130          | X438196 - X4I0221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 19.9         | <0.50             | 20.0            | 98.0   | 70 - 130          | X438196 - X4I0230-06 | 25-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.01         | <0.080            | 1.00            | 101    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.02         | <0.080            | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.18         | 0.196             | 1.00            | 98.5   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.09         | 0.101             | 1.00            | 98.9   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 1.01         | <0.0400           | 1.00            | 98.8   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 0.996        | <0.0400           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.987        | <0.0020           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.983        | <0.0020           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 48.3         | 29.4              | 20.0            | 94.9   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 29.9         | 10.4              | 20.0            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.984        | <0.0060           | 1.00            | 98.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.993        | <0.0060           | 1.00            | 99.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.966        | <0.0060           | 1.00            | 96.6   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.956        | <0.0060           | 1.00            | 95.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.974        | <0.0100           | 1.00            | 97.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.976        | <0.0100           | 1.00            | 97.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 9.73         | <0.100            | 10.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 10.0         | <0.100            | 10.0            | 100    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.983        | <0.0075           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.975        | <0.0075           | 1.00            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.981        | <0.040            | 1.00            | 98.1   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.934        | <0.040            | 1.00            | 93.4   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 26.2         | 6.70              | 20.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 21.7         | 2.10              | 20.0            | 98.1   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Manganese | mg/L  | 0.987        | <0.0080           | 1.00            | 98.0   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 14 of 17


**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X4I0221**

Reported: 26-Sep-24 16:14

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte               | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec.  | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|-----------------------|-------|--------------|-------------------|-----------------|---------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 200.7                             | Manganese             | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 1.01         | <0.0080           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.966        | <0.0100           | 1.00            | 96.6    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.957        | <0.0100           | 1.00            | 95.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.1         | 0.95              | 20.0            | 95.6    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.5         | 0.78              | 20.0            | 98.6    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0539       | <0.0050           | 0.0500          | 108     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0533       | <0.0050           | 0.0500          | 107     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 49.6         | 31.6              | 19.0            | 95.1    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 28.9         | 10.1              | 19.0            | 98.8    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.01         | <0.0100           | 1.00            | 101     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.00         | <0.0100           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0286       | <0.00100          | 0.0250          | 114     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0278       | <0.00100          | 0.0250          | 111     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0270       | <0.00100          | 0.0250          | 105     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0282       | <0.00100          | 0.0250          | 113     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0247       | <0.00100          | 0.0250          | 98.8    | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0261       | <0.00100          | 0.0250          | 105     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0275       | <0.000200         | 0.0250          | 110     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0267       | <0.000200         | 0.0250          | 107     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0337       | 0.00424           | 0.0250          | 118     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0336       | 0.00483           | 0.0250          | 115     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| <b>Metals (Filtered)</b>              |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00206      | <0.000200         | 0.00200         | 103     | 70 - 130          | X437234 - X4I0176-01 | 23-Sep-24 |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00203      | <0.000200         | 0.00200         | 102     | 70 - 130          | X437234 - X4I0196-02 | 23-Sep-24 |       |
| <b>Classical Chemistry Parameters</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| ASTM D7237                            | Cyanide (free) @ pH 6 | mg/L  | 0.105        | <0.0050           | 0.100           | 105     | 79 - 121          | X437240 - X4I0202-03 | 19-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.0989       | <0.0050           | 0.100           | 98.9    | 90 - 110          | X438003 - X4I0153-01 | 17-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.0987       | <0.0050           | 0.100           | 98.7    | 90 - 110          | X438003 - X4I0153-02 | 17-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 0.998        | <0.030            | 1.00            | 99.8    | 90 - 110          | X438053 - X4I0168-01 | 25-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.05         | <0.030            | 1.00            | 105     | 90 - 110          | X438053 - X4I0168-02 | 25-Sep-24 |       |
| OIA 1677                              | Cyanide (WAD)         | mg/L  | 0.100        | 0.0050            | 0.100           | 95.0    | 82 - 118          | X438183 - X4I0082-01 | 20-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>   |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 300.0                             | Chloride              | mg/L  | 3.27         | 0.22              | 3.00            | 102     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Chloride              | mg/L  | 5.75         | 2.61              | 3.00            | 105     | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.08         | <0.100            | 2.00            | 100     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 1.97         | 0.119             | 2.00            | 92.5    | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 2.01         | <0.050            | 2.00            | 101     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 3.31         | 1.25              | 2.00            | 103     | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.07         | <0.100            | 4.00            | 102     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 5.42         | 1.25              | 4.00            | 104     | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.05         | <0.050            | 2.00            | 103     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.11         | <0.050            | 2.00            | 105     | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 10.9         | 0.75              | 10.0            | 101     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 258          | 244               | 10.0            | 0.30R>S | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 | M4    |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 15 of 17

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410221**

Reported: 26-Sep-24 16:14

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method                                                                | Analyte               | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID  | Notes |
|-----------------------------------------------------------------------|-----------------------|-------|------------|--------------|-------------|-----|-----------|------------|----------------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Calcium               | mg/L  | 60.9       | 62.3         | 20.0        | 2.0 | 20        | 92         | X438196 - X410221-01 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | 26.1       | 27.0         | 20.0        | 3.4 | 20        | 96.7       | X438196 - X410221-01 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | 19.9       | 20.5         | 20.0        | 2.8 | 20        | 93.6       | X438196 - X410221-01 |       |
| <b>Metals (Dissolved)</b>                                             |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Aluminum              | mg/L  | 1.01       | 1.01         | 1.00        | 0.5 | 20        | 101        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Barium                | mg/L  | 1.17       | 1.18         | 1.00        | 0.6 | 20        | 97.8       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Beryllium             | mg/L  | 1.02       | 1.02         | 1.00        | 0.4 | 20        | 102        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Boron                 | mg/L  | 1.01       | 1.01         | 1.00        | 0.3 | 20        | 99.0       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Cadmium               | mg/L  | 0.975      | 0.987        | 1.00        | 1.2 | 20        | 97.5       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Calcium               | mg/L  | 48.7       | 48.3         | 20.0        | 0.7 | 20        | 96.6       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Chromium              | mg/L  | 0.986      | 0.984        | 1.00        | 0.2 | 20        | 98.6       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Cobalt                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Copper                | mg/L  | 0.974      | 0.974        | 1.00        | 0.0 | 20        | 97.4       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Iron                  | mg/L  | 9.97       | 9.73         | 10.0        | 2.4 | 20        | 99.7       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Lead                  | mg/L  | 0.974      | 0.983        | 1.00        | 0.9 | 20        | 97.4       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Lithium               | mg/L  | 0.977      | 0.981        | 1.00        | 0.3 | 20        | 97.7       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | 26.7       | 26.2         | 20.0        | 1.9 | 20        | 99.8       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Manganese             | mg/L  | 0.986      | 0.987        | 1.00        | 0.1 | 20        | 98.0       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L  | 0.999      | 1.01         | 1.00        | 0.6 | 20        | 99.5       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Nickel                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | 20.7       | 20.1         | 20.0        | 2.9 | 20        | 98.5       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Silver                | mg/L  | 0.0530     | 0.0539       | 0.0500      | 1.6 | 20        | 106        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Sodium                | mg/L  | 49.9       | 49.6         | 19.0        | 0.6 | 20        | 96.7       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Vanadium              | mg/L  | 1.00       | 1.00         | 1.00        | 0.4 | 20        | 100        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Zinc                  | mg/L  | 1.00       | 1.01         | 1.00        | 1.0 | 20        | 100        | X439009 - X410153-01 |       |
| EPA 200.8                                                             | Antimony              | mg/L  | 0.0289     | 0.0286       | 0.0250      | 1.3 | 20        | 116        | X438092 - X410187-01 |       |
| EPA 200.8                                                             | Arsenic               | mg/L  | 0.0278     | 0.0270       | 0.0250      | 3.0 | 20        | 108        | X438092 - X410187-01 |       |
| EPA 200.8                                                             | Selenium              | mg/L  | 0.0254     | 0.0247       | 0.0250      | 2.9 | 20        | 102        | X438092 - X410187-01 |       |
| EPA 200.8                                                             | Thallium              | mg/L  | 0.0277     | 0.0275       | 0.0250      | 0.6 | 20        | 111        | X438092 - X410187-01 |       |
| EPA 200.8                                                             | Uranium               | mg/L  | 0.0336     | 0.0337       | 0.0250      | 0.2 | 20        | 117        | X438092 - X410187-01 |       |
| <b>Metals (Filtered)</b>                                              |                       |       |            |              |             |     |           |            |                      |       |
| EPA 245.1                                                             | Mercury               | mg/L  | 0.00213    | 0.00206      | 0.00200     | 3.3 | 20        | 106        | X437234 - X410176-01 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |       |            |              |             |     |           |            |                      |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L  | 0.105      | 0.105        | 0.100       | 0.0 | 11        | 105        | X437240 - X410202-03 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L  | 0.106      | 0.0989       | 0.100       | 7.2 | 20        | 106        | X438003 - X410153-01 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L  | 1.02       | 0.998        | 1.00        | 1.7 | 20        | 102        | X438053 - X410168-01 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L  | 0.110      | 0.100        | 0.100       | 9.5 | 11        | 105        | X438183 - X410082-01 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |       |            |              |             |     |           |            |                      |       |
| EPA 300.0                                                             | Chloride              | mg/L  | 3.32       | 3.27         | 3.00        | 1.7 | 20        | 103        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Fluoride              | mg/L  | 2.11       | 2.08         | 2.00        | 1.4 | 20        | 101        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L  | 2.07       | 2.01         | 2.00        | 2.9 | 20        | 104        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L  | 4.16       | 4.07         | 4.00        | 2.3 | 20        | 104        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L  | 2.09       | 2.05         | 2.00        | 1.8 | 20        | 105        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L  | 11.0       | 10.9         | 10.0        | 1.1 | 20        | 103        | X437174 - X410223-01 |       |



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410221**

Reported: 26-Sep-24 16:14

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**Notes and Definitions**

|         |                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.                |
| M4      | The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable. |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                                              |
| RPD     | Relative Percent Difference                                                                                                                                          |
| UDL     | A result is less than the detection limit                                                                                                                            |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                                  |
| <RL     | A result is less than the reporting limit                                                                                                                            |
| MRL     | Method Reporting Limit                                                                                                                                               |
| MDL     | Method Detection Limit                                                                                                                                               |
| N/A     | Not Applicable                                                                                                                                                       |

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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0187**

Reported: 26-Sep-24 12:15

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| GVMW-7A   | X4I0187-01    | Ground Water | 11-Sep-24 12:20 | TR         | 12-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

**Case Narrative: X4I0187**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.



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Kellogg, ID 83837-0929

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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410187**

Reported: 26-Sep-24 12:15

Client Sample ID: **GVMW-7A**

Sampled: 11-Sep-24 12:20

Received: 12-Sep-24

Sampled By: TR

SVL Sample ID: **X410187-01 (Ground Water)****Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 37.0 | mg/L | 0.100 | 0.069 |  | X438157 | SJN | 09/23/24 16:07 |  |
| EPA 200.7 | <b>Magnesium</b>           | 17.3 | mg/L | 0.500 | 0.090 |  | X438157 | SJN | 09/23/24 16:07 |  |
| EPA 200.7 | <b>Potassium</b>           | 0.92 | mg/L | 0.50  | 0.18  |  | X438157 | SJN | 09/23/24 16:07 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 163  | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/23/24 11:46 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | <b>Barium</b>    | 0.168      | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | <b>Calcium</b>   | 38.3       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | <b>Iron</b>      | 1.28       | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | <b>Magnesium</b> | 17.5       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | <b>Manganese</b> | 0.207      | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | <b>Potassium</b> | 0.85       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | <b>Sodium</b>    | 9.75       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 11:46 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X438092 | SMU | 09/23/24 16:25 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X438092 | SMU | 09/23/24 16:25 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X438092 | SMU | 09/23/24 16:25 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X438092 | SMU | 09/23/24 16:25 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.00424    | mg/L | 0.000100 | 0.000052 |  | X438092 | SMU | 09/23/24 16:25 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437234 | MAC | 09/23/24 16:19 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437240 | DD  | 09/19/24 14:11 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 13:11 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013  |  | X438053 | DD  | 09/25/24 10:49 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 11:56 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -163     | mg/L as CaCO3 | 10.0   |        |  | X438151 | MWD | 09/23/24 07:29 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 162      | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 19:36 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 162      | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 19:36 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 19:36 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 19:36 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 214      | mg/L          | 10     |        |  | X438014 | TJL | 09/17/24 13:00 |    |
| SM 2540 D   | Total Susp. Solids        | < 5.0    | mg/L          | 5.0    |        |  | X438015 | TJL | 09/17/24 12:20 |    |
| SM 4500 H B | <b>pH @19.6°C</b>         | 7.5      | pH Units      |        |        |  | X437221 | MWD | 09/13/24 19:36 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 9



One Government Gulch - PO Box 929  
Kellogg, ID 83837-0929  
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|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| Newmont - Cripple Creek & Victor | Project Name: Cripple Creek/Victor Water and Soil 2024 |
| Post Office Box 191              | Work Order: X410187                                    |
| Victor, CO 80860                 | Reported: 26-Sep-24 12:15                              |

Client Sample ID: **GVMW-7A**  
SVL Sample ID: **X410187-01 (Ground Water)**

Sampled: 11-Sep-24 12:20  
Received: 12-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 10.6    | mg/L  | 0.20  | 0.02  |          | X437171 | RS      | 09/12/24 15:33 |       |
| EPA 300.0                           | Fluoride             | 0.886   | mg/L  | 0.100 | 0.017 |          | X437171 | RS      | 09/12/24 15:33 |       |
| EPA 300.0                           | Nitrate as N         | < 0.050 | mg/L  | 0.050 | 0.013 |          | X437171 | RS      | 09/12/24 15:33 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | < 0.100 | mg/L  | 0.100 | 0.044 |          | X437171 | RS      | 09/12/24 15:33 |       |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437171 | RS      | 09/12/24 15:33 |       |
| EPA 300.0                           | Sulfate as SO4       | 21.2    | mg/L  | 0.30  | 0.18  |          | X437171 | RS      | 09/12/24 15:33 |       |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 3.78 meq/L | Anion Sum: 4.03 meq/L | C/A Balance: -3.13 % | Calculated TDS: 196 | TDS/cTDS: 1.09 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410187**

Reported: 26-Sep-24 12:15

**Quality Control - BLANK Data**

| Method                                                                | Analyte               | Units         | Result    | MDL      | MRL      | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|---------------|-----------|----------|----------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X438157  | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X438157  | 23-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X438157  | 23-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L          | <0.080    | 0.054    | 0.080    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium                | mg/L          | <0.0020   | 0.0019   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L          | <0.00200  | 0.00080  | 0.00200  | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L          | <0.0400   | 0.0078   | 0.0400   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium               | mg/L          | <0.0020   | 0.0016   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L          | <0.0060   | 0.0020   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt                | mg/L          | <0.0060   | 0.0046   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper                | mg/L          | <0.0100   | 0.0027   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L          | <0.100    | 0.056    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead                  | mg/L          | <0.0075   | 0.0049   | 0.0075   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium               | mg/L          | <0.040    | 0.025    | 0.040    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L          | <0.0100   | 0.0048   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Silver                | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L          | <0.50     | 0.12     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Vanadium              | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L          | <0.0100   | 0.0054   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X438092  | 23-Sep-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X438092  | 23-Sep-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X438092  | 23-Sep-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X438092  | 23-Sep-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X438092  | 23-Sep-24 |       |
| <b>Metals (Filtered)</b>                                              |                       |               |           |          |          |          |           |       |
| EPA 245.1                                                             | Mercury               | mg/L          | <0.000200 | 0.000093 | 0.000200 | X437234  | 23-Sep-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |               |           |          |          |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L          | <0.0050   | 0.0048   | 0.0050   | X437240  | 19-Sep-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L          | <0.0050   | 0.0038   | 0.0050   | X438003  | 16-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | <0.030    | 0.013    | 0.030    | X438053  | 25-Sep-24 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L          | <0.0050   | 0.0010   | 0.0050   | X438183  | 20-Sep-24 |       |
| SM 2310 B                                                             | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0     |          | 10.0     | X438151  | 23-Sep-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2320 B                                                             | Bicarbonate           | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2320 B                                                             | Carbonate             | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2320 B                                                             | Hydroxide             | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2540 C                                                             | Total Diss. Solids    | mg/L          | <10       |          | 10       | X438014  | 17-Sep-24 |       |
| SM 2540 D                                                             | Total Susp. Solids    | mg/L          | <5.0      |          | 5.0      | X438015  | 17-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |               |           |          |          |          |           |       |
| EPA 300.0                                                             | Chloride              | mg/L          | <0.20     | 0.02     | 0.20     | X437171  | 12-Sep-24 |       |
| EPA 300.0                                                             | Fluoride              | mg/L          | <0.100    | 0.017    | 0.100    | X437171  | 12-Sep-24 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L          | <0.050    | 0.013    | 0.050    | X437171  | 12-Sep-24 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L          | <0.100    | 0.044    | 0.100    | X437171  | 12-Sep-24 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L          | <0.050    | 0.031    | 0.050    | X437171  | 12-Sep-24 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L          | <0.30     | 0.18     | 0.30     | X437171  | 12-Sep-24 |       |



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[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410187**

Reported: 26-Sep-24 12:15

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 18.8 | 20.0 | 94   | 85 - 115 | X438157 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.5 | 20.0 | 97.6 | 85 - 115 | X438157 | 23-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | 19.1 | 20.0 | 95.5 | 85 - 115 | X438157 | 23-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.04   | 1.00   | 104  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.978  | 1.00   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 19.6   | 20.0   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.997  | 1.00   | 99.7 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.961  | 1.00   | 96.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.95   | 10.0   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.972  | 1.00   | 97.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.2   | 20.0   | 95.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.992  | 1.00   | 99.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.995  | 1.00   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.6   | 20.0   | 98.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0524 | 0.0500 | 105  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 19.1   | 19.0   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0274 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0284 | 0.0250 | 114  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0265 | 0.0250 | 106  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0276 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0252 | 0.0250 | 101  | 85 - 115 | X438092 | 23-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |     |          |         |           |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00204 | 0.00200 | 102 | 85 - 115 | X437234 | 23-Sep-24 |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |        |       |      |            |         |           |  |
|------------|-----------------------|---------------|--------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.0990 | 0.100 | 99.0 | 90 - 110   | X437240 | 19-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.109  | 0.100 | 109  | 90 - 110   | X438003 | 16-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 0.977  | 1.00  | 97.7 | 90 - 110   | X438053 | 25-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.103  | 0.100 | 103  | 90 - 110   | X438183 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897    | 884   | 102  | 95.4 - 104 | X438151 | 23-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 9.60   | 9.93  | 96.7 | 96.4 - 105 | X437221 | 13-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 100    | 99.3  | 101  | 96.4 - 105 | X437221 | 13-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 402    | 397   | 101  | 96.4 - 105 | X437221 | 13-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 9.0    | 10.0  | 90.0 | 85 - 115   | X438015 | 17-Sep-24 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0187**

Reported: 26-Sep-24 12:15

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|-----|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |     |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | 149              | 149           | 0.0 | 20        | X438151 - X4I0176-02 | 23-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 32.9             | 32.9          | 0.0 | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 32.9             | 32.9          | 0.0 | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 288              | 277           | 3.9 | 10        | X438014 - X4I0221-02 | 17-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | <RL | 10        | X438015 - X4I0221-02 | 17-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | <RL | 10        | X438015 - X4I0187-01 | 17-Sep-24 |       |
| SM 4500 H B                           | pH @19.9°C         | pH Units                  | 6.6              | 6.6           | 0.3 | 20        | X437221 - X4I0153-02 | 13-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                         | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|----------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| Metals (Total Recoverable--reportable as Total per 40 CFR 136) |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 47.6         | 28.7              | 20.0            | 95     | 70 - 130          | X438157 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 149          | 130               | 20.0            | 95     | 70 - 130          | X438157 - X4I0197-04 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 27.1         | 6.75              | 20.0            | 102    | 70 - 130          | X438157 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 20.7         | <0.500            | 20.0            | 104    | 70 - 130          | X438157 - X4I0197-04 | 23-Sep-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 20.2         | 1.07              | 20.0            | 95.7   | 70 - 130          | X438157 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 33.1         | 13.4              | 20.0            | 98.7   | 70 - 130          | X438157 - X4I0197-04 | 23-Sep-24 |       |
| Metals (Dissolved)                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.01         | <0.080            | 1.00            | 101    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.02         | <0.080            | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 1.18         | 0.196             | 1.00            | 98.5   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 1.09         | 0.101             | 1.00            | 98.9   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 1.01         | <0.0400           | 1.00            | 98.8   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 0.996        | <0.0400           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cadmium   | mg/L  | 0.987        | <0.0020           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cadmium   | mg/L  | 0.983        | <0.0020           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 48.3         | 29.4              | 20.0            | 94.9   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 29.9         | 10.4              | 20.0            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Chromium  | mg/L  | 0.984        | <0.0060           | 1.00            | 98.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Chromium  | mg/L  | 0.993        | <0.0060           | 1.00            | 99.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cobalt    | mg/L  | 0.966        | <0.0060           | 1.00            | 96.6   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cobalt    | mg/L  | 0.956        | <0.0060           | 1.00            | 95.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Copper    | mg/L  | 0.974        | <0.0100           | 1.00            | 97.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Copper    | mg/L  | 0.976        | <0.0100           | 1.00            | 97.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Iron      | mg/L  | 9.73         | <0.100            | 10.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Iron      | mg/L  | 10.0         | <0.100            | 10.0            | 100    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lead      | mg/L  | 0.983        | <0.0075           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lead      | mg/L  | 0.975        | <0.0075           | 1.00            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lithium   | mg/L  | 0.981        | <0.040            | 1.00            | 98.1   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lithium   | mg/L  | 0.934        | <0.040            | 1.00            | 93.4   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 26.2         | 6.70              | 20.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 21.7         | 2.10              | 20.0            | 98.1   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Manganese | mg/L  | 0.987        | <0.0080           | 1.00            | 98.0   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 9


**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X4I0187**

Reported: 26-Sep-24 12:15

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte               | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|-----------------------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |                       |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                             | Manganese             | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 1.01         | <0.0080           | 1.00            | 100    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.966        | <0.0100           | 1.00            | 96.6   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.957        | <0.0100           | 1.00            | 95.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.1         | 0.95              | 20.0            | 95.6   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.5         | 0.78              | 20.0            | 98.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0539       | <0.0050           | 0.0500          | 108    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0533       | <0.0050           | 0.0500          | 107    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 49.6         | 31.6              | 19.0            | 95.1   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 28.9         | 10.1              | 19.0            | 98.8   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.01         | <0.0100           | 1.00            | 101    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.00         | <0.0100           | 1.00            | 100    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0286       | <0.00100          | 0.0250          | 114    | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0278       | <0.00100          | 0.0250          | 111    | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0270       | <0.00100          | 0.0250          | 105    | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0282       | <0.00100          | 0.0250          | 113    | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0247       | <0.00100          | 0.0250          | 98.8   | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0261       | <0.00100          | 0.0250          | 105    | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0275       | <0.000200         | 0.0250          | 110    | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0267       | <0.000200         | 0.0250          | 107    | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0337       | 0.00424           | 0.0250          | 118    | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0336       | 0.00483           | 0.0250          | 115    | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| <b>Metals (Filtered)</b>              |                       |       |              |                   |                 |        |                   |                      |           |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00206      | <0.000200         | 0.00200         | 103    | 70 - 130          | X437234 - X4I0176-01 | 23-Sep-24 |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00203      | <0.000200         | 0.00200         | 102    | 70 - 130          | X437234 - X4I0196-02 | 23-Sep-24 |       |
| <b>Classical Chemistry Parameters</b> |                       |       |              |                   |                 |        |                   |                      |           |       |
| ASTM D7237                            | Cyanide (free) @ pH 6 | mg/L  | 0.105        | <0.0050           | 0.100           | 105    | 79 - 121          | X437240 - X4I0202-03 | 19-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.0989       | <0.0050           | 0.100           | 98.9   | 90 - 110          | X438003 - X4I0153-01 | 17-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.0987       | <0.0050           | 0.100           | 98.7   | 90 - 110          | X438003 - X4I0153-02 | 17-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 0.998        | <0.030            | 1.00            | 99.8   | 90 - 110          | X438053 - X4I0168-01 | 25-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.05         | <0.030            | 1.00            | 105    | 90 - 110          | X438053 - X4I0168-02 | 25-Sep-24 |       |
| OIA 1677                              | Cyanide (WAD)         | mg/L  | 0.100        | 0.0050            | 0.100           | 95.0   | 82 - 118          | X438183 - X4I0082-01 | 20-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>   |                       |       |              |                   |                 |        |                   |                      |           |       |
| EPA 300.0                             | Chloride              | mg/L  | 3.70         | 0.81              | 3.00            | 96.4   | 90 - 110          | X437171 - X4I0195-08 | 12-Sep-24 |       |
| EPA 300.0                             | Chloride              | mg/L  | 3.78         | 0.81              | 3.00            | 99.0   | 90 - 110          | X437171 - X4I0195-03 | 12-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.20         | 0.265             | 2.00            | 96.5   | 90 - 110          | X437171 - X4I0195-08 | 12-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.70         | 0.761             | 2.00            | 96.8   | 90 - 110          | X437171 - X4I0195-03 | 12-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 1.86         | <0.050            | 2.00            | 93.0   | 90 - 110          | X437171 - X4I0195-08 | 12-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 3.71         | 1.72              | 2.00            | 99.4   | 90 - 110          | X437171 - X4I0195-03 | 12-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 3.84         | <0.100            | 4.00            | 96.1   | 90 - 110          | X437171 - X4I0195-08 | 12-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 5.72         | 1.72              | 4.00            | 100    | 90 - 110          | X437171 - X4I0195-03 | 12-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 1.98         | <0.050            | 2.00            | 99.1   | 90 - 110          | X437171 - X4I0195-08 | 12-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.01         | <0.050            | 2.00            | 101    | 90 - 110          | X437171 - X4I0195-03 | 12-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 19.2         | 9.56              | 10.0            | 96.6   | 90 - 110          | X437171 - X4I0195-08 | 12-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 12.1         | 1.73              | 10.0            | 103    | 90 - 110          | X437171 - X4I0195-03 | 12-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 7 of 9

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410187**

Reported: 26-Sep-24 12:15

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method                                                                | Analyte               | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID  | Notes |
|-----------------------------------------------------------------------|-----------------------|-------|------------|--------------|-------------|-----|-----------|------------|----------------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Calcium               | mg/L  | 48.4       | 47.6         | 20.0        | 2.0 | 20        | 99         | X438157 - X4I0153-01 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | 27.6       | 27.1         | 20.0        | 2.0 | 20        | 104        | X438157 - X4I0153-01 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | 20.6       | 20.2         | 20.0        | 1.9 | 20        | 97.6       | X438157 - X4I0153-01 |       |
| <b>Metals (Dissolved)</b>                                             |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Aluminum              | mg/L  | 1.01       | 1.01         | 1.00        | 0.5 | 20        | 101        | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Barium                | mg/L  | 1.17       | 1.18         | 1.00        | 0.6 | 20        | 97.8       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Beryllium             | mg/L  | 1.02       | 1.02         | 1.00        | 0.4 | 20        | 102        | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Boron                 | mg/L  | 1.01       | 1.01         | 1.00        | 0.3 | 20        | 99.0       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Cadmium               | mg/L  | 0.975      | 0.987        | 1.00        | 1.2 | 20        | 97.5       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Calcium               | mg/L  | 48.7       | 48.3         | 20.0        | 0.7 | 20        | 96.6       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Chromium              | mg/L  | 0.986      | 0.984        | 1.00        | 0.2 | 20        | 98.6       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Cobalt                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Copper                | mg/L  | 0.974      | 0.974        | 1.00        | 0.0 | 20        | 97.4       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Iron                  | mg/L  | 9.97       | 9.73         | 10.0        | 2.4 | 20        | 99.7       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Lead                  | mg/L  | 0.974      | 0.983        | 1.00        | 0.9 | 20        | 97.4       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Lithium               | mg/L  | 0.977      | 0.981        | 1.00        | 0.3 | 20        | 97.7       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | 26.7       | 26.2         | 20.0        | 1.9 | 20        | 99.8       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Manganese             | mg/L  | 0.986      | 0.987        | 1.00        | 0.1 | 20        | 98.0       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L  | 0.999      | 1.01         | 1.00        | 0.6 | 20        | 99.5       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Nickel                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | 20.7       | 20.1         | 20.0        | 2.9 | 20        | 98.5       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Silver                | mg/L  | 0.0530     | 0.0539       | 0.0500      | 1.6 | 20        | 106        | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Sodium                | mg/L  | 49.9       | 49.6         | 19.0        | 0.6 | 20        | 96.7       | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Vanadium              | mg/L  | 1.00       | 1.00         | 1.00        | 0.4 | 20        | 100        | X439009 - X4I0153-01 |       |
| EPA 200.7                                                             | Zinc                  | mg/L  | 1.00       | 1.01         | 1.00        | 1.0 | 20        | 100        | X439009 - X4I0153-01 |       |
| EPA 200.8                                                             | Antimony              | mg/L  | 0.0289     | 0.0286       | 0.0250      | 1.3 | 20        | 116        | X438092 - X4I0187-01 |       |
| EPA 200.8                                                             | Arsenic               | mg/L  | 0.0278     | 0.0270       | 0.0250      | 3.0 | 20        | 108        | X438092 - X4I0187-01 |       |
| EPA 200.8                                                             | Selenium              | mg/L  | 0.0254     | 0.0247       | 0.0250      | 2.9 | 20        | 102        | X438092 - X4I0187-01 |       |
| EPA 200.8                                                             | Thallium              | mg/L  | 0.0277     | 0.0275       | 0.0250      | 0.6 | 20        | 111        | X438092 - X4I0187-01 |       |
| EPA 200.8                                                             | Uranium               | mg/L  | 0.0336     | 0.0337       | 0.0250      | 0.2 | 20        | 117        | X438092 - X4I0187-01 |       |
| <b>Metals (Filtered)</b>                                              |                       |       |            |              |             |     |           |            |                      |       |
| EPA 245.1                                                             | Mercury               | mg/L  | 0.00213    | 0.00206      | 0.00200     | 3.3 | 20        | 106        | X437234 - X4I0176-01 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |       |            |              |             |     |           |            |                      |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L  | 0.105      | 0.105        | 0.100       | 0.0 | 11        | 105        | X437240 - X4I0202-03 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L  | 0.106      | 0.0989       | 0.100       | 7.2 | 20        | 106        | X438003 - X4I0153-01 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L  | 1.02       | 0.998        | 1.00        | 1.7 | 20        | 102        | X438053 - X4I0168-01 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L  | 0.110      | 0.100        | 0.100       | 9.5 | 11        | 105        | X438183 - X4I0082-01 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |       |            |              |             |     |           |            |                      |       |
| EPA 300.0                                                             | Chloride              | mg/L  | 3.79       | 3.70         | 3.00        | 2.4 | 20        | 99.4       | X437171 - X4I0195-08 |       |
| EPA 300.0                                                             | Fluoride              | mg/L  | 2.25       | 2.20         | 2.00        | 2.7 | 20        | 99.5       | X437171 - X4I0195-08 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L  | 1.92       | 1.86         | 2.00        | 3.2 | 20        | 96.0       | X437171 - X4I0195-08 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L  | 3.97       | 3.84         | 4.00        | 3.2 | 20        | 99.1       | X437171 - X4I0195-08 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L  | 2.05       | 1.98         | 2.00        | 3.1 | 20        | 102        | X437171 - X4I0195-08 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L  | 19.7       | 19.2         | 10.0        | 2.5 | 20        | 102        | X437171 - X4I0195-08 |       |



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410187**

Reported: 26-Sep-24 12:15

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**Notes and Definitions**

|         |                                                                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time. |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                               |
| RPD     | Relative Percent Difference                                                                                                                           |
| UDL     | A result is less than the detection limit                                                                                                             |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                   |
| <RL     | A result is less than the reporting limit                                                                                                             |
| MRL     | Method Reporting Limit                                                                                                                                |
| MDL     | Method Detection Limit                                                                                                                                |
| N/A     | Not Applicable                                                                                                                                        |

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One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0264**

Reported: 01-Oct-24 16:51

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| GVMW-15B  | X4I0264-01    | Ground Water | 16-Sep-24 10:22 | TR         | 17-Sep-2024   |       |
| GVMW-25   | X4I0264-02    | Ground Water | 16-Sep-24 12:38 | TR         | 17-Sep-2024   | Q5C   |
| OSABH-17  | X4I0264-03    | Ground Water | 16-Sep-24 14:01 | TR         | 17-Sep-2024   | Q5C   |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

**Case Narrative: X4I0264**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410264**

Reported: 01-Oct-24 16:51

Client Sample ID: **GVMW-15B**

Sampled: 16-Sep-24 10:22

Received: 17-Sep-24

Sampled By: TR

SVL Sample ID: **X410264-01 (Ground Water)****Sample Report Page 1 of 2**

| Method                                                                | Analyte                    | Result | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-----------------------------------------------------------------------|----------------------------|--------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                            |        |       |       |       |          |         |         |                |       |
| EPA 200.7                                                             | <b>Calcium</b>             | 33.8   | mg/L  | 0.100 | 0.069 |          | X438196 | SJN     | 09/25/24 16:31 |       |
| EPA 200.7                                                             | <b>Magnesium</b>           | 18.9   | mg/L  | 0.500 | 0.090 |          | X438196 | SJN     | 09/25/24 16:31 |       |
| EPA 200.7                                                             | <b>Potassium</b>           | 2.20   | mg/L  | 0.50  | 0.18  |          | X438196 | SJN     | 09/25/24 16:31 |       |
| SM 2340 B                                                             | <b>Hardness (as CaCO3)</b> | 165    | mg/L  | 2.31  | 0.543 |          | N/A     |         | 09/25/24 16:31 |       |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Aluminum</b>  | 0.364      | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Barium</b>    | 0.0137     | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Beryllium</b> | 0.0312     | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Calcium</b>   | 34.8       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Cobalt</b>    | 0.0588     | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Iron</b>      | 19.7       | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Lead</b>      | 0.0375     | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Magnesium</b> | 19.6       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Manganese</b> | 1.19       | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Nickel</b>    | 0.0774     | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Potassium</b> | 2.08       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Sodium</b>    | 12.3       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.7 | <b>Zinc</b>      | 1.17       | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 12:25 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X438092 | SMU | 09/23/24 17:07 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X438092 | SMU | 09/23/24 17:07 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X438092 | SMU | 09/23/24 17:07 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X438092 | SMU | 09/23/24 17:07 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.00360    | mg/L | 0.000100 | 0.000052 |  | X438092 | SMU | 09/23/24 17:07 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X438213 | MAC | 09/23/24 17:46 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |  |         |     |                |    |
|-------------|-------------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X439153 | DD  | 09/30/24 14:19 |    |
| EPA 335.4   | Cyanide (total)               | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X439001 | DD  | 09/24/24 10:34 |    |
| EPA 350.1   | <b>Ammonia as N</b>           | 0.042    | mg/L          | 0.030  | 0.013  |  | X438185 | DD  | 09/23/24 11:27 |    |
| OIA 1677    | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438184 | DD  | 09/20/24 12:26 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>      | 151      | mg/L as CaCO3 | 10.0   |        |  | X438151 | MWD | 09/23/24 07:29 |    |
| SM 2320 B   | Total Alkalinity              | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438102 | MWD | 09/18/24 11:52 |    |
| SM 2320 B   | Bicarbonate                   | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438102 | MWD | 09/18/24 11:52 |    |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438102 | MWD | 09/18/24 11:52 |    |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438102 | MWD | 09/18/24 11:52 |    |
| SM 2540 C   | <b>Total Diss. Solids</b>     | 399      | mg/L          | 10     |        |  | X438076 | TJL | 09/19/24 13:50 |    |
| SM 2540 D   | <b>Total Susp. Solids</b>     | 7.0      | mg/L          | 5.0    |        |  | X438078 | TJL | 09/20/24 14:00 |    |
| SM 4500 H B | <b>pH @20.7°C</b>             | 4.2      | pH Units      |        |        |  | X438102 | MWD | 09/18/24 11:52 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 13



One Government Gulch - PO Box 929  
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[www.svl.net](http://www.svl.net)

|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410264</b><br>Reported: 01-Oct-24 16:51 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-15B**  
SVL Sample ID: **X410264-01 (Ground Water)**

Sampled: 16-Sep-24 10:22  
Received: 17-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte               | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|-----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                       |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | <b>Chloride</b>       | 0.97    | mg/L  | 0.20  | 0.02  |          | X438048 | RS      | 09/17/24 18:51 |       |
| EPA 300.0                           | <b>Fluoride</b>       | 0.361   | mg/L  | 0.100 | 0.017 |          | X438048 | RS      | 09/17/24 18:51 |       |
| EPA 300.0                           | Nitrate as N          | < 0.050 | mg/L  | 0.050 | 0.013 |          | X438048 | RS      | 09/17/24 18:51 |       |
| EPA 300.0                           | Nitrate+Nitrite as N  | < 0.100 | mg/L  | 0.100 | 0.044 |          | X438048 | RS      | 09/17/24 18:51 |       |
| EPA 300.0                           | Nitrite as N          | < 0.050 | mg/L  | 0.050 | 0.031 |          | X438048 | RS      | 09/17/24 18:51 |       |
| EPA 300.0                           | <b>Sulfate as SO4</b> | 247     | mg/L  | 3.00  | 1.80  | 10       | X438048 | RS      | 09/17/24 19:09 |       |

**Cation/Anion Balance and TDS Ratios**

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 4.66 meq/L | Anion Sum: 5.21 meq/L | C/A Balance: -5.56 % | Calculated TDS: 316 | TDS/cTDS: 1.26 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410264**

Reported: 01-Oct-24 16:51

Client Sample ID: **GVMW-25**

Sampled: 16-Sep-24 12:38

Received: 17-Sep-24

Sampled By: TR

SVL Sample ID: **X410264-02 (Ground Water)****Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                     |      |      |       |       |  |         |     |                |  |
|-----------|---------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | Calcium             | 420  | mg/L | 0.100 | 0.069 |  | X438196 | SJN | 09/25/24 16:35 |  |
| EPA 200.7 | Magnesium           | 399  | mg/L | 0.500 | 0.090 |  | X438196 | SJN | 09/25/24 16:35 |  |
| EPA 200.7 | Potassium           | 6.81 | mg/L | 0.50  | 0.18  |  | X438196 | SJN | 09/25/24 16:35 |  |
| SM 2340 B | Hardness (as CaCO3) | 2690 | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/23/24 12:29 |  |

**Metals (Dissolved)**

|           |            |           |      |          |          |    |         |     |                |     |
|-----------|------------|-----------|------|----------|----------|----|---------|-----|----------------|-----|
| EPA 200.7 | Aluminum   | 980       | mg/L | 0.800    | 0.540    | 10 | X439009 | SJN | 09/23/24 12:48 |     |
| EPA 200.7 | Barium     | 0.0150    | mg/L | 0.0020   | 0.0019   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Beryllium  | 0.661     | mg/L | 0.00200  | 0.00080  |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Boron      | 0.0437    | mg/L | 0.0400   | 0.0078   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Cadmium    | 1.82      | mg/L | 0.0020   | 0.0016   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Calcium    | 522       | mg/L | 0.100    | 0.069    |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Chromium   | 0.120     | mg/L | 0.0060   | 0.0020   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Cobalt     | 2.13      | mg/L | 0.0060   | 0.0046   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Copper     | 4.12      | mg/L | 0.0100   | 0.0027   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Iron       | 6.30      | mg/L | 0.100    | 0.056    |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Lead       | 0.0352    | mg/L | 0.0075   | 0.0049   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Lithium    | 0.196     | mg/L | 0.040    | 0.025    |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Magnesium  | 430       | mg/L | 0.500    | 0.090    |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Manganese  | 249       | mg/L | 0.0800   | 0.0340   | 10 | X439009 | SJN | 09/23/24 12:48 |     |
| EPA 200.7 | Molybdenum | < 0.0080  | mg/L | 0.0080   | 0.0034   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Nickel     | 2.79      | mg/L | 0.0100   | 0.0048   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Potassium  | 6.74      | mg/L | 0.50     | 0.18     |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Silver     | < 0.0050  | mg/L | 0.0050   | 0.0019   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Sodium     | 40.9      | mg/L | 0.50     | 0.12     |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Vanadium   | < 0.0050  | mg/L | 0.0050   | 0.0019   |    | X439009 | SJN | 09/23/24 12:29 |     |
| EPA 200.7 | Zinc       | 68.7      | mg/L | 0.100    | 0.0540   | 10 | X439009 | SJN | 09/23/24 12:48 |     |
| EPA 200.8 | Antimony   | < 0.00100 | mg/L | 0.00100  | 0.00072  |    | X438092 | SMU | 09/23/24 17:10 |     |
| EPA 200.8 | Arsenic    | 0.0218    | mg/L | 0.00100  | 0.00021  |    | X438092 | SMU | 09/23/24 20:30 |     |
| EPA 200.8 | Selenium   | 0.0380    | mg/L | 0.00100  | 0.00024  |    | X438092 | SMU | 09/23/24 20:30 |     |
| EPA 200.8 | Thallium   | < 0.00100 | mg/L | 0.00100  | 0.000400 | 5  | X438092 | SMU | 09/23/24 20:32 | D17 |
| EPA 200.8 | Uranium    | 3.65      | mg/L | 0.000500 | 0.000260 | 5  | X438092 | SMU | 09/23/24 20:32 |     |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X438213 | MAC | 09/23/24 17:48 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |    |         |     |                |         |
|-------------|-------------------------------|----------|---------------|--------|--------|----|---------|-----|----------------|---------|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0500 | mg/L          | 0.0500 | 0.0480 | 10 | X439153 | DD  | 09/30/24 14:21 | D15,Q12 |
| EPA 335.4   | Cyanide (total)               | < 0.0050 | mg/L          | 0.0050 | 0.0038 |    | X439001 | DD  | 09/24/24 13:30 |         |
| EPA 350.1   | Ammonia as N                  | < 0.030  | mg/L          | 0.030  | 0.013  |    | X438185 | DD  | 09/23/24 11:29 |         |
| OIA 1677    | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |    | X438184 | DD  | 09/20/24 12:27 |         |
| SM 2310 B   | Acidity to pH 8.3             | 6720     | mg/L as CaCO3 | 10.0   |        |    | X438151 | MWD | 09/23/24 07:29 |         |
| SM 2320 B   | Total Alkalinity              | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X438102 | MWD | 09/18/24 11:56 |         |
| SM 2320 B   | Bicarbonate                   | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X438102 | MWD | 09/18/24 11:56 |         |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X438102 | MWD | 09/18/24 11:56 |         |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X438102 | MWD | 09/18/24 11:56 |         |
| SM 2540 C   | Total Diss. Solids            | 13900    | mg/L          | 100    |        |    | X438076 | TJL | 09/19/24 13:50 |         |
| SM 2540 D   | Total Susp. Solids            | 35.0     | mg/L          | 5.0    |        |    | X438078 | TJL | 09/20/24 14:00 |         |
| SM 4500 H B | pH @20.6°C                    | 3.4      | pH Units      |        |        |    | X438102 | MWD | 09/18/24 11:56 | H5      |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 13



One Government Gulch - PO Box 929  
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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410264</b><br>Reported: 01-Oct-24 16:51 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-25**  
SVL Sample ID: **X410264-02 (Ground Water)**

Sampled: 16-Sep-24 12:38  
Received: 17-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 24.3    | mg/L  | 2.00  | 0.22  | 10       | X438048 | RS      | 09/17/24 19:28 |       |
| EPA 300.0                           | Fluoride             | 91.2    | mg/L  | 25.0  | 4.25  | 250      | X438048 | RS      | 09/17/24 19:46 |       |
| EPA 300.0                           | Nitrate as N         | 3.62    | mg/L  | 0.500 | 0.130 | 10       | X438048 | RS      | 09/17/24 19:28 | D18   |
| EPA 300.0                           | Nitrate+Nitrite as N | 3.62    | mg/L  | 1.00  | 0.440 | 10       | X438048 | RS      | 09/17/24 19:28 | D18   |
| EPA 300.0                           | Nitrite as N         | < 0.500 | mg/L  | 0.500 | 0.310 | 10       | X438048 | RS      | 09/17/24 19:28 |       |
| EPA 300.0                           | Sulfate as SO4       | 9740    | mg/L  | 75.0  | 45.0  | 250      | X438048 | RS      | 09/17/24 19:46 |       |

Cation/Anion Balance and TDS Ratios

|                       |                      |                      |                       |                |
|-----------------------|----------------------|----------------------|-----------------------|----------------|
| Cation Sum: 190 meq/L | Anion Sum: 209 meq/L | C/A Balance: -4.62 % | Calculated TDS: 10805 | TDS/cTDS: 1.29 |
|-----------------------|----------------------|----------------------|-----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410264**

Reported: 01-Oct-24 16:51

Client Sample ID: **OSABH-17**

Sampled: 16-Sep-24 14:01

Received: 17-Sep-24

Sampled By: TR

SVL Sample ID: **X410264-03 (Ground Water)****Sample Report Page 1 of 2**

| Method                                                                | Analyte                              | Result     | Units         | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes   |
|-----------------------------------------------------------------------|--------------------------------------|------------|---------------|----------|----------|----------|---------|---------|----------------|---------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                                      |            |               |          |          |          |         |         |                |         |
| EPA 200.7                                                             | <b>Calcium</b>                       | 402        | mg/L          | 1.00     | 0.690    | 10       | X438196 | SJN     | 09/25/24 16:53 | D11     |
| EPA 200.7                                                             | <b>Magnesium</b>                     | 1190       | mg/L          | 5.00     | 0.900    | 10       | X438196 | SJN     | 09/25/24 16:53 | D11     |
| EPA 200.7                                                             | <b>Potassium</b>                     | < 5.00     | mg/L          | 5.00     | 1.80     | 10       | X438196 | SJN     | 09/25/24 16:53 | D11     |
| SM 2340 B                                                             | <b>Hardness (as CaCO3)</b>           | 5900       | mg/L          | 23.1     | 5.43     |          | N/A     |         | 09/23/24 12:32 |         |
| <b>Metals (Dissolved)</b>                                             |                                      |            |               |          |          |          |         |         |                |         |
| EPA 200.7                                                             | <b>Aluminum</b>                      | 2760       | mg/L          | 0.400    | 0.270    | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Barium</b>                        | < 0.0100   | mg/L          | 0.0100   | 0.0095   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Beryllium</b>                     | 0.597      | mg/L          | 0.0100   | 0.00400  | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Boron</b>                         | < 0.200    | mg/L          | 0.200    | 0.0390   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Cadmium</b>                       | 5.64       | mg/L          | 0.0100   | 0.0080   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Calcium</b>                       | 416        | mg/L          | 0.500    | 0.345    | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Chromium</b>                      | 0.380      | mg/L          | 0.0300   | 0.0100   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Cobalt</b>                        | 12.7       | mg/L          | 0.0300   | 0.0230   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Copper</b>                        | 11.1       | mg/L          | 0.0500   | 0.0135   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Iron</b>                          | 131        | mg/L          | 0.500    | 0.280    | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Lead</b>                          | 0.0563     | mg/L          | 0.0375   | 0.0245   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Lithium</b>                       | 1.23       | mg/L          | 0.200    | 0.125    | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Magnesium</b>                     | 1240       | mg/L          | 2.50     | 0.450    | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Manganese</b>                     | 863        | mg/L          | 0.400    | 0.170    | 50       | X439009 | SJN     | 09/23/24 12:51 | D11     |
| EPA 200.7                                                             | <b>Molybdenum</b>                    | < 0.0400   | mg/L          | 0.0400   | 0.0170   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Nickel</b>                        | 11.4       | mg/L          | 0.0500   | 0.0240   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Potassium</b>                     | 3.67       | mg/L          | 2.50     | 0.90     | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Silver</b>                        | < 0.0250   | mg/L          | 0.0250   | 0.0095   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Sodium</b>                        | 14.8       | mg/L          | 2.50     | 0.60     | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Vanadium</b>                      | < 0.0250   | mg/L          | 0.0250   | 0.0095   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.7                                                             | <b>Zinc</b>                          | 191        | mg/L          | 0.0500   | 0.0270   | 5        | X439009 | SJN     | 09/23/24 12:32 | D11     |
| EPA 200.8                                                             | <b>Antimony</b>                      | < 0.100    | mg/L          | 0.100    | 0.0720   | 100      | X438092 | SMU     | 09/23/24 17:49 | D11,D17 |
| EPA 200.8                                                             | <b>Arsenic</b>                       | < 0.100    | mg/L          | 0.100    | 0.0210   | 100      | X438092 | SMU     | 09/23/24 17:49 | D11,D17 |
| EPA 200.8                                                             | <b>Selenium</b>                      | 0.151      | mg/L          | 0.100    | 0.0240   | 100      | X438092 | SMU     | 09/23/24 17:49 | D11,D17 |
| EPA 200.8                                                             | <b>Thallium</b>                      | < 0.0200   | mg/L          | 0.0200   | 0.00800  | 100      | X438092 | SMU     | 09/23/24 17:49 | D11,D17 |
| EPA 200.8                                                             | <b>Uranium</b>                       | 8.30       | mg/L          | 0.0100   | 0.00520  | 100      | X438092 | SMU     | 09/23/24 17:49 |         |
| <b>Metals (Filtered)</b>                                              |                                      |            |               |          |          |          |         |         |                |         |
| EPA 245.1                                                             | <b>Mercury</b>                       | < 0.000200 | mg/L          | 0.000200 | 0.000093 |          | X438213 | MAC     | 09/23/24 17:51 |         |
| <b>Classical Chemistry Parameters</b>                                 |                                      |            |               |          |          |          |         |         |                |         |
| ASTM D7237                                                            | <b>Cyanide (free) @ pH 6 @20.0°C</b> | < 0.0500   | mg/L          | 0.0500   | 0.0480   | 10       | X439153 | DD      | 09/30/24 14:23 | D15,Q12 |
| EPA 335.4                                                             | <b>Cyanide (total)</b>               | 0.0118     | mg/L          | 0.0050   | 0.0038   |          | X439001 | DD      | 09/24/24 10:49 |         |
| EPA 350.1                                                             | <b>Ammonia as N</b>                  | 0.047      | mg/L          | 0.030    | 0.013    |          | X438185 | DD      | 09/23/24 11:31 |         |
| OIA 1677                                                              | <b>Cyanide (WAD)</b>                 | < 0.0500   | mg/L          | 0.0500   | 0.0100   | 10       | X438184 | DD      | 09/20/24 12:29 | D13,Q12 |
| SM 2310 B                                                             | <b>Acidity to pH 8.3</b>             | 18300      | mg/L as CaCO3 | 10.0     |          |          | X438151 | MWD     | 09/23/24 07:29 |         |
| SM 2320 B                                                             | <b>Total Alkalinity</b>              | < 1.0      | mg/L as CaCO3 | 1.0      |          |          | X438102 | MWD     | 09/18/24 12:02 |         |
| SM 2320 B                                                             | <b>Bicarbonate</b>                   | < 1.0      | mg/L as CaCO3 | 1.0      |          |          | X438102 | MWD     | 09/18/24 12:02 |         |
| SM 2320 B                                                             | <b>Carbonate</b>                     | < 1.0      | mg/L as CaCO3 | 1.0      |          |          | X438102 | MWD     | 09/18/24 12:02 |         |
| SM 2320 B                                                             | <b>Hydroxide</b>                     | < 1.0      | mg/L as CaCO3 | 1.0      |          |          | X438102 | MWD     | 09/18/24 12:02 |         |
| SM 2540 C                                                             | <b>Total Diss. Solids</b>            | 32100      | mg/L          | 100      |          |          | X438076 | TJL     | 09/19/24 13:50 |         |
| SM 2540 D                                                             | <b>Total Susp. Solids</b>            | 72.0       | mg/L          | 5.0      |          |          | X438078 | TJL     | 09/20/24 14:00 |         |
| SM 4500 H B                                                           | <b>pH @20.9°C</b>                    | 2.9        | pH Units      |          |          |          | X438102 | MWD     | 09/18/24 12:02 | H5      |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 13



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410264</b><br>Reported: 01-Oct-24 16:51 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **OSABH-17**  
SVL Sample ID: **X410264-03 (Ground Water)**

Sampled: 16-Sep-24 14:01  
Received: 17-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result | Units | RL   | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|--------|-------|------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |        |       |      |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 17.3   | mg/L  | 10.0 | 1.10  | 50       | X438048 | RS      | 09/17/24 20:05 |       |
| EPA 300.0                           | Fluoride             | 173    | mg/L  | 5.00 | 0.850 | 50       | X438048 | RS      | 09/17/24 20:05 |       |
| EPA 300.0                           | Nitrate as N         | 4.75   | mg/L  | 2.50 | 0.650 | 50       | X438048 | RS      | 09/17/24 20:05 | D18   |
| EPA 300.0                           | Nitrate+Nitrite as N | < 5.00 | mg/L  | 5.00 | 2.20  | 50       | X438048 | RS      | 09/17/24 20:05 | D18   |
| EPA 300.0                           | Nitrite as N         | < 2.50 | mg/L  | 2.50 | 1.55  | 50       | X438048 | RS      | 09/17/24 20:05 |       |
| EPA 300.0                           | Sulfate as SO4       | 24200  | mg/L  | 300  | 180   | 1000     | X438048 | RS      | 09/17/24 20:23 |       |

**Cation/Anion Balance and TDS Ratios**

|                       |                      |                      |                       |                |
|-----------------------|----------------------|----------------------|-----------------------|----------------|
| Cation Sum: 485 meq/L | Anion Sum: 514 meq/L | C/A Balance: -2.90 % | Calculated TDS: 26031 | TDS/cTDS: 1.23 |
|-----------------------|----------------------|----------------------|-----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410264**

Reported: 01-Oct-24 16:51

**Quality Control - BLANK Data**

| Method                                                                | Analyte               | Units         | Result    | MDL      | MRL      | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|---------------|-----------|----------|----------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X438196  | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X438196  | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X438196  | 25-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L          | <0.080    | 0.054    | 0.080    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium                | mg/L          | <0.0020   | 0.0019   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L          | <0.00200  | 0.00080  | 0.00200  | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L          | <0.0400   | 0.0078   | 0.0400   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium               | mg/L          | <0.0020   | 0.0016   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L          | <0.0060   | 0.0020   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt                | mg/L          | <0.0060   | 0.0046   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper                | mg/L          | <0.0100   | 0.0027   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L          | <0.100    | 0.056    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead                  | mg/L          | <0.0075   | 0.0049   | 0.0075   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium               | mg/L          | <0.040    | 0.025    | 0.040    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L          | <0.0100   | 0.0048   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Silver                | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L          | <0.50     | 0.12     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Vanadium              | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L          | <0.0100   | 0.0054   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X438092  | 23-Sep-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X438092  | 23-Sep-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X438092  | 23-Sep-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X438092  | 23-Sep-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X438092  | 23-Sep-24 |       |
| <b>Metals (Filtered)</b>                                              |                       |               |           |          |          |          |           |       |
| EPA 245.1                                                             | Mercury               | mg/L          | <0.000200 | 0.000093 | 0.000200 | X438213  | 23-Sep-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |               |           |          |          |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L          | <0.0050   | 0.0048   | 0.0050   | X439153  | 30-Sep-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L          | <0.0050   | 0.0038   | 0.0050   | X439001  | 24-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | <0.030    | 0.013    | 0.030    | X438185  | 23-Sep-24 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L          | <0.0050   | 0.0010   | 0.0050   | X438184  | 20-Sep-24 |       |
| SM 2310 B                                                             | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0     |          | 10.0     | X438151  | 23-Sep-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | <1.0      |          | 1.0      | X438102  | 18-Sep-24 |       |
| SM 2320 B                                                             | Bicarbonate           | mg/L as CaCO3 | <1.0      |          | 1.0      | X438102  | 18-Sep-24 |       |
| SM 2320 B                                                             | Carbonate             | mg/L as CaCO3 | <1.0      |          | 1.0      | X438102  | 18-Sep-24 |       |
| SM 2320 B                                                             | Hydroxide             | mg/L as CaCO3 | <1.0      |          | 1.0      | X438102  | 18-Sep-24 |       |
| SM 2540 C                                                             | Total Diss. Solids    | mg/L          | <10       |          | 10       | X438076  | 19-Sep-24 |       |
| SM 2540 D                                                             | Total Susp. Solids    | mg/L          | <5.0      |          | 5.0      | X438078  | 20-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |               |           |          |          |          |           |       |
| EPA 300.0                                                             | Chloride              | mg/L          | <0.20     | 0.02     | 0.20     | X438048  | 17-Sep-24 |       |
| EPA 300.0                                                             | Fluoride              | mg/L          | <0.100    | 0.017    | 0.100    | X438048  | 17-Sep-24 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L          | <0.050    | 0.013    | 0.050    | X438048  | 17-Sep-24 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L          | <0.100    | 0.044    | 0.100    | X438048  | 17-Sep-24 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L          | <0.050    | 0.031    | 0.050    | X438048  | 17-Sep-24 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L          | <0.30     | 0.18     | 0.30     | X438048  | 17-Sep-24 |       |



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410264**

Reported: 01-Oct-24 16:51

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 18.8 | 20.0 | 94   | 85 - 115 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.2 | 20.0 | 96.2 | 85 - 115 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | 19.0 | 20.0 | 94.9 | 85 - 115 | X438196 | 25-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.04   | 1.00   | 104  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.978  | 1.00   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 19.6   | 20.0   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.997  | 1.00   | 99.7 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.961  | 1.00   | 96.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.95   | 10.0   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.972  | 1.00   | 97.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.2   | 20.0   | 95.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.992  | 1.00   | 99.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.995  | 1.00   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.6   | 20.0   | 98.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0524 | 0.0500 | 105  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 19.1   | 19.0   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0274 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0284 | 0.0250 | 114  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0265 | 0.0250 | 106  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0276 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0252 | 0.0250 | 101  | 85 - 115 | X438092 | 23-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |     |          |         |           |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00207 | 0.00200 | 103 | 85 - 115 | X438213 | 23-Sep-24 |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |       |       |     |            |         |           |  |
|------------|-----------------------|---------------|-------|-------|-----|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.101 | 0.100 | 101 | 90 - 110   | X439153 | 30-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.101 | 0.100 | 101 | 90 - 110   | X439001 | 24-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 1.09  | 1.00  | 109 | 90 - 110   | X438185 | 23-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.104 | 0.100 | 104 | 90 - 110   | X438184 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897   | 884   | 102 | 95.4 - 104 | X438151 | 23-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 10.3  | 9.93  | 104 | 96.4 - 105 | X438102 | 18-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 413   | 397   | 104 | 96.4 - 105 | X438102 | 18-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 10.0  | 10.0  | 100 | 85 - 115   | X438078 | 20-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |     |          |         |           |  |
|-----------|----------------------|------|------|------|-----|----------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 3.03 | 3.00 | 101 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.03 | 2.00 | 102 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.03 | 2.00 | 102 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.60 | 4.50 | 102 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.57 | 2.50 | 103 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 10.3 | 10.0 | 103 | 90 - 110 | X438048 | 17-Sep-24 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410264**

Reported: 01-Oct-24 16:51

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD  | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|------|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |      |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | 149              | 149           | 0.0  | 20        | X438151 - X410176-02 | 23-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 227              | 228           | 0.4  | 10        | X438076 - X410270-04 | 19-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 368              | 399           | 8.1  | 10        | X438076 - X410264-01 | 19-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | 23.0             | 29.0          | 23.1 | 10        | X438078 - X410270-04 | 20-Sep-24 | R2B   |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | 7.0              | 7.0           | 0.0  | 10        | X438078 - X410264-01 | 20-Sep-24 |       |
| SM 4500 H B                           | pH @20.7°C         | pH Units                  | 3.4              | 3.4           | 0.0  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                                | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 62.3         | 42.5              | 20.0            | 99     | 70 - 130          | X438196 - X410221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 33.3         | 14.2              | 20.0            | 96     | 70 - 130          | X438196 - X410230-06 | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 27.0         | 6.79              | 20.0            | 101    | 70 - 130          | X438196 - X410221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 20.2         | <0.500            | 20.0            | 98.9   | 70 - 130          | X438196 - X410230-06 | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 20.5         | 1.21              | 20.0            | 96.4   | 70 - 130          | X438196 - X410221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 19.9         | <0.50             | 20.0            | 98.0   | 70 - 130          | X438196 - X410230-06 | 25-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.01         | <0.080            | 1.00            | 101    | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.02         | <0.080            | 1.00            | 102    | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.18         | 0.196             | 1.00            | 98.5   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.09         | 0.101             | 1.00            | 98.9   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 1.01         | <0.0400           | 1.00            | 98.8   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 0.996        | <0.0400           | 1.00            | 98.7   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.987        | <0.0020           | 1.00            | 98.7   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.983        | <0.0020           | 1.00            | 98.3   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 48.3         | 29.4              | 20.0            | 94.9   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 29.9         | 10.4              | 20.0            | 97.5   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.984        | <0.0060           | 1.00            | 98.4   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.993        | <0.0060           | 1.00            | 99.3   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.966        | <0.0060           | 1.00            | 96.6   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.956        | <0.0060           | 1.00            | 95.6   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.974        | <0.0100           | 1.00            | 97.4   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.976        | <0.0100           | 1.00            | 97.6   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 9.73         | <0.100            | 10.0            | 97.3   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 10.0         | <0.100            | 10.0            | 100    | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.983        | <0.0075           | 1.00            | 98.3   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.975        | <0.0075           | 1.00            | 97.5   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.981        | <0.040            | 1.00            | 98.1   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.934        | <0.040            | 1.00            | 93.4   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 26.2         | 6.70              | 20.0            | 97.3   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 21.7         | 2.10              | 20.0            | 98.1   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410264**

Reported: 01-Oct-24 16:51

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte               | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec.  | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|-----------------------|-------|--------------|-------------------|-----------------|---------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 200.7                             | Manganese             | mg/L  | 0.987        | <0.0080           | 1.00            | 98.0    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Manganese             | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 1.01         | <0.0080           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.966        | <0.0100           | 1.00            | 96.6    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.957        | <0.0100           | 1.00            | 95.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.1         | 0.95              | 20.0            | 95.6    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.5         | 0.78              | 20.0            | 98.6    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0539       | <0.0050           | 0.0500          | 108     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0533       | <0.0050           | 0.0500          | 107     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 49.6         | 31.6              | 19.0            | 95.1    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 28.9         | 10.1              | 19.0            | 98.8    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.01         | <0.0100           | 1.00            | 101     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.00         | <0.0100           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0286       | <0.00100          | 0.0250          | 114     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0278       | <0.00100          | 0.0250          | 111     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0270       | <0.00100          | 0.0250          | 105     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0282       | <0.00100          | 0.0250          | 113     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0247       | <0.00100          | 0.0250          | 98.8    | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0261       | <0.00100          | 0.0250          | 105     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0275       | <0.000200         | 0.0250          | 110     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0267       | <0.000200         | 0.0250          | 107     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0337       | 0.00424           | 0.0250          | 118     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0336       | 0.00483           | 0.0250          | 115     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| <b>Metals (Filtered)</b>              |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00211      | <0.000200         | 0.00200         | 106     | 70 - 130          | X438213 - X4I0264-01 | 23-Sep-24 |       |
| <b>Classical Chemistry Parameters</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| ASTM D7237                            | Cyanide (free) @ pH 6 | mg/L  | 0.0980       | <0.0050           | 0.100           | 98.0    | 79 - 121          | X439153 - X4I0262-01 | 30-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.104        | <0.0050           | 0.100           | 104     | 90 - 110          | X439001 - X4I0262-01 | 24-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.588        | 0.454             | 0.100           | 0.30R>S | 90 - 110          | X439001 - X4I0211-01 | 24-Sep-24 | M4    |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.79         | 0.742             | 1.00            | 105     | 90 - 110          | X438185 - X4I0266-09 | 23-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.74         | 0.653             | 1.00            | 109     | 90 - 110          | X438185 - X4I0266-10 | 23-Sep-24 |       |
| OIA 1677                              | Cyanide (WAD)         | mg/L  | 0.101        | <0.0050           | 0.100           | 99.0    | 82 - 118          | X438184 - X4I0262-01 | 20-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>   |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 300.0                             | Chloride              | mg/L  | 5.66         | 2.46              | 3.00            | 106     | 90 - 110          | X438048 - X4I0242-02 | 17-Sep-24 |       |
| EPA 300.0                             | Chloride              | mg/L  | 3.22         | <0.20             | 3.00            | 101     | 90 - 110          | X438048 - X4I0262-01 | 17-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.13         | <0.100            | 2.00            | 104     | 90 - 110          | X438048 - X4I0242-02 | 17-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.12         | <0.100            | 2.00            | 102     | 90 - 110          | X438048 - X4I0262-01 | 17-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 2.03         | <0.050            | 2.00            | 102     | 90 - 110          | X438048 - X4I0242-02 | 17-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 2.06         | <0.050            | 2.00            | 102     | 90 - 110          | X438048 - X4I0262-01 | 17-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.07         | <0.100            | 4.00            | 102     | 90 - 110          | X438048 - X4I0242-02 | 17-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.15         | <0.100            | 4.00            | 104     | 90 - 110          | X438048 - X4I0262-01 | 17-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.04         | <0.050            | 2.00            | 102     | 90 - 110          | X438048 - X4I0242-02 | 17-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.09         | <0.050            | 2.00            | 104     | 90 - 110          | X438048 - X4I0262-01 | 17-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 22.6         | 12.2              | 10.0            | 104     | 90 - 110          | X438048 - X4I0242-02 | 17-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 10.9         | 0.55              | 10.0            | 103     | 90 - 110          | X438048 - X4I0262-01 | 17-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410264**

Reported: 01-Oct-24 16:51

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |     |    |      |                      |  |
|-----------|-----------|------|------|------|------|-----|----|------|----------------------|--|
| EPA 200.7 | Calcium   | mg/L | 60.9 | 62.3 | 20.0 | 2.0 | 20 | 92   | X438196 - X410221-01 |  |
| EPA 200.7 | Magnesium | mg/L | 26.1 | 27.0 | 20.0 | 3.4 | 20 | 96.7 | X438196 - X410221-01 |  |
| EPA 200.7 | Potassium | mg/L | 19.9 | 20.5 | 20.0 | 2.8 | 20 | 93.6 | X438196 - X410221-01 |  |

**Metals (Dissolved)**

|           |            |      |        |        |        |     |    |      |                      |  |
|-----------|------------|------|--------|--------|--------|-----|----|------|----------------------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.01   | 1.01   | 1.00   | 0.5 | 20 | 101  | X439009 - X410153-01 |  |
| EPA 200.7 | Barium     | mg/L | 1.17   | 1.18   | 1.00   | 0.6 | 20 | 97.8 | X439009 - X410153-01 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.02   | 1.02   | 1.00   | 0.4 | 20 | 102  | X439009 - X410153-01 |  |
| EPA 200.7 | Boron      | mg/L | 1.01   | 1.01   | 1.00   | 0.3 | 20 | 99.0 | X439009 - X410153-01 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.975  | 0.987  | 1.00   | 1.2 | 20 | 97.5 | X439009 - X410153-01 |  |
| EPA 200.7 | Calcium    | mg/L | 48.7   | 48.3   | 20.0   | 0.7 | 20 | 96.6 | X439009 - X410153-01 |  |
| EPA 200.7 | Chromium   | mg/L | 0.986  | 0.984  | 1.00   | 0.2 | 20 | 98.6 | X439009 - X410153-01 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.953  | 0.966  | 1.00   | 1.4 | 20 | 95.3 | X439009 - X410153-01 |  |
| EPA 200.7 | Copper     | mg/L | 0.974  | 0.974  | 1.00   | 0.0 | 20 | 97.4 | X439009 - X410153-01 |  |
| EPA 200.7 | Iron       | mg/L | 9.97   | 9.73   | 10.0   | 2.4 | 20 | 99.7 | X439009 - X410153-01 |  |
| EPA 200.7 | Lead       | mg/L | 0.974  | 0.983  | 1.00   | 0.9 | 20 | 97.4 | X439009 - X410153-01 |  |
| EPA 200.7 | Lithium    | mg/L | 0.977  | 0.981  | 1.00   | 0.3 | 20 | 97.7 | X439009 - X410153-01 |  |
| EPA 200.7 | Magnesium  | mg/L | 26.7   | 26.2   | 20.0   | 1.9 | 20 | 99.8 | X439009 - X410153-01 |  |
| EPA 200.7 | Manganese  | mg/L | 0.986  | 0.987  | 1.00   | 0.1 | 20 | 98.0 | X439009 - X410153-01 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.999  | 1.01   | 1.00   | 0.6 | 20 | 99.5 | X439009 - X410153-01 |  |
| EPA 200.7 | Nickel     | mg/L | 0.953  | 0.966  | 1.00   | 1.4 | 20 | 95.3 | X439009 - X410153-01 |  |
| EPA 200.7 | Potassium  | mg/L | 20.7   | 20.1   | 20.0   | 2.9 | 20 | 98.5 | X439009 - X410153-01 |  |
| EPA 200.7 | Silver     | mg/L | 0.0530 | 0.0539 | 0.0500 | 1.6 | 20 | 106  | X439009 - X410153-01 |  |
| EPA 200.7 | Sodium     | mg/L | 49.9   | 49.6   | 19.0   | 0.6 | 20 | 96.7 | X439009 - X410153-01 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.00   | 1.00   | 1.00   | 0.4 | 20 | 100  | X439009 - X410153-01 |  |
| EPA 200.7 | Zinc       | mg/L | 1.00   | 1.01   | 1.00   | 1.0 | 20 | 100  | X439009 - X410153-01 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0289 | 0.0286 | 0.0250 | 1.3 | 20 | 116  | X438092 - X410187-01 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0278 | 0.0270 | 0.0250 | 3.0 | 20 | 108  | X438092 - X410187-01 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0254 | 0.0247 | 0.0250 | 2.9 | 20 | 102  | X438092 - X410187-01 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0277 | 0.0275 | 0.0250 | 0.6 | 20 | 111  | X438092 - X410187-01 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0336 | 0.0337 | 0.0250 | 0.2 | 20 | 117  | X438092 - X410187-01 |  |

**Metals (Filtered)**

|           |         |      |         |         |         |     |    |     |                      |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|
| EPA 245.1 | Mercury | mg/L | 0.00210 | 0.00211 | 0.00200 | 0.5 | 20 | 105 | X438213 - X410264-01 |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|

**Classical Chemistry Parameters**

|            |                       |      |       |        |       |     |    |         |                      |    |
|------------|-----------------------|------|-------|--------|-------|-----|----|---------|----------------------|----|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.102 | 0.0980 | 0.100 | 4.0 | 11 | 102     | X439153 - X410262-01 |    |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.585 | 0.588  | 0.100 | 0.6 | 20 | 0.30R>S | X439001 - X410211-01 | M4 |
| EPA 350.1  | Ammonia as N          | mg/L | 1.80  | 1.79   | 1.00  | 0.4 | 20 | 106     | X438185 - X410266-09 |    |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.108 | 0.101  | 0.100 | 6.7 | 11 | 106     | X438184 - X410262-01 |    |

**Anions by Ion Chromatography**

|           |                      |      |      |      |      |     |    |     |                      |  |
|-----------|----------------------|------|------|------|------|-----|----|-----|----------------------|--|
| EPA 300.0 | Chloride             | mg/L | 5.67 | 5.66 | 3.00 | 0.2 | 20 | 107 | X438048 - X410242-02 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.14 | 2.13 | 2.00 | 0.1 | 20 | 104 | X438048 - X410242-02 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.04 | 2.03 | 2.00 | 0.2 | 20 | 102 | X438048 - X410242-02 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.08 | 4.07 | 4.00 | 0.2 | 20 | 102 | X438048 - X410242-02 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.05 | 2.04 | 2.00 | 0.3 | 20 | 102 | X438048 - X410242-02 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 22.7 | 22.6 | 10.0 | 0.1 | 20 | 105 | X438048 - X410242-02 |  |



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Kellogg, ID 83837-0929

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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410264**

Reported: 01-Oct-24 16:51

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**Notes and Definitions**

|         |                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D11     | Due to sample color, a sample dilution was performed to minimize spectral interference.                                                                              |
| D13     | Due to noticeable turbidity or opacity, a sample dilution was performed.                                                                                             |
| D15     | Due to sample viscosity, a sample dilution was performed.                                                                                                            |
| D17     | Due to an internal standard failure at a lower dilution, a sample dilution was performed.                                                                            |
| D18     | Due to a published chemical interference, a sample dilution was performed.                                                                                           |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.                |
| M4      | The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable. |
| Q12     | Sample was received and analyzed with pH <12.                                                                                                                        |
| Q5C     | After two pH adjustments, the method-specified pH was not achieved.                                                                                                  |
| R2B     | RPD exceeded the laboratory acceptance limit.                                                                                                                        |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                                              |
| RPD     | Relative Percent Difference                                                                                                                                          |
| UDL     | A result is less than the detection limit                                                                                                                            |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                                  |
| <RL     | A result is less than the reporting limit                                                                                                                            |
| MRL     | Method Reporting Limit                                                                                                                                               |
| MDL     | Method Detection Limit                                                                                                                                               |
| N/A     | Not Applicable                                                                                                                                                       |

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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0314**

Reported: 08-Oct-24 16:22

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| OSABH-16  | X4I0314-01    | Ground Water | 18-Sep-24 10:02 | TR         | 19-Sep-2024   | Q5C   |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0314**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410314**

Reported: 08-Oct-24 16:22

Client Sample ID: **OSABH-16**

Sampled: 18-Sep-24 10:02

Received: 19-Sep-24

Sampled By: TR

SVL Sample ID: **X410314-01 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                     |      |      |      |       |    |         |     |                |         |
|-----------|---------------------|------|------|------|-------|----|---------|-----|----------------|---------|
| EPA 200.7 | Calcium             | 565  | mg/L | 1.00 | 0.690 | 10 | X439103 | SJN | 09/30/24 12:53 | D11,D18 |
| EPA 200.7 | Magnesium           | 495  | mg/L | 5.00 | 0.900 | 10 | X439103 | SJN | 09/30/24 12:53 | D11,D18 |
| EPA 200.7 | Potassium           | 7.16 | mg/L | 5.00 | 1.80  | 10 | X439103 | SJN | 09/30/24 12:53 | D11,D18 |
| SM 2340 B | Hardness (as CaCO3) | 3450 | mg/L | 23.1 | 5.43  |    | N/A     |     | 09/23/24 12:39 |         |

**Metals (Dissolved)**

|           |            |          |      |         |         |    |         |     |                |     |
|-----------|------------|----------|------|---------|---------|----|---------|-----|----------------|-----|
| EPA 200.7 | Aluminum   | 1510     | mg/L | 0.400   | 0.270   | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Barium     | 0.0221   | mg/L | 0.0100  | 0.0095  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Beryllium  | 0.687    | mg/L | 0.0100  | 0.00400 | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Boron      | < 0.200  | mg/L | 0.200   | 0.0390  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Cadmium    | 7.11     | mg/L | 0.0100  | 0.0080  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Calcium    | 559      | mg/L | 0.500   | 0.345   | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Chromium   | < 0.0300 | mg/L | 0.0300  | 0.0100  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Cobalt     | 5.20     | mg/L | 0.0300  | 0.0230  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Copper     | 10.1     | mg/L | 0.0500  | 0.0135  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Iron       | 267      | mg/L | 0.500   | 0.280   | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Lead       | 0.0482   | mg/L | 0.0375  | 0.0245  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Lithium    | 0.596    | mg/L | 0.200   | 0.125   | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Magnesium  | 487      | mg/L | 2.50    | 0.450   | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Manganese  | 1260     | mg/L | 0.400   | 0.170   | 50 | X439009 | SJN | 09/23/24 12:55 | D11 |
| EPA 200.7 | Molybdenum | < 0.0400 | mg/L | 0.0400  | 0.0170  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Nickel     | 3.64     | mg/L | 0.0500  | 0.0240  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Potassium  | 7.04     | mg/L | 2.50    | 0.90    | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Silver     | < 0.0250 | mg/L | 0.0250  | 0.0095  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Sodium     | 26.3     | mg/L | 2.50    | 0.60    | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Vanadium   | < 0.0250 | mg/L | 0.0250  | 0.0095  | 5  | X439009 | SJN | 09/23/24 12:39 | D11 |
| EPA 200.7 | Zinc       | 252      | mg/L | 0.500   | 0.270   | 50 | X439009 | SJN | 09/23/24 12:55 | D11 |
| EPA 200.8 | Antimony   | < 0.0500 | mg/L | 0.0500  | 0.0360  | 50 | X440113 | JRR | 10/08/24 12:05 |     |
| EPA 200.8 | Arsenic    | 0.0610   | mg/L | 0.0500  | 0.0105  | 50 | X440113 | JRR | 10/08/24 12:05 |     |
| EPA 200.8 | Selenium   | 0.150    | mg/L | 0.0500  | 0.0120  | 50 | X440113 | JRR | 10/08/24 12:05 |     |
| EPA 200.8 | Thallium   | < 0.0100 | mg/L | 0.0100  | 0.00400 | 50 | X440113 | JRR | 10/08/24 12:05 |     |
| EPA 200.8 | Uranium    | 15.2     | mg/L | 0.00500 | 0.00260 | 50 | X440113 | JRR | 10/08/24 12:05 |     |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439071 | MAC | 09/26/24 20:39 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                       |          |               |        |        |    |         |     |                |         |
|-------------|-----------------------|----------|---------------|--------|--------|----|---------|-----|----------------|---------|
| ASTM D7237  | Cyanide (free) @ pH 6 | < 0.0050 | mg/L          | 0.0050 | 0.0048 |    | X439153 | DD  | 10/01/24 12:40 |         |
| EPA 335.4   | Cyanide (total)       | < 0.0050 | mg/L          | 0.0050 | 0.0038 |    | X439001 | DD  | 09/24/24 11:08 |         |
| EPA 350.1   | Ammonia as N          | 0.103    | mg/L          | 0.030  | 0.013  |    | X438186 | DD  | 09/23/24 12:59 |         |
| OIA 1677    | Cyanide (WAD)         | < 0.0500 | mg/L          | 0.0500 | 0.0100 | 10 | X438184 | DD  | 09/20/24 12:39 | D13,Q12 |
| SM 2310 B   | Acidity to pH 8.3     | 11700    | mg/L as CaCO3 | 10.0   |        |    | X439181 | MWD | 09/28/24 09:35 |         |
| SM 2320 B   | Total Alkalinity      | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X439035 | MWD | 09/24/24 11:43 |         |
| SM 2320 B   | Bicarbonate           | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X439035 | MWD | 09/24/24 11:43 |         |
| SM 2320 B   | Carbonate             | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X439035 | MWD | 09/24/24 11:43 |         |
| SM 2320 B   | Hydroxide             | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X439035 | MWD | 09/24/24 11:43 |         |
| SM 2540 C   | Total Diss. Solids    | 20800    | mg/L          | 100    |        |    | X438215 | TJL | 09/24/24 13:05 | E11     |
| SM 2540 D   | Total Susp. Solids    | 188      | mg/L          | 5.0    |        |    | X438216 | TJL | 09/24/24 13:35 |         |
| SM 4500 H B | pH @20.3°C            | 3.0      | pH Units      |        |        |    | X439035 | MWD | 09/24/24 11:43 | H5      |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 9



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410314</b><br>Reported: 08-Oct-24 16:22 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **OSABH-16**  
SVL Sample ID: **X410314-01 (Ground Water)**

Sampled: 18-Sep-24 10:02  
Received: 19-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result | Units | RL   | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|--------|-------|------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |        |       |      |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | < 5.00 | mg/L  | 5.00 | 0.55  | 25       | X438168 | RS      | 09/19/24 19:58 | D18   |
| EPA 300.0                           | Fluoride             | 233    | mg/L  | 50.0 | 8.50  | 500      | X438168 | RS      | 09/19/24 20:13 |       |
| EPA 300.0                           | Nitrate as N         | 2.59   | mg/L  | 1.25 | 0.325 | 25       | X438168 | RS      | 09/19/24 19:58 | D18   |
| EPA 300.0                           | Nitrate+Nitrite as N | 2.59   | mg/L  | 2.50 | 1.10  | 25       | X438168 | RS      | 09/19/24 19:58 | D18   |
| EPA 300.0                           | Nitrite as N         | < 1.25 | mg/L  | 1.25 | 0.775 | 25       | X438168 | RS      | 09/19/24 19:58 | D18   |
| EPA 300.0                           | Sulfate as SO4       | 15800  | mg/L  | 150  | 90.0  | 500      | X438168 | RS      | 09/19/24 20:13 |       |

**Cation/Anion Balance and TDS Ratios**

|                       |                      |                      |                       |                |
|-----------------------|----------------------|----------------------|-----------------------|----------------|
| Cation Sum: 303 meq/L | Anion Sum: 341 meq/L | C/A Balance: -5.92 % | Calculated TDS: 17131 | TDS/cTDS: 1.21 |
|-----------------------|----------------------|----------------------|-----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410314**

Reported: 08-Oct-24 16:22

**Quality Control - BLANK Data**

| Method                                                                | Analyte               | Units         | Result    | MDL      | MRL      | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|---------------|-----------|----------|----------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X439103  | 30-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X439103  | 30-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X439103  | 30-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L          | <0.080    | 0.054    | 0.080    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium                | mg/L          | <0.0020   | 0.0019   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L          | <0.00200  | 0.00080  | 0.00200  | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L          | <0.0400   | 0.0078   | 0.0400   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium               | mg/L          | <0.0020   | 0.0016   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L          | <0.0060   | 0.0020   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt                | mg/L          | <0.0060   | 0.0046   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper                | mg/L          | <0.0100   | 0.0027   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L          | <0.100    | 0.056    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead                  | mg/L          | <0.0075   | 0.0049   | 0.0075   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium               | mg/L          | <0.040    | 0.025    | 0.040    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L          | <0.0100   | 0.0048   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Silver                | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L          | <0.50     | 0.12     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Vanadium              | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L          | <0.0100   | 0.0054   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X440113  | 08-Oct-24 |       |
| <b>Metals (Filtered)</b>                                              |                       |               |           |          |          |          |           |       |
| EPA 245.1                                                             | Mercury               | mg/L          | <0.000200 | 0.000093 | 0.000200 | X439071  | 26-Sep-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |               |           |          |          |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L          | <0.0050   | 0.0048   | 0.0050   | X439153  | 30-Sep-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L          | <0.0050   | 0.0038   | 0.0050   | X439001  | 24-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | <0.030    | 0.013    | 0.030    | X438186  | 23-Sep-24 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L          | <0.0050   | 0.0010   | 0.0050   | X438184  | 20-Sep-24 |       |
| SM 2310 B                                                             | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0     |          | 10.0     | X439181  | 28-Sep-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | <1.0      |          | 1.0      | X439035  | 24-Sep-24 |       |
| SM 2320 B                                                             | Bicarbonate           | mg/L as CaCO3 | <1.0      |          | 1.0      | X439035  | 24-Sep-24 |       |
| SM 2320 B                                                             | Carbonate             | mg/L as CaCO3 | <1.0      |          | 1.0      | X439035  | 24-Sep-24 |       |
| SM 2320 B                                                             | Hydroxide             | mg/L as CaCO3 | <1.0      |          | 1.0      | X439035  | 24-Sep-24 |       |
| SM 2540 C                                                             | Total Diss. Solids    | mg/L          | <10       |          | 10       | X438215  | 24-Sep-24 |       |
| SM 2540 D                                                             | Total Susp. Solids    | mg/L          | <5.0      |          | 5.0      | X438216  | 24-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |               |           |          |          |          |           |       |
| EPA 300.0                                                             | Chloride              | mg/L          | <0.20     | 0.02     | 0.20     | X438168  | 19-Sep-24 |       |
| EPA 300.0                                                             | Fluoride              | mg/L          | <0.100    | 0.017    | 0.100    | X438168  | 19-Sep-24 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L          | <0.050    | 0.013    | 0.050    | X438168  | 19-Sep-24 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L          | <0.100    | 0.044    | 0.100    | X438168  | 19-Sep-24 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L          | <0.050    | 0.031    | 0.050    | X438168  | 19-Sep-24 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L          | <0.30     | 0.18     | 0.30     | X438168  | 19-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 9



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410314**

Reported: 08-Oct-24 16:22

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 19.2 | 20.0 | 96   | 85 - 115 | X439103 | 30-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.6 | 20.0 | 97.9 | 85 - 115 | X439103 | 30-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | 19.4 | 20.0 | 97.0 | 85 - 115 | X439103 | 30-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.04   | 1.00   | 104  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.978  | 1.00   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 19.6   | 20.0   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.997  | 1.00   | 99.7 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.961  | 1.00   | 96.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.95   | 10.0   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.972  | 1.00   | 97.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.2   | 20.0   | 95.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.992  | 1.00   | 99.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.995  | 1.00   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.6   | 20.0   | 98.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0524 | 0.0500 | 105  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 19.1   | 19.0   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0249 | 0.0250 | 99.4 | 85 - 115 | X440113 | 08-Oct-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0263 | 0.0250 | 105  | 85 - 115 | X440113 | 08-Oct-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0274 | 0.0250 | 110  | 85 - 115 | X440113 | 08-Oct-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0251 | 0.0250 | 101  | 85 - 115 | X440113 | 08-Oct-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0255 | 0.0250 | 102  | 85 - 115 | X440113 | 08-Oct-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |      |          |         |           |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00195 | 0.00200 | 97.5 | 85 - 115 | X439071 | 26-Sep-24 |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |       |       |      |            |         |           |  |
|------------|-----------------------|---------------|-------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.101 | 0.100 | 101  | 90 - 110   | X439153 | 30-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.101 | 0.100 | 101  | 90 - 110   | X439001 | 24-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 0.968 | 1.00  | 96.8 | 90 - 110   | X438186 | 23-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.104 | 0.100 | 104  | 90 - 110   | X438184 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897   | 884   | 102  | 95.4 - 104 | X439181 | 28-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 10.4  | 9.93  | 105  | 96.4 - 105 | X439035 | 24-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 101   | 99.3  | 101  | 96.4 - 105 | X439035 | 24-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 9.0   | 10.0  | 90.0 | 85 - 115   | X438216 | 24-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |      |          |         |           |  |
|-----------|----------------------|------|------|------|------|----------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 2.99 | 3.00 | 99.7 | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.05 | 2.00 | 103  | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 1.96 | 2.00 | 98.1 | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.46 | 4.50 | 99.1 | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.50 | 2.50 | 99.9 | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 10.2 | 10.0 | 102  | 90 - 110 | X438168 | 19-Sep-24 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410314**

Reported: 08-Oct-24 16:22

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|-----|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |     |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | 478              | 478           | 0.0 | 20        | X439181 - X410277-01 | 28-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 122              | 122           | 0.1 | 20        | X439035 - X410310-03 | 24-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 122              | 122           | 0.1 | 20        | X439035 - X410310-03 | 24-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X439035 - X410310-03 | 24-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X439035 - X410310-03 | 24-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 266              | 266           | 0.0 | 10        | X438215 - X410332-02 | 24-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 338              | 343           | 1.5 | 10        | X438215 - X410332-09 | 24-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | UDL | 10        | X438216 - X410332-09 | 24-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | UDL | 10        | X438216 - X410332-02 | 24-Sep-24 |       |
| SM 4500 H B                           | pH @19.9°C         | pH Units                  | 8.0              | 8.0           | 0.1 | 20        | X439035 - X410310-03 | 24-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                         | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|----------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| Metals (Total Recoverable--reportable as Total per 40 CFR 136) |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 36.7         | 17.2              | 20.0            | 98     | 70 - 130          | X439103 - X410274-01 | 30-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 24.5         | 4.69              | 20.0            | 99     | 70 - 130          | X439103 - X410330-01 | 30-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 21.7         | 1.82              | 20.0            | 99.3   | 70 - 130          | X439103 - X410274-01 | 30-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 20.4         | <0.500            | 20.0            | 100    | 70 - 130          | X439103 - X410330-01 | 30-Sep-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 21.9         | 2.42              | 20.0            | 97.4   | 70 - 130          | X439103 - X410274-01 | 30-Sep-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 20.3         | <0.50             | 20.0            | 99.5   | 70 - 130          | X439103 - X410330-01 | 30-Sep-24 |       |
| Metals (Dissolved)                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.01         | <0.080            | 1.00            | 101    | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.02         | <0.080            | 1.00            | 102    | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 1.18         | 0.196             | 1.00            | 98.5   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 1.09         | 0.101             | 1.00            | 98.9   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 1.01         | <0.0400           | 1.00            | 98.8   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 0.996        | <0.0400           | 1.00            | 98.7   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cadmium   | mg/L  | 0.987        | <0.0020           | 1.00            | 98.7   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cadmium   | mg/L  | 0.983        | <0.0020           | 1.00            | 98.3   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 48.3         | 29.4              | 20.0            | 94.9   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 29.9         | 10.4              | 20.0            | 97.5   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Chromium  | mg/L  | 0.984        | <0.0060           | 1.00            | 98.4   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Chromium  | mg/L  | 0.993        | <0.0060           | 1.00            | 99.3   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cobalt    | mg/L  | 0.966        | <0.0060           | 1.00            | 96.6   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cobalt    | mg/L  | 0.956        | <0.0060           | 1.00            | 95.6   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Copper    | mg/L  | 0.974        | <0.0100           | 1.00            | 97.4   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Copper    | mg/L  | 0.976        | <0.0100           | 1.00            | 97.6   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Iron      | mg/L  | 9.73         | <0.100            | 10.0            | 97.3   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Iron      | mg/L  | 10.0         | <0.100            | 10.0            | 100    | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lead      | mg/L  | 0.983        | <0.0075           | 1.00            | 98.3   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lead      | mg/L  | 0.975        | <0.0075           | 1.00            | 97.5   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lithium   | mg/L  | 0.981        | <0.040            | 1.00            | 98.1   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lithium   | mg/L  | 0.934        | <0.040            | 1.00            | 93.4   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 26.2         | 6.70              | 20.0            | 97.3   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 21.7         | 2.10              | 20.0            | 98.1   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 9

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410314**

Reported: 08-Oct-24 16:22

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte               | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec.  | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|-----------------------|-------|--------------|-------------------|-----------------|---------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 200.7                             | Manganese             | mg/L  | 0.987        | <0.0080           | 1.00            | 98.0    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Manganese             | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 1.01         | <0.0080           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.966        | <0.0100           | 1.00            | 96.6    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.957        | <0.0100           | 1.00            | 95.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.1         | 0.95              | 20.0            | 95.6    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.5         | 0.78              | 20.0            | 98.6    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0539       | <0.0050           | 0.0500          | 108     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0533       | <0.0050           | 0.0500          | 107     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 49.6         | 31.6              | 19.0            | 95.1    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 28.9         | 10.1              | 19.0            | 98.8    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.01         | <0.0100           | 1.00            | 101     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.00         | <0.0100           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0250       | <0.00100          | 0.0250          | 99.9    | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0256       | <0.00100          | 0.0250          | 103     | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0261       | <0.00100          | 0.0250          | 105     | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0263       | <0.00100          | 0.0250          | 104     | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0260       | <0.00100          | 0.0250          | 103     | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0269       | <0.00100          | 0.0250          | 105     | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0248       | <0.000200         | 0.0250          | 99.3    | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0251       | <0.000200         | 0.0250          | 100     | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0254       | <0.000100         | 0.0250          | 101     | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0252       | <0.000100         | 0.0250          | 101     | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| <b>Metals (Filtered)</b>              |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00208      | <0.000200         | 0.00200         | 104     | 70 - 130          | X439071 - X4I0313-01 | 26-Sep-24 |       |
| <b>Classical Chemistry Parameters</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| ASTM D7237                            | Cyanide (free) @ pH 6 | mg/L  | 0.0980       | <0.0050           | 0.100           | 98.0    | 79 - 121          | X439153 - X4I0262-01 | 30-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.104        | <0.0050           | 0.100           | 104     | 90 - 110          | X439001 - X4I0262-01 | 24-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.588        | 0.454             | 0.100           | 0.30R>S | 90 - 110          | X439001 - X4I0211-01 | 24-Sep-24 | M4    |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.16         | 0.063             | 1.00            | 110     | 90 - 110          | X438186 - X4I0277-01 | 23-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.14         | <0.030            | 1.00            | 112     | 90 - 110          | X438186 - X4I0278-01 | 23-Sep-24 | M1    |
| OIA 1677                              | Cyanide (WAD)         | mg/L  | 0.101        | <0.0050           | 0.100           | 99.0    | 82 - 118          | X438184 - X4I0262-01 | 20-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>   |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 300.0                             | Chloride              | mg/L  | 4.04         | 1.07              | 3.00            | 99.1    | 90 - 110          | X438168 - X4I0274-04 | 19-Sep-24 |       |
| EPA 300.0                             | Chloride              | mg/L  | 4.05         | 1.07              | 3.00            | 99.2    | 90 - 110          | X438168 - X4I0274-05 | 19-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.00         | <0.100            | 2.00            | 98.6    | 90 - 110          | X438168 - X4I0274-04 | 19-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.00         | <0.100            | 2.00            | 99.0    | 90 - 110          | X438168 - X4I0274-05 | 19-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 1.96         | <0.050            | 2.00            | 96.6    | 90 - 110          | X438168 - X4I0274-04 | 19-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 1.97         | <0.050            | 2.00            | 96.9    | 90 - 110          | X438168 - X4I0274-05 | 19-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 3.96         | <0.100            | 4.00            | 98.9    | 90 - 110          | X438168 - X4I0274-04 | 19-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 3.97         | <0.100            | 4.00            | 99.3    | 90 - 110          | X438168 - X4I0274-05 | 19-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 1.99         | <0.050            | 2.00            | 99.5    | 90 - 110          | X438168 - X4I0274-04 | 19-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.01         | <0.050            | 2.00            | 100     | 90 - 110          | X438168 - X4I0274-05 | 19-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 12.2         | 2.33              | 10.0            | 98.5    | 90 - 110          | X438168 - X4I0274-04 | 19-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 12.2         | 2.31              | 10.0            | 98.9    | 90 - 110          | X438168 - X4I0274-05 | 19-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 7 of 9

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410314**

Reported: 08-Oct-24 16:22

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method                                                                | Analyte               | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID  | Notes |
|-----------------------------------------------------------------------|-----------------------|-------|------------|--------------|-------------|-----|-----------|------------|----------------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Calcium               | mg/L  | 36.3       | 36.7         | 20.0        | 1.0 | 20        | 96         | X439103 - X410274-01 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | 21.6       | 21.7         | 20.0        | 0.2 | 20        | 99.1       | X439103 - X410274-01 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | 21.8       | 21.9         | 20.0        | 0.6 | 20        | 96.8       | X439103 - X410274-01 |       |
| <b>Metals (Dissolved)</b>                                             |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Aluminum              | mg/L  | 1.01       | 1.01         | 1.00        | 0.5 | 20        | 101        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Barium                | mg/L  | 1.17       | 1.18         | 1.00        | 0.6 | 20        | 97.8       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Beryllium             | mg/L  | 1.02       | 1.02         | 1.00        | 0.4 | 20        | 102        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Boron                 | mg/L  | 1.01       | 1.01         | 1.00        | 0.3 | 20        | 99.0       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Cadmium               | mg/L  | 0.975      | 0.987        | 1.00        | 1.2 | 20        | 97.5       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Calcium               | mg/L  | 48.7       | 48.3         | 20.0        | 0.7 | 20        | 96.6       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Chromium              | mg/L  | 0.986      | 0.984        | 1.00        | 0.2 | 20        | 98.6       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Cobalt                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Copper                | mg/L  | 0.974      | 0.974        | 1.00        | 0.0 | 20        | 97.4       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Iron                  | mg/L  | 9.97       | 9.73         | 10.0        | 2.4 | 20        | 99.7       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Lead                  | mg/L  | 0.974      | 0.983        | 1.00        | 0.9 | 20        | 97.4       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Lithium               | mg/L  | 0.977      | 0.981        | 1.00        | 0.3 | 20        | 97.7       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | 26.7       | 26.2         | 20.0        | 1.9 | 20        | 99.8       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Manganese             | mg/L  | 0.986      | 0.987        | 1.00        | 0.1 | 20        | 98.0       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L  | 0.999      | 1.01         | 1.00        | 0.6 | 20        | 99.5       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Nickel                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | 20.7       | 20.1         | 20.0        | 2.9 | 20        | 98.5       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Silver                | mg/L  | 0.0530     | 0.0539       | 0.0500      | 1.6 | 20        | 106        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Sodium                | mg/L  | 49.9       | 49.6         | 19.0        | 0.6 | 20        | 96.7       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Vanadium              | mg/L  | 1.00       | 1.00         | 1.00        | 0.4 | 20        | 100        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Zinc                  | mg/L  | 1.00       | 1.01         | 1.00        | 1.0 | 20        | 100        | X439009 - X410153-01 |       |
| EPA 200.8                                                             | Antimony              | mg/L  | 0.0250     | 0.0250       | 0.0250      | 0.1 | 20        | 100        | X440113 - X410330-02 |       |
| EPA 200.8                                                             | Arsenic               | mg/L  | 0.0257     | 0.0261       | 0.0250      | 1.9 | 20        | 103        | X440113 - X410330-02 |       |
| EPA 200.8                                                             | Selenium              | mg/L  | 0.0246     | 0.0260       | 0.0250      | 5.7 | 20        | 96.8       | X440113 - X410330-02 |       |
| EPA 200.8                                                             | Thallium              | mg/L  | 0.0253     | 0.0248       | 0.0250      | 1.8 | 20        | 101        | X440113 - X410330-02 |       |
| EPA 200.8                                                             | Uranium               | mg/L  | 0.0255     | 0.0254       | 0.0250      | 0.4 | 20        | 102        | X440113 - X410330-02 |       |
| <b>Metals (Filtered)</b>                                              |                       |       |            |              |             |     |           |            |                      |       |
| EPA 245.1                                                             | Mercury               | mg/L  | 0.00202    | 0.00208      | 0.00200     | 2.7 | 20        | 101        | X439071 - X410313-01 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |       |            |              |             |     |           |            |                      |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L  | 0.102      | 0.0980       | 0.100       | 4.0 | 11        | 102        | X439153 - X410262-01 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L  | 0.585      | 0.588        | 0.100       | 0.6 | 20        | 0.30R>S    | X439001 - X410211-01 | M4    |
| EPA 350.1                                                             | Ammonia as N          | mg/L  | 1.14       | 1.16         | 1.00        | 2.4 | 20        | 107        | X438186 - X410277-01 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L  | 0.108      | 0.101        | 0.100       | 6.7 | 11        | 106        | X438184 - X410262-01 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |       |            |              |             |     |           |            |                      |       |
| EPA 300.0                                                             | Chloride              | mg/L  | 4.09       | 4.04         | 3.00        | 1.2 | 20        | 101        | X438168 - X410274-04 |       |
| EPA 300.0                                                             | Fluoride              | mg/L  | 2.02       | 2.00         | 2.00        | 1.1 | 20        | 99.7       | X438168 - X410274-04 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L  | 1.99       | 1.96         | 2.00        | 1.5 | 20        | 98.0       | X438168 - X410274-04 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L  | 4.01       | 3.96         | 4.00        | 1.4 | 20        | 100        | X438168 - X410274-04 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L  | 2.02       | 1.99         | 2.00        | 1.4 | 20        | 101        | X438168 - X410274-04 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L  | 12.3       | 12.2         | 10.0        | 0.8 | 20        | 99.4       | X438168 - X410274-04 |       |



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410314**

Reported: 08-Oct-24 16:22

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**Notes and Definitions**

|         |                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D11     | Due to sample color, a sample dilution was performed to minimize spectral interference.                                                                              |
| D13     | Due to noticeable turbidity or opacity, a sample dilution was performed.                                                                                             |
| D18     | Due to a published chemical interference, a sample dilution was performed.                                                                                           |
| E11     | Sample exceeds method-specified limit for solids content.                                                                                                            |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.                |
| M1      | Matrix spike recovery was high, but the LCS recovery was acceptable.                                                                                                 |
| M4      | The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable. |
| Q12     | Sample was received and analyzed with pH <12.                                                                                                                        |
| Q5C     | After two pH adjustments, the method-specified pH was not achieved.                                                                                                  |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                                              |
| RPD     | Relative Percent Difference                                                                                                                                          |
| UDL     | A result is less than the detection limit                                                                                                                            |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                                  |
| <RL     | A result is less than the reporting limit                                                                                                                            |
| MRL     | Method Reporting Limit                                                                                                                                               |
| MDL     | Method Detection Limit                                                                                                                                               |
| N/A     | Not Applicable                                                                                                                                                       |

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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0310**

Reported: 08-Oct-24 16:14

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix        | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|---------------|-----------------|------------|---------------|-------|
| GV-6      | X4I0310-01    | Surface Water | 18-Sep-24 10:51 | TR         | 19-Sep-2024   |       |
| GV-4.5    | X4I0310-02    | Surface Water | 18-Sep-24 11:15 | TR         | 19-Sep-2024   |       |
| GV-5      | X4I0310-03    | Surface Water | 18-Sep-24 11:47 | TR         | 19-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

**Case Narrative: X4I0310**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410310**

Reported: 08-Oct-24 16:14

Client Sample ID: **GV-6**

Sampled: 18-Sep-24 10:51

Received: 19-Sep-24

Sampled By: TR

SVL Sample ID: **X410310-01 (Surface Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total)**

|           |                |            |      |          |          |  |         |     |                |   |
|-----------|----------------|------------|------|----------|----------|--|---------|-----|----------------|---|
| EPA 1631E | <b>Mercury</b> | 1.37       | ng/L | 0.500    | 0.120    |  | X438221 | MAC | 09/27/24 16:35 |   |
| EPA 245.1 | Mercury        | < 0.000093 | mg/L | 0.000200 | 0.000093 |  | X439068 | MAC | 09/26/24 17:01 | U |

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |            |      |          |          |  |         |     |                |  |
|-----------|----------------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Barium</b>              | 0.142      | mg/L | 0.0020   | 0.0019   |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | Beryllium                  | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | Boron                      | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | <b>Calcium</b>             | 44.1       | mg/L | 0.100    | 0.069    |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | Chromium                   | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | <b>Iron</b>                | 1.43       | mg/L | 0.100    | 0.056    |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | <b>Magnesium</b>           | 10.9       | mg/L | 0.500    | 0.090    |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | <b>Manganese</b>           | 0.925      | mg/L | 0.0080   | 0.0034   |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | Molybdenum                 | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | Nickel                     | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | <b>Phosphorus</b>          | 0.054      | mg/L | 0.050    | 0.013    |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | <b>Potassium</b>           | 1.30       | mg/L | 0.50     | 0.18     |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | <b>Sodium</b>              | 12.3       | mg/L | 0.50     | 0.12     |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.7 | Zinc                       | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439104 | NMS | 09/27/24 09:02 |  |
| EPA 200.8 | Antimony                   | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X439105 | JRR | 10/03/24 08:25 |  |
| EPA 200.8 | Arsenic                    | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X439105 | JRR | 10/03/24 08:25 |  |
| EPA 200.8 | Cadmium                    | < 0.000100 | mg/L | 0.000100 | 0.000063 |  | X439105 | JRR | 10/03/24 08:25 |  |
| EPA 200.8 | Chromium                   | < 0.00100  | mg/L | 0.00100  | 0.00017  |  | X439105 | JRR | 10/03/24 08:25 |  |
| EPA 200.8 | Copper                     | < 0.00040  | mg/L | 0.00040  | 0.00036  |  | X439105 | JRR | 10/03/24 08:25 |  |
| EPA 200.8 | <b>Lead</b>                | 0.00046    | mg/L | 0.00020  | 0.00014  |  | X439105 | JRR | 10/03/24 08:25 |  |
| EPA 200.8 | Selenium                   | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X439105 | JRR | 10/03/24 08:25 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 157        | mg/L | 2.31     | 0.543    |  | N/A     |     | 09/27/24 09:02 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | <b>Barium</b>    | 0.121      | mg/L | 0.0020   | 0.0019   |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | <b>Calcium</b>   | 45.3       | mg/L | 0.100    | 0.069    |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | <b>Iron</b>      | 0.257      | mg/L | 0.100    | 0.056    |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | <b>Magnesium</b> | 10.7       | mg/L | 0.500    | 0.090    |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | <b>Manganese</b> | 0.657      | mg/L | 0.0080   | 0.0034   |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | <b>Potassium</b> | 1.18       | mg/L | 0.50     | 0.18     |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | <b>Sodium</b>    | 12.6       | mg/L | 0.50     | 0.12     |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439058 | NMS | 09/25/24 09:06 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X440113 | JRR | 10/08/24 12:15 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X440113 | JRR | 10/08/24 12:15 |  |
| EPA 200.8 | <b>Cadmium</b>   | 0.000105   | mg/L | 0.000100 | 0.000063 |  | X440113 | JRR | 10/08/24 12:15 |  |
| EPA 200.8 | Chromium         | < 0.00100  | mg/L | 0.00100  | 0.00017  |  | X440113 | JRR | 10/08/24 12:15 |  |
| EPA 200.8 | <b>Copper</b>    | 0.00045    | mg/L | 0.00040  | 0.00036  |  | X440113 | JRR | 10/08/24 12:15 |  |
| EPA 200.8 | Lead             | < 0.00020  | mg/L | 0.00020  | 0.00014  |  | X440113 | JRR | 10/08/24 12:15 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X440113 | JRR | 10/08/24 12:15 |  |
| EPA 200.8 | Silver           | < 0.00008  | mg/L | 0.00008  | 0.000061 |  | X440113 | JRR | 10/08/24 12:15 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X440113 | JRR | 10/08/24 12:15 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.00188    | mg/L | 0.000100 | 0.000052 |  | X440113 | JRR | 10/08/24 12:15 |  |

**SVL holds the following certifications:**

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 15



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410310**

Reported: 08-Oct-24 16:14

Client Sample ID: **GV-6**SVL Sample ID: **X410310-01 (Surface Water)**

Sampled: 18-Sep-24 10:51

Received: 19-Sep-24

Sampled By: TR

**Sample Report Page 2 of 2**

| Method                                | Analyte                   | Result   | Units                     | RL     | MDL     | Dilution | Batch   | Analyst | Analyzed       | Notes |
|---------------------------------------|---------------------------|----------|---------------------------|--------|---------|----------|---------|---------|----------------|-------|
| <b>Classical Chemistry Parameters</b> |                           |          |                           |        |         |          |         |         |                |       |
| ASTM D7237                            | Cyanide (free) @ pH 6     | < 0.0050 | mg/L                      | 0.0050 | 0.0048  |          | X439153 | DD      | 10/01/24 12:32 |       |
| Calculation                           | Chromium(III)             | < 0.0110 | mg/L                      | 0.0110 | 0.00390 |          | N/A     |         | 09/27/24 09:02 |       |
| EPA 335.4                             | Cyanide (total)           | < 0.0050 | mg/L                      | 0.0050 | 0.0038  |          | X439001 | DD      | 09/24/24 10:57 |       |
| EPA 350.1                             | Ammonia as N              | < 0.030  | mg/L                      | 0.030  | 0.013   |          | X439085 | DD      | 09/25/24 13:48 |       |
| EPA 351.2                             | TKN                       | < 0.50   | mg/L                      | 0.50   | 0.31    |          | X439136 | DD      | 10/02/24 14:16 |       |
| OIA 1677                              | Cyanide (WAD)             | < 0.0050 | mg/L                      | 0.0050 | 0.0010  |          | X438184 | DD      | 09/20/24 12:33 |       |
| SM 2310 B                             | <b>Acidity to pH 8.3</b>  | -118     | mg/L as CaCO <sub>3</sub> | 10.0   |         |          | X439181 | MWD     | 09/28/24 09:35 |       |
| SM 2320 B                             | <b>Total Alkalinity</b>   | 107      | mg/L as CaCO <sub>3</sub> | 1.0    |         |          | X439035 | MWD     | 09/24/24 11:21 |       |
| SM 2320 B                             | <b>Bicarbonate</b>        | 107      | mg/L as CaCO <sub>3</sub> | 1.0    |         |          | X439035 | MWD     | 09/24/24 11:21 |       |
| SM 2320 B                             | Carbonate                 | < 1.0    | mg/L as CaCO <sub>3</sub> | 1.0    |         |          | X439035 | MWD     | 09/24/24 11:21 |       |
| SM 2320 B                             | Hydroxide                 | < 1.0    | mg/L as CaCO <sub>3</sub> | 1.0    |         |          | X439035 | MWD     | 09/24/24 11:21 |       |
| SM 2540 C                             | <b>Total Diss. Solids</b> | 254      | mg/L                      | 10     |         |          | X438217 | TJL     | 09/24/24 13:10 |       |
| SM 2540 D                             | <b>Total Susp. Solids</b> | 15.0     | mg/L                      | 5.0    |         |          | X438218 | TJL     | 09/24/24 12:20 |       |
| SM 4500 H B                           | <b>pH @19.9°C</b>         | 7.7      | pH Units                  |        |         |          | X439035 | MWD     | 09/24/24 11:21 | H5    |
| SM 4500 S D                           | Sulfide                   | < 0.050  | mg/L                      | 0.050  | 0.020   |          | X439100 | ORW     | 09/25/24 11:36 |       |
| SM 4500-O-G                           | <b>Dissolved Oxygen</b>   | 7.2      | mg/L                      | 0.1    |         |          | X440055 | TJL     | 10/01/24 14:15 | H5    |

**Dissolved Classical Chemistry Parameters**

|              |                     |          |      |        |        |  |         |     |                |  |
|--------------|---------------------|----------|------|--------|--------|--|---------|-----|----------------|--|
| SM 3500 Cr B | Hexavalent Chromium | < 0.0050 | mg/L | 0.0050 | 0.0019 |  | X439004 | ORW | 09/23/24 15:15 |  |
|--------------|---------------------|----------|------|--------|--------|--|---------|-----|----------------|--|

**Filtered Classical Chemistry Parameters**

|             |                         |           |      |         |         |  |     |  |                |  |
|-------------|-------------------------|-----------|------|---------|---------|--|-----|--|----------------|--|
| Calculation | Chromium(III)-Dissolved | < 0.00600 | mg/L | 0.00600 | 0.00207 |  | N/A |  | 10/08/24 12:15 |  |
|-------------|-------------------------|-----------|------|---------|---------|--|-----|--|----------------|--|

**Anions by Ion Chromatography**

|           |                                  |         |      |       |       |    |         |    |                |  |
|-----------|----------------------------------|---------|------|-------|-------|----|---------|----|----------------|--|
| EPA 300.0 | <b>Chloride</b>                  | 8.37    | mg/L | 0.20  | 0.02  |    | X438168 | RS | 09/19/24 17:19 |  |
| EPA 300.0 | <b>Fluoride</b>                  | 0.499   | mg/L | 0.100 | 0.017 |    | X438168 | RS | 09/19/24 17:19 |  |
| EPA 300.0 | <b>Nitrate as N</b>              | 0.212   | mg/L | 0.050 | 0.013 |    | X438168 | RS | 09/19/24 17:19 |  |
| EPA 300.0 | <b>Nitrate+Nitrite as N</b>      | 0.216   | mg/L | 0.100 | 0.044 |    | X438168 | RS | 09/19/24 17:19 |  |
| EPA 300.0 | Nitrite as N                     | < 0.050 | mg/L | 0.050 | 0.031 |    | X438168 | RS | 09/19/24 17:19 |  |
| EPA 300.0 | <b>Sulfate as SO<sub>4</sub></b> | 78.0    | mg/L | 3.00  | 1.80  | 10 | X438168 | RS | 09/19/24 17:35 |  |

**Cation/Anion Balance and TDS Ratios**

Cation Sum: 3.69 meq/L      Anion Sum: 4.04 meq/L      C/A Balance: -4.55 %      Calculated TDS: 221      TDS/cTDS: 1.15

This data has been reviewed for accuracy and has been authorized for release.



One Government Gulch - PO Box 929  
Kellogg, ID 83837-0929  
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**Newmont - Cripple Creek & Victor**  
Post Office Box 191  
Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**  
Work Order: **X410310**  
Reported: 08-Oct-24 16:14

Client Sample ID: **GV-4.5**  
SVL Sample ID: **X410310-02 (Surface Water)**

Sampled: 18-Sep-24 11:15  
Received: 19-Sep-24  
Sampled By: TR

Sample Report Page 1 of 2

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

Metals (Total)

|           |         |            |      |          |          |  |         |     |                |   |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|---|
| EPA 1631E | Mercury | < 0.500    | ng/L | 0.500    | 0.120    |  | X438221 | MAC | 09/27/24 16:40 |   |
| EPA 245.1 | Mercury | < 0.000093 | mg/L | 0.000200 | 0.000093 |  | X439068 | MAC | 09/26/24 17:03 | U |

Metals (Total Recoverable--reportable as Total per 40 CFR 136)

|           |                            |            |      |          |          |  |         |     |                |  |
|-----------|----------------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Barium</b>              | 0.105      | mg/L | 0.0020   | 0.0019   |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | Beryllium                  | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | Boron                      | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | <b>Calcium</b>             | 44.6       | mg/L | 0.100    | 0.069    |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | Chromium                   | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | <b>Iron</b>                | 4.58       | mg/L | 0.100    | 0.056    |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | <b>Magnesium</b>           | 10.1       | mg/L | 0.500    | 0.090    |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | <b>Manganese</b>           | 0.566      | mg/L | 0.0080   | 0.0034   |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | Molybdenum                 | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | Nickel                     | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | Phosphorus                 | < 0.050    | mg/L | 0.050    | 0.013    |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | <b>Potassium</b>           | 1.29       | mg/L | 0.50     | 0.18     |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | <b>Sodium</b>              | 13.6       | mg/L | 0.50     | 0.12     |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.7 | Zinc                       | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439104 | NMS | 09/27/24 09:06 |  |
| EPA 200.8 | Antimony                   | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X439105 | JRR | 10/03/24 08:33 |  |
| EPA 200.8 | Arsenic                    | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X439105 | JRR | 10/03/24 08:33 |  |
| EPA 200.8 | Cadmium                    | < 0.000100 | mg/L | 0.000100 | 0.000063 |  | X439105 | JRR | 10/03/24 08:33 |  |
| EPA 200.8 | Chromium                   | < 0.00100  | mg/L | 0.00100  | 0.00017  |  | X439105 | JRR | 10/03/24 08:33 |  |
| EPA 200.8 | <b>Copper</b>              | 0.00051    | mg/L | 0.00040  | 0.00036  |  | X439105 | JRR | 10/03/24 08:33 |  |
| EPA 200.8 | Lead                       | < 0.00020  | mg/L | 0.00020  | 0.00014  |  | X439105 | JRR | 10/03/24 08:33 |  |
| EPA 200.8 | Selenium                   | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X439105 | JRR | 10/03/24 08:33 |  |
| SM 2340 B | <b>Hardness (as CaC03)</b> | 156        | mg/L | 2.31     | 0.543    |  | N/A     |     | 09/25/24 09:09 |  |

Metals (Dissolved)

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | <b>Barium</b>    | 0.101      | mg/L | 0.0020   | 0.0019   |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | <b>Calcium</b>   | 46.0       | mg/L | 0.100    | 0.069    |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | <b>Iron</b>      | 2.97       | mg/L | 0.100    | 0.056    |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | <b>Magnesium</b> | 9.87       | mg/L | 0.500    | 0.090    |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | <b>Manganese</b> | 0.574      | mg/L | 0.0080   | 0.0034   |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | <b>Potassium</b> | 1.24       | mg/L | 0.50     | 0.18     |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | <b>Sodium</b>    | 14.1       | mg/L | 0.50     | 0.12     |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439058 | NMS | 09/25/24 09:09 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X440113 | JRR | 10/08/24 12:17 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X440113 | JRR | 10/08/24 12:17 |  |
| EPA 200.8 | Cadmium          | < 0.000100 | mg/L | 0.000100 | 0.000063 |  | X440113 | JRR | 10/08/24 12:17 |  |
| EPA 200.8 | Chromium         | < 0.00100  | mg/L | 0.00100  | 0.00017  |  | X440113 | JRR | 10/08/24 12:17 |  |
| EPA 200.8 | Copper           | < 0.00040  | mg/L | 0.00040  | 0.00036  |  | X440113 | JRR | 10/08/24 12:17 |  |
| EPA 200.8 | Lead             | < 0.00020  | mg/L | 0.00020  | 0.00014  |  | X440113 | JRR | 10/08/24 12:17 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X440113 | JRR | 10/08/24 12:17 |  |
| EPA 200.8 | Silver           | < 0.00008  | mg/L | 0.00008  | 0.000061 |  | X440113 | JRR | 10/08/24 12:17 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X440113 | JRR | 10/08/24 12:17 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.000580   | mg/L | 0.000100 | 0.000052 |  | X440113 | JRR | 10/08/24 12:17 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410310**

Reported: 08-Oct-24 16:14

Client Sample ID: **GV-4.5**

Sampled: 18-Sep-24 11:15

Received: 19-Sep-24

Sampled By: TR

SVL Sample ID: **X410310-02 (Surface Water)****Sample Report Page 2 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Classical Chemistry Parameters**

|             |                           |          |               |        |         |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|---------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048  |  | X439153 | DD  | 10/01/24 12:34 |    |
| Calculation | Chromium(III)             | < 0.0110 | mg/L          | 0.0110 | 0.00390 |  | N/A     |     | 09/27/24 09:06 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038  |  | X439001 | DD  | 09/24/24 11:00 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013   |  | X439085 | DD  | 09/25/24 13:51 |    |
| EPA 351.2   | TKN                       | < 0.50   | mg/L          | 0.50   | 0.31    |  | X439136 | DD  | 10/02/24 14:17 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010  |  | X438184 | DD  | 09/20/24 12:35 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -118     | mg/L as CaCO3 | 10.0   |         |  | X439181 | MWD | 09/28/24 09:35 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 117      | mg/L as CaCO3 | 1.0    |         |  | X439035 | MWD | 09/24/24 11:27 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 117      | mg/L as CaCO3 | 1.0    |         |  | X439035 | MWD | 09/24/24 11:27 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |         |  | X439035 | MWD | 09/24/24 11:27 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |         |  | X439035 | MWD | 09/24/24 11:27 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 252      | mg/L          | 10     |         |  | X438217 | TJL | 09/24/24 13:10 |    |
| SM 2540 D   | <b>Total Susp. Solids</b> | 9.0      | mg/L          | 5.0    |         |  | X438218 | TJL | 09/24/24 12:20 |    |
| SM 4500 H B | <b>pH @20.0°C</b>         | 6.8      | pH Units      |        |         |  | X439035 | MWD | 09/24/24 11:27 | H5 |
| SM 4500 S D | Sulfide                   | < 0.050  | mg/L          | 0.050  | 0.020   |  | X439100 | ORW | 09/25/24 11:39 |    |
| SM 4500-O-G | <b>Dissolved Oxygen</b>   | 6.9      | mg/L          | 0.1    |         |  | X440055 | TJL | 10/01/24 14:15 | H5 |

**Dissolved Classical Chemistry Parameters**

|              |                     |          |      |        |        |  |         |     |                |  |
|--------------|---------------------|----------|------|--------|--------|--|---------|-----|----------------|--|
| SM 3500 Cr B | Hexavalent Chromium | < 0.0050 | mg/L | 0.0050 | 0.0019 |  | X439004 | ORW | 09/23/24 15:15 |  |
|--------------|---------------------|----------|------|--------|--------|--|---------|-----|----------------|--|

**Filtered Classical Chemistry Parameters**

|             |                         |           |      |         |         |  |     |  |                |  |
|-------------|-------------------------|-----------|------|---------|---------|--|-----|--|----------------|--|
| Calculation | Chromium(III)-Dissolved | < 0.00600 | mg/L | 0.00600 | 0.00207 |  | N/A |  | 10/08/24 12:17 |  |
|-------------|-------------------------|-----------|------|---------|---------|--|-----|--|----------------|--|

**Anions by Ion Chromatography**

|           |                             |         |      |       |       |    |         |    |                |  |
|-----------|-----------------------------|---------|------|-------|-------|----|---------|----|----------------|--|
| EPA 300.0 | <b>Chloride</b>             | 33.4    | mg/L | 2.00  | 0.22  | 10 | X438168 | RS | 09/19/24 18:38 |  |
| EPA 300.0 | <b>Fluoride</b>             | 0.476   | mg/L | 0.100 | 0.017 |    | X438168 | RS | 09/19/24 18:22 |  |
| EPA 300.0 | <b>Nitrate as N</b>         | 0.137   | mg/L | 0.050 | 0.013 |    | X438168 | RS | 09/19/24 18:22 |  |
| EPA 300.0 | <b>Nitrate+Nitrite as N</b> | 0.137   | mg/L | 0.100 | 0.044 |    | X438168 | RS | 09/19/24 18:22 |  |
| EPA 300.0 | Nitrite as N                | < 0.050 | mg/L | 0.050 | 0.031 |    | X438168 | RS | 09/19/24 18:22 |  |
| EPA 300.0 | <b>Sulfate as SO4</b>       | 37.5    | mg/L | 0.30  | 0.18  |    | X438168 | RS | 09/19/24 18:22 |  |

**Cation/Anion Balance and TDS Ratios**

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 3.80 meq/L | Anion Sum: 4.10 meq/L | C/A Balance: -3.79 % | Calculated TDS: 213 | TDS/cTDS: 1.19 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410310**

Reported: 08-Oct-24 16:14

Client Sample ID: **GV-5**

Sampled: 18-Sep-24 11:47

Received: 19-Sep-24

Sampled By: TR

SVL Sample ID: **X410310-03 (Surface Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total)**

|           |                |            |      |          |          |  |         |     |                |   |
|-----------|----------------|------------|------|----------|----------|--|---------|-----|----------------|---|
| EPA 1631E | <b>Mercury</b> | 0.768      | ng/L | 0.500    | 0.120    |  | X438221 | MAC | 09/27/24 16:45 |   |
| EPA 245.1 | Mercury        | < 0.000093 | mg/L | 0.000200 | 0.000093 |  | X439068 | MAC | 09/26/24 17:05 | U |

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |            |      |          |          |  |         |     |                |  |
|-----------|----------------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Barium</b>              | 0.0313     | mg/L | 0.0020   | 0.0019   |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | Beryllium                  | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | Boron                      | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | <b>Calcium</b>             | 43.3       | mg/L | 0.100    | 0.069    |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | Chromium                   | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | <b>Iron</b>                | 0.767      | mg/L | 0.100    | 0.056    |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | <b>Magnesium</b>           | 10.9       | mg/L | 0.500    | 0.090    |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | <b>Manganese</b>           | 0.642      | mg/L | 0.0080   | 0.0034   |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | Molybdenum                 | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | Nickel                     | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | Phosphorus                 | < 0.050    | mg/L | 0.050    | 0.013    |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | <b>Potassium</b>           | 1.57       | mg/L | 0.50     | 0.18     |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | <b>Sodium</b>              | 13.4       | mg/L | 0.50     | 0.12     |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.7 | Zinc                       | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439104 | NMS | 09/27/24 09:09 |  |
| EPA 200.8 | Antimony                   | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X439105 | JRR | 10/03/24 08:35 |  |
| EPA 200.8 | Arsenic                    | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X439105 | JRR | 10/03/24 08:35 |  |
| EPA 200.8 | Cadmium                    | < 0.000100 | mg/L | 0.000100 | 0.000063 |  | X439105 | JRR | 10/03/24 08:35 |  |
| EPA 200.8 | Chromium                   | < 0.00100  | mg/L | 0.00100  | 0.00017  |  | X439105 | JRR | 10/03/24 08:35 |  |
| EPA 200.8 | Copper                     | < 0.00040  | mg/L | 0.00040  | 0.00036  |  | X439105 | JRR | 10/03/24 08:35 |  |
| EPA 200.8 | Lead                       | < 0.00020  | mg/L | 0.00020  | 0.00014  |  | X439105 | JRR | 10/03/24 08:35 |  |
| EPA 200.8 | Selenium                   | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X439105 | JRR | 10/03/24 08:35 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 153        | mg/L | 2.31     | 0.543    |  | N/A     |     | 09/25/24 09:13 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | <b>Barium</b>    | 0.0279     | mg/L | 0.0020   | 0.0019   |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | <b>Calcium</b>   | 45.7       | mg/L | 0.100    | 0.069    |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | <b>Magnesium</b> | 11.0       | mg/L | 0.500    | 0.090    |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | <b>Manganese</b> | 0.580      | mg/L | 0.0080   | 0.0034   |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | <b>Potassium</b> | 1.64       | mg/L | 0.50     | 0.18     |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | <b>Sodium</b>    | 14.2       | mg/L | 0.50     | 0.12     |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439058 | NMS | 09/25/24 09:13 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X440113 | JRR | 10/08/24 12:20 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X440113 | JRR | 10/08/24 12:20 |  |
| EPA 200.8 | Cadmium          | < 0.000100 | mg/L | 0.000100 | 0.000063 |  | X440113 | JRR | 10/08/24 12:20 |  |
| EPA 200.8 | Chromium         | < 0.00100  | mg/L | 0.00100  | 0.00017  |  | X440113 | JRR | 10/08/24 12:20 |  |
| EPA 200.8 | Copper           | < 0.00040  | mg/L | 0.00040  | 0.00036  |  | X440113 | JRR | 10/08/24 12:20 |  |
| EPA 200.8 | Lead             | < 0.00020  | mg/L | 0.00020  | 0.00014  |  | X440113 | JRR | 10/08/24 12:20 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X440113 | JRR | 10/08/24 12:20 |  |
| EPA 200.8 | Silver           | < 0.00008  | mg/L | 0.00008  | 0.000061 |  | X440113 | JRR | 10/08/24 12:20 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X440113 | JRR | 10/08/24 12:20 |  |
| EPA 200.8 | <b>Uranium</b>   | 0.000914   | mg/L | 0.000100 | 0.000052 |  | X440113 | JRR | 10/08/24 12:20 |  |

**SVL holds the following certifications:**

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 15



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

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Newmont - Cripple Creek & Victor

Post Office Box 191

Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024

Work Order: **X410310**

Reported: 08-Oct-24 16:14

Client Sample ID: **GV-5**

Sampled: 18-Sep-24 11:47

Received: 19-Sep-24

Sampled By: TR

SVL Sample ID: **X410310-03 (Surface Water)**

Sample Report Page 2 of 2

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

#### Classical Chemistry Parameters

|             |                           |          |               |        |         |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|---------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048  |  | X439153 | DD  | 10/01/24 12:36 |    |
| Calculation | Chromium(III)             | < 0.0110 | mg/L          | 0.0110 | 0.00390 |  | N/A     |     | 09/27/24 09:09 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038  |  | X439001 | DD  | 09/24/24 11:03 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013   |  | X439085 | DD  | 09/25/24 13:53 |    |
| EPA 351.2   | TKN                       | < 0.50   | mg/L          | 0.50   | 0.31    |  | X439136 | DD  | 10/02/24 14:19 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010  |  | X438184 | DD  | 09/20/24 12:36 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -118     | mg/L as CaCO3 | 10.0   |         |  | X439181 | MWD | 09/28/24 09:35 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 122      | mg/L as CaCO3 | 1.0    |         |  | X439035 | MWD | 09/24/24 11:32 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 122      | mg/L as CaCO3 | 1.0    |         |  | X439035 | MWD | 09/24/24 11:32 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |         |  | X439035 | MWD | 09/24/24 11:32 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |         |  | X439035 | MWD | 09/24/24 11:32 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 265      | mg/L          | 10     |         |  | X438217 | TJL | 09/24/24 13:10 |    |
| SM 2540 D   | <b>Total Susp. Solids</b> | 5.0      | mg/L          | 5.0    |         |  | X438218 | TJL | 09/24/24 12:20 |    |
| SM 4500 H B | <b>pH @20.1°C</b>         | 8.0      | pH Units      |        |         |  | X439035 | MWD | 09/24/24 11:32 | H5 |
| SM 4500 S D | Sulfide                   | < 0.050  | mg/L          | 0.050  | 0.020   |  | X439100 | ORW | 09/25/24 11:41 |    |
| SM 4500-O-G | <b>Dissolved Oxygen</b>   | 6.9      | mg/L          | 0.1    |         |  | X440055 | TJL | 10/01/24 14:15 | H5 |

#### Dissolved Classical Chemistry Parameters

|              |                     |          |      |        |        |  |         |     |                |  |
|--------------|---------------------|----------|------|--------|--------|--|---------|-----|----------------|--|
| SM 3500 Cr B | Hexavalent Chromium | < 0.0050 | mg/L | 0.0050 | 0.0019 |  | X439004 | ORW | 09/23/24 15:15 |  |
|--------------|---------------------|----------|------|--------|--------|--|---------|-----|----------------|--|

#### Filtered Classical Chemistry Parameters

|             |                         |           |      |         |         |  |     |  |                |  |
|-------------|-------------------------|-----------|------|---------|---------|--|-----|--|----------------|--|
| Calculation | Chromium(III)-Dissolved | < 0.00600 | mg/L | 0.00600 | 0.00207 |  | N/A |  | 10/08/24 12:20 |  |
|-------------|-------------------------|-----------|------|---------|---------|--|-----|--|----------------|--|

#### Anions by Ion Chromatography

|           |                       |         |      |       |       |    |         |    |                |  |
|-----------|-----------------------|---------|------|-------|-------|----|---------|----|----------------|--|
| EPA 300.0 | <b>Chloride</b>       | 12.8    | mg/L | 2.00  | 0.22  | 10 | X438168 | RS | 09/19/24 19:10 |  |
| EPA 300.0 | <b>Fluoride</b>       | 0.663   | mg/L | 0.100 | 0.017 |    | X438168 | RS | 09/19/24 18:54 |  |
| EPA 300.0 | <b>Nitrate as N</b>   | 0.058   | mg/L | 0.050 | 0.013 |    | X438168 | RS | 09/19/24 18:54 |  |
| EPA 300.0 | Nitrate+Nitrite as N  | < 0.100 | mg/L | 0.100 | 0.044 |    | X438168 | RS | 09/19/24 18:54 |  |
| EPA 300.0 | Nitrite as N          | < 0.050 | mg/L | 0.050 | 0.031 |    | X438168 | RS | 09/19/24 18:54 |  |
| EPA 300.0 | <b>Sulfate as SO4</b> | 61.5    | mg/L | 3.00  | 1.80  | 10 | X438168 | RS | 09/19/24 19:10 |  |

#### Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                     |                |
|------------------------|-----------------------|----------------------|---------------------|----------------|
| Cation Sum: 3.71 meq/L | Anion Sum: 4.12 meq/L | C/A Balance: -5.18 % | Calculated TDS: 219 | TDS/cTDS: 1.21 |
|------------------------|-----------------------|----------------------|---------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410310**

Reported: 08-Oct-24 16:14

**Quality Control - BLANK Data**

| Method                                                                | Analyte               | Units | Result    | MDL      | MRL      | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|-------|-----------|----------|----------|----------|-----------|-------|
| <b>Metals (Total)</b>                                                 |                       |       |           |          |          |          |           |       |
| EPA 1631E                                                             | Mercury               | ng/L  | <0.500    | 0.120    | 0.500    | X438221  | 27-Sep-24 |       |
| EPA 1631E                                                             | Mercury               | ng/L  | <0.500    | 0.120    | 0.500    | X438221  | 27-Sep-24 |       |
| EPA 1631E                                                             | Mercury               | ng/L  | <0.500    | 0.120    | 0.500    | X438221  | 27-Sep-24 |       |
| EPA 245.1                                                             | Mercury               | mg/L  | <0.000093 | 0.000093 | 0.000200 | X439068  | 26-Sep-24 | U     |
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |       |           |          |          |          |           |       |
| EPA 200.7                                                             | Barium                | mg/L  | <0.0020   | 0.0019   | 0.0020   | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L  | <0.00200  | 0.00080  | 0.00200  | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L  | <0.0400   | 0.0078   | 0.0400   | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L  | <0.100    | 0.069    | 0.100    | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L  | <0.0060   | 0.0020   | 0.0060   | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L  | <0.100    | 0.056    | 0.100    | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | <0.500    | 0.090    | 0.500    | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L  | <0.0080   | 0.0034   | 0.0080   | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L  | <0.0080   | 0.0034   | 0.0080   | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L  | <0.0100   | 0.0048   | 0.0100   | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Phosphorus            | mg/L  | <0.050    | 0.013    | 0.050    | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | <0.50     | 0.18     | 0.50     | X439104  | 27-Sep-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L  | <0.12     | 0.12     | 0.50     | X439104  | 27-Sep-24 | U     |
| EPA 200.7                                                             | Zinc                  | mg/L  | <0.0100   | 0.0054   | 0.0100   | X439104  | 27-Sep-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L  | <0.00100  | 0.00072  | 0.00100  | X439105  | 03-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L  | <0.00100  | 0.00021  | 0.00100  | X439105  | 03-Oct-24 |       |
| EPA 200.8                                                             | Cadmium               | mg/L  | <0.000100 | 0.000063 | 0.000100 | X439105  | 03-Oct-24 |       |
| EPA 200.8                                                             | Chromium              | mg/L  | <0.00100  | 0.00017  | 0.00100  | X439105  | 03-Oct-24 |       |
| EPA 200.8                                                             | Copper                | mg/L  | <0.00040  | 0.00036  | 0.00040  | X439105  | 03-Oct-24 |       |
| EPA 200.8                                                             | Lead                  | mg/L  | <0.00020  | 0.00014  | 0.00020  | X439105  | 03-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L  | <0.00100  | 0.00024  | 0.00100  | X439105  | 03-Oct-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |       |           |          |          |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L  | <0.080    | 0.054    | 0.080    | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Barium                | mg/L  | <0.0020   | 0.0019   | 0.0020   | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L  | <0.00200  | 0.00080  | 0.00200  | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L  | <0.100    | 0.069    | 0.100    | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L  | <0.100    | 0.056    | 0.100    | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | <0.500    | 0.090    | 0.500    | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L  | <0.0080   | 0.0034   | 0.0080   | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L  | <0.0080   | 0.0034   | 0.0080   | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L  | <0.0100   | 0.0048   | 0.0100   | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | <0.50     | 0.18     | 0.50     | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L  | <0.50     | 0.12     | 0.50     | X439058  | 25-Sep-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L  | <0.0100   | 0.0054   | 0.0100   | X439058  | 25-Sep-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L  | <0.00100  | 0.00072  | 0.00100  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L  | <0.00100  | 0.00021  | 0.00100  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Cadmium               | mg/L  | <0.000100 | 0.000063 | 0.000100 | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Chromium              | mg/L  | <0.00100  | 0.00017  | 0.00100  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Copper                | mg/L  | <0.00040  | 0.00036  | 0.00040  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Lead                  | mg/L  | <0.00020  | 0.00014  | 0.00020  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L  | <0.00100  | 0.00024  | 0.00100  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Silver                | mg/L  | <0.00008  | 0.000061 | 0.00008  | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L  | <0.000200 | 0.00008  | 0.000200 | X440113  | 08-Oct-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L  | <0.000100 | 0.000052 | 0.000100 | X440113  | 08-Oct-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |       |           |          |          |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L  | <0.0050   | 0.0048   | 0.0050   | X439153  | 30-Sep-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L  | <0.0050   | 0.0038   | 0.0050   | X439001  | 24-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L  | <0.030    | 0.013    | 0.030    | X439085  | 25-Sep-24 |       |
| EPA 351.2                                                             | TKN                   | mg/L  | <0.50     | 0.31     | 0.50     | X439136  | 02-Oct-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 15

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410310**

Reported: 08-Oct-24 16:14

**Quality Control - BLANK Data (Continued)**

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|--------|---------|-------|--------|-----|-----|----------|----------|-------|
|--------|---------|-------|--------|-----|-----|----------|----------|-------|

**Classical Chemistry Parameters (Continued)**

|             |                    |               |         |        |        |         |           |  |
|-------------|--------------------|---------------|---------|--------|--------|---------|-----------|--|
| OIA 1677    | Cyanide (WAD)      | mg/L          | <0.0050 | 0.0010 | 0.0050 | X438184 | 20-Sep-24 |  |
| SM 2310 B   | Acidity to pH 8.3  | mg/L as CaCO3 | <10.0   |        | 10.0   | X439181 | 28-Sep-24 |  |
| SM 2320 B   | Total Alkalinity   | mg/L as CaCO3 | <1.0    |        | 1.0    | X439035 | 24-Sep-24 |  |
| SM 2320 B   | Bicarbonate        | mg/L as CaCO3 | <1.0    |        | 1.0    | X439035 | 24-Sep-24 |  |
| SM 2320 B   | Carbonate          | mg/L as CaCO3 | <1.0    |        | 1.0    | X439035 | 24-Sep-24 |  |
| SM 2320 B   | Hydroxide          | mg/L as CaCO3 | <1.0    |        | 1.0    | X439035 | 24-Sep-24 |  |
| SM 2540 C   | Total Diss. Solids | mg/L          | <10     |        | 10     | X438217 | 24-Sep-24 |  |
| SM 2540 D   | Total Susp. Solids | mg/L          | <5.0    |        | 5.0    | X438218 | 24-Sep-24 |  |
| SM 4500 S D | Sulfide            | mg/L          | <0.050  | 0.020  | 0.050  | X439100 | 25-Sep-24 |  |

**Dissolved Classical Chemistry Parameters**

|              |                     |      |         |        |        |         |           |  |
|--------------|---------------------|------|---------|--------|--------|---------|-----------|--|
| SM 3500 Cr B | Hexavalent Chromium | mg/L | <0.0050 | 0.0019 | 0.0050 | X439004 | 23-Sep-24 |  |
|--------------|---------------------|------|---------|--------|--------|---------|-----------|--|

**Anions by Ion Chromatography**

|           |                      |      |        |       |       |         |           |  |
|-----------|----------------------|------|--------|-------|-------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | <0.20  | 0.02  | 0.20  | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | <0.100 | 0.017 | 0.100 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | <0.050 | 0.013 | 0.050 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | <0.100 | 0.044 | 0.100 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | <0.050 | 0.031 | 0.050 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | <0.30  | 0.18  | 0.30  | X438168 | 19-Sep-24 |  |

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total)**

|           |         |      |         |         |      |          |         |           |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|
| EPA 1631E | Mercury | ng/L | 4.77    | 5.00    | 95.4 | 77 - 123 | X438221 | 27-Sep-24 |  |
| EPA 245.1 | Mercury | mg/L | 0.00192 | 0.00200 | 95.8 | 85 - 115 | X439068 | 26-Sep-24 |  |

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Barium     | mg/L | 0.972  | 1.00   | 97.2 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 0.969  | 1.00   | 96.9 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.942  | 1.00   | 94.2 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 18.2   | 20.0   | 91   | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.950  | 1.00   | 95.0 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.81   | 10.0   | 98.1 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 18.8   | 20.0   | 94.2 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.934  | 1.00   | 93.4 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.966  | 1.00   | 96.6 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.925  | 1.00   | 92.5 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Phosphorus | mg/L | 0.978  | 1.00   | 97.8 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 18.7   | 20.0   | 93.3 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 17.4   | 19.0   | 91.6 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.949  | 1.00   | 94.9 | 85 - 115 | X439104 | 27-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0262 | 0.0250 | 105  | 85 - 115 | X439105 | 03-Oct-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0255 | 0.0250 | 102  | 85 - 115 | X439105 | 03-Oct-24 |  |
| EPA 200.8 | Cadmium    | mg/L | 0.0248 | 0.0250 | 99.4 | 85 - 115 | X439105 | 03-Oct-24 |  |
| EPA 200.8 | Chromium   | mg/L | 0.0262 | 0.0250 | 105  | 85 - 115 | X439105 | 03-Oct-24 |  |
| EPA 200.8 | Copper     | mg/L | 0.0263 | 0.0250 | 105  | 85 - 115 | X439105 | 03-Oct-24 |  |
| EPA 200.8 | Lead       | mg/L | 0.0264 | 0.0250 | 106  | 85 - 115 | X439105 | 03-Oct-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0253 | 0.0250 | 101  | 85 - 115 | X439105 | 03-Oct-24 |  |

**Metals (Dissolved)**

|           |          |      |       |      |      |          |         |           |  |
|-----------|----------|------|-------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum | mg/L | 0.929 | 1.00 | 92.9 | 85 - 115 | X439058 | 25-Sep-24 |  |
| EPA 200.7 | Barium   | mg/L | 0.962 | 1.00 | 96.2 | 85 - 115 | X439058 | 25-Sep-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410310**

Reported: 08-Oct-24 16:14

**Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)**

| Method                                | Analyte    | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed  | Notes |
|---------------------------------------|------------|-------|------------|----------|--------|-------------------|----------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |            |       |            |          |        |                   |          |           |       |
| EPA 200.7                             | Beryllium  | mg/L  | 0.957      | 1.00     | 95.7   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.7                             | Calcium    | mg/L  | 18.6       | 20.0     | 93.1   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.7                             | Iron       | mg/L  | 9.50       | 10.0     | 95.0   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.7                             | Magnesium  | mg/L  | 18.1       | 20.0     | 90.3   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.7                             | Manganese  | mg/L  | 0.949      | 1.00     | 94.9   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.7                             | Molybdenum | mg/L  | 0.957      | 1.00     | 95.7   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.7                             | Nickel     | mg/L  | 0.931      | 1.00     | 93.1   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.7                             | Potassium  | mg/L  | 18.9       | 20.0     | 94.4   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.7                             | Sodium     | mg/L  | 17.9       | 19.0     | 94.4   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.7                             | Zinc       | mg/L  | 0.945      | 1.00     | 94.5   | 85 - 115          | X439058  | 25-Sep-24 |       |
| EPA 200.8                             | Antimony   | mg/L  | 0.0249     | 0.0250   | 99.4   | 85 - 115          | X440113  | 08-Oct-24 |       |
| EPA 200.8                             | Arsenic    | mg/L  | 0.0263     | 0.0250   | 105    | 85 - 115          | X440113  | 08-Oct-24 |       |
| EPA 200.8                             | Cadmium    | mg/L  | 0.0254     | 0.0250   | 102    | 85 - 115          | X440113  | 08-Oct-24 |       |
| EPA 200.8                             | Chromium   | mg/L  | 0.0265     | 0.0250   | 106    | 85 - 115          | X440113  | 08-Oct-24 |       |
| EPA 200.8                             | Copper     | mg/L  | 0.0264     | 0.0250   | 105    | 85 - 115          | X440113  | 08-Oct-24 |       |
| EPA 200.8                             | Lead       | mg/L  | 0.0252     | 0.0250   | 101    | 85 - 115          | X440113  | 08-Oct-24 |       |
| EPA 200.8                             | Selenium   | mg/L  | 0.0274     | 0.0250   | 110    | 85 - 115          | X440113  | 08-Oct-24 |       |
| EPA 200.8                             | Silver     | mg/L  | 0.0250     | 0.0250   | 99.8   | 85 - 115          | X440113  | 08-Oct-24 |       |
| EPA 200.8                             | Thallium   | mg/L  | 0.0251     | 0.0250   | 101    | 85 - 115          | X440113  | 08-Oct-24 |       |
| EPA 200.8                             | Uranium    | mg/L  | 0.0255     | 0.0250   | 102    | 85 - 115          | X440113  | 08-Oct-24 |       |

**Classical Chemistry Parameters**

|             |                       |               |       |       |      |            |         |           |  |
|-------------|-----------------------|---------------|-------|-------|------|------------|---------|-----------|--|
| ASTM D7237  | Cyanide (free) @ pH 6 | mg/L          | 0.101 | 0.100 | 101  | 90 - 110   | X439153 | 30-Sep-24 |  |
| EPA 335.4   | Cyanide (total)       | mg/L          | 0.101 | 0.100 | 101  | 90 - 110   | X439001 | 24-Sep-24 |  |
| EPA 350.1   | Ammonia as N          | mg/L          | 0.988 | 1.00  | 98.8 | 90 - 110   | X439085 | 25-Sep-24 |  |
| EPA 351.2   | TKN                   | mg/L          | 7.54  | 8.00  | 94.3 | 90 - 110   | X439136 | 02-Oct-24 |  |
| OIA 1677    | Cyanide (WAD)         | mg/L          | 0.104 | 0.100 | 104  | 90 - 110   | X438184 | 20-Sep-24 |  |
| SM 2310 B   | Acidity to pH 8.3     | mg/L as CaCO3 | 897   | 884   | 102  | 95.4 - 104 | X439181 | 28-Sep-24 |  |
| SM 2320 B   | Total Alkalinity      | mg/L as CaCO3 | 10.4  | 9.93  | 105  | 96.4 - 105 | X439035 | 24-Sep-24 |  |
| SM 2320 B   | Total Alkalinity      | mg/L as CaCO3 | 101   | 99.3  | 101  | 96.4 - 105 | X439035 | 24-Sep-24 |  |
| SM 2540 D   | Total Susp. Solids    | mg/L          | 9.0   | 10.0  | 90.0 | 85 - 115   | X438218 | 24-Sep-24 |  |
| SM 4500 S D | Sulfide               | mg/L          | 0.484 | 0.500 | 96.8 | 85 - 115   | X439100 | 25-Sep-24 |  |

**Dissolved Classical Chemistry Parameters**

|              |                     |      |        |       |      |          |         |           |  |
|--------------|---------------------|------|--------|-------|------|----------|---------|-----------|--|
| SM 3500 Cr B | Hexavalent Chromium | mg/L | 0.0997 | 0.100 | 99.7 | 80 - 120 | X439004 | 23-Sep-24 |  |
|--------------|---------------------|------|--------|-------|------|----------|---------|-----------|--|

**Anions by Ion Chromatography**

|           |                      |      |      |      |      |          |         |           |  |
|-----------|----------------------|------|------|------|------|----------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 2.99 | 3.00 | 99.7 | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.05 | 2.00 | 103  | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 1.96 | 2.00 | 98.1 | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.46 | 4.50 | 99.1 | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.50 | 2.50 | 99.9 | 90 - 110 | X438168 | 19-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 10.2 | 10.0 | 102  | 90 - 110 | X438168 | 19-Sep-24 |  |

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units         | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------|------------------|---------------|-----|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |               |                  |               |     |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO3 | 478              | 478           | 0.0 | 20        | X439181 - X410277-01 | 28-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO3 | 122              | 122           | 0.1 | 20        | X439035 - X410310-03 | 24-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO3 | 122              | 122           | 0.1 | 20        | X439035 - X410310-03 | 24-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO3 | <1.0             | <1.0          | UDL | 20        | X439035 - X410310-03 | 24-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO3 | <1.0             | <1.0          | UDL | 20        | X439035 - X410310-03 | 24-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L          | 249              | 252           | 1.2 | 10        | X438217 - X410310-02 | 24-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L          | 424              | 431           | 1.6 | 10        | X438217 - X410312-01 | 24-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L          | 9.0              | 9.0           | 0.0 | 10        | X438218 - X410310-02 | 24-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 10 of 15

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410310**

Reported: 08-Oct-24 16:14

**Quality Control - DUPLICATE Data (Continued)**

| Method | Analyte | Units | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|

**Classical Chemistry Parameters (Continued)**

|             |                  |          |     |     |     |    |                      |           |  |
|-------------|------------------|----------|-----|-----|-----|----|----------------------|-----------|--|
| SM 4500 H B | pH @19.9°C       | pH Units | 8.0 | 8.0 | 0.1 | 20 | X439035 - X4I0310-03 | 24-Sep-24 |  |
| SM 4500-O-G | Dissolved Oxygen | mg/L     | 6.9 | 7.2 | 4.3 | 20 | X440055 - X4I0310-01 | 01-Oct-24 |  |

**Quality Control - MATRIX SPIKE Data**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Metals (Total)**

|           |         |      |         |           |         |      |          |                      |           |  |
|-----------|---------|------|---------|-----------|---------|------|----------|----------------------|-----------|--|
| EPA 1631E | Mercury | ng/L | 4.88    | 2.43      | 2.50    | 97.7 | 71 - 125 | X438221 - X4I0274-01 | 27-Sep-24 |  |
| EPA 1631E | Mercury | ng/L | 2.79    | <0.500    | 2.50    | 101  | 71 - 125 | X438221 - X4I0330-01 | 27-Sep-24 |  |
| EPA 245.1 | Mercury | mg/L | 0.00196 | <0.000093 | 0.00200 | 97.8 | 70 - 130 | X439068 - X4I0302-02 | 26-Sep-24 |  |
| EPA 245.1 | Mercury | mg/L | 0.00193 | <0.000093 | 0.00200 | 96.4 | 70 - 130 | X439068 - X4I0311-03 | 26-Sep-24 |  |

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |            |      |        |           |        |         |          |                      |           |        |
|-----------|------------|------|--------|-----------|--------|---------|----------|----------------------|-----------|--------|
| EPA 200.7 | Barium     | mg/L | 1.12   | 0.145     | 1.00   | 97.4    | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Beryllium  | mg/L | 0.995  | <0.0200   | 1.00   | 99.5    | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Boron      | mg/L | 1.86   | 0.863     | 1.00   | 100     | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Calcium    | mg/L | 628    | 594       | 20.0   | 0.30R>S | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18,M4 |
| EPA 200.7 | Chromium   | mg/L | 0.959  | <0.0600   | 1.00   | 95.9    | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Iron       | mg/L | 9.98   | <1.00     | 10.0   | 99.8    | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Magnesium  | mg/L | 47.4   | 25.9      | 20.0   | 107     | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Manganese  | mg/L | 0.950  | <0.0800   | 1.00   | 95.0    | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Molybdenum | mg/L | 1.38   | 0.376     | 1.00   | 101     | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Nickel     | mg/L | 0.942  | <0.100    | 1.00   | 94.2    | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Phosphorus | mg/L | 1.32   | <0.500    | 1.00   | 101     | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Potassium  | mg/L | 58.9   | 38.8      | 20.0   | 101     | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.7 | Sodium     | mg/L | 2230   | 2150      | 19.0   | 0.30R>S | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18,M4 |
| EPA 200.7 | Zinc       | mg/L | 1.00   | <0.100    | 1.00   | 100     | 70 - 130 | X439104 - X4I0324-07 | 27-Sep-24 | D18    |
| EPA 200.8 | Antimony   | mg/L | 0.0266 | <0.00100  | 0.0250 | 106     | 70 - 130 | X439105 - X4I0274-02 | 03-Oct-24 |        |
| EPA 200.8 | Arsenic    | mg/L | 0.0265 | <0.00100  | 0.0250 | 105     | 70 - 130 | X439105 - X4I0274-02 | 03-Oct-24 |        |
| EPA 200.8 | Cadmium    | mg/L | 0.0254 | <0.000100 | 0.0250 | 102     | 70 - 130 | X439105 - X4I0274-02 | 03-Oct-24 |        |
| EPA 200.8 | Chromium   | mg/L | 0.0263 | <0.00100  | 0.0250 | 103     | 70 - 130 | X439105 - X4I0274-02 | 03-Oct-24 |        |
| EPA 200.8 | Copper     | mg/L | 0.0273 | 0.00140   | 0.0250 | 103     | 70 - 130 | X439105 - X4I0274-02 | 03-Oct-24 |        |
| EPA 200.8 | Lead       | mg/L | 0.0260 | <0.00020  | 0.0250 | 103     | 70 - 130 | X439105 - X4I0274-02 | 03-Oct-24 |        |
| EPA 200.8 | Selenium   | mg/L | 0.0253 | <0.00100  | 0.0250 | 100     | 70 - 130 | X439105 - X4I0274-02 | 03-Oct-24 |        |

**Metals (Dissolved)**

|           |           |      |       |          |      |      |          |                      |           |  |
|-----------|-----------|------|-------|----------|------|------|----------|----------------------|-----------|--|
| EPA 200.7 | Aluminum  | mg/L | 0.986 | <0.080   | 1.00 | 98.6 | 70 - 130 | X439058 - X4I0310-01 | 25-Sep-24 |  |
| EPA 200.7 | Aluminum  | mg/L | 0.973 | <0.080   | 1.00 | 97.3 | 70 - 130 | X439058 - X4I0337-16 | 25-Sep-24 |  |
| EPA 200.7 | Barium    | mg/L | 1.09  | 0.121    | 1.00 | 96.6 | 70 - 130 | X439058 - X4I0310-01 | 25-Sep-24 |  |
| EPA 200.7 | Barium    | mg/L | 1.02  | 0.0406   | 1.00 | 97.5 | 70 - 130 | X439058 - X4I0337-16 | 25-Sep-24 |  |
| EPA 200.7 | Beryllium | mg/L | 0.960 | <0.00200 | 1.00 | 96.0 | 70 - 130 | X439058 - X4I0310-01 | 25-Sep-24 |  |
| EPA 200.7 | Beryllium | mg/L | 0.966 | <0.00200 | 1.00 | 96.6 | 70 - 130 | X439058 - X4I0337-16 | 25-Sep-24 |  |
| EPA 200.7 | Calcium   | mg/L | 63.9  | 45.3     | 20.0 | 93.1 | 70 - 130 | X439058 - X4I0310-01 | 25-Sep-24 |  |
| EPA 200.7 | Calcium   | mg/L | 45.7  | 26.1     | 20.0 | 97.9 | 70 - 130 | X439058 - X4I0337-16 | 25-Sep-24 |  |
| EPA 200.7 | Iron      | mg/L | 9.91  | 0.257    | 10.0 | 96.5 | 70 - 130 | X439058 - X4I0310-01 | 25-Sep-24 |  |
| EPA 200.7 | Iron      | mg/L | 9.60  | <0.100   | 10.0 | 96.0 | 70 - 130 | X439058 - X4I0337-16 | 25-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 29.7  | 10.7     | 20.0 | 95.1 | 70 - 130 | X439058 - X4I0310-01 | 25-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 22.8  | 3.57     | 20.0 | 96.2 | 70 - 130 | X439058 - X4I0337-16 | 25-Sep-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 11 of 15

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410310**

Reported: 08-Oct-24 16:14

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte    | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|------------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |            |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                             | Manganese  | mg/L  | 1.59         | 0.657             | 1.00            | 93.5   | 70 - 130          | X439058 - X4I0310-01 | 25-Sep-24 |       |
| EPA 200.7                             | Manganese  | mg/L  | 0.955        | <0.0080           | 1.00            | 95.5   | 70 - 130          | X439058 - X4I0337-16 | 25-Sep-24 |       |
| EPA 200.7                             | Molybdenum | mg/L  | 0.975        | <0.0080           | 1.00            | 97.5   | 70 - 130          | X439058 - X4I0310-01 | 25-Sep-24 |       |
| EPA 200.7                             | Molybdenum | mg/L  | 0.977        | <0.0080           | 1.00            | 97.0   | 70 - 130          | X439058 - X4I0337-16 | 25-Sep-24 |       |
| EPA 200.7                             | Nickel     | mg/L  | 0.921        | <0.0100           | 1.00            | 92.1   | 70 - 130          | X439058 - X4I0310-01 | 25-Sep-24 |       |
| EPA 200.7                             | Nickel     | mg/L  | 0.928        | <0.0100           | 1.00            | 92.8   | 70 - 130          | X439058 - X4I0337-16 | 25-Sep-24 |       |
| EPA 200.7                             | Potassium  | mg/L  | 20.5         | 1.18              | 20.0            | 96.6   | 70 - 130          | X439058 - X4I0310-01 | 25-Sep-24 |       |
| EPA 200.7                             | Potassium  | mg/L  | 20.7         | 1.46              | 20.0            | 96.2   | 70 - 130          | X439058 - X4I0337-16 | 25-Sep-24 |       |
| EPA 200.7                             | Sodium     | mg/L  | 30.7         | 12.6              | 19.0            | 95.2   | 70 - 130          | X439058 - X4I0310-01 | 25-Sep-24 |       |
| EPA 200.7                             | Sodium     | mg/L  | 79.1         | 62.7              | 19.0            | 86.2   | 70 - 130          | X439058 - X4I0337-16 | 25-Sep-24 |       |
| EPA 200.7                             | Zinc       | mg/L  | 0.975        | <0.0100           | 1.00            | 97.5   | 70 - 130          | X439058 - X4I0310-01 | 25-Sep-24 |       |
| EPA 200.7                             | Zinc       | mg/L  | 0.996        | <0.0100           | 1.00            | 99.6   | 70 - 130          | X439058 - X4I0337-16 | 25-Sep-24 |       |
| EPA 200.8                             | Antimony   | mg/L  | 0.0250       | <0.00100          | 0.0250          | 99.9   | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Antimony   | mg/L  | 0.0256       | <0.00100          | 0.0250          | 103    | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Arsenic    | mg/L  | 0.0261       | <0.00100          | 0.0250          | 105    | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Arsenic    | mg/L  | 0.0263       | <0.00100          | 0.0250          | 104    | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Cadmium    | mg/L  | 0.0247       | <0.000100         | 0.0250          | 98.8   | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Cadmium    | mg/L  | 0.0257       | <0.000100         | 0.0250          | 103    | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Chromium   | mg/L  | 0.0264       | <0.00100          | 0.0250          | 103    | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Chromium   | mg/L  | 0.0260       | <0.00100          | 0.0250          | 103    | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Copper     | mg/L  | 0.0277       | 0.00079           | 0.0250          | 108    | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Copper     | mg/L  | 0.0260       | <0.00040          | 0.0250          | 102    | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Lead       | mg/L  | 0.0248       | <0.00020          | 0.0250          | 99.2   | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Lead       | mg/L  | 0.0248       | <0.00020          | 0.0250          | 99.4   | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Selenium   | mg/L  | 0.0260       | <0.00100          | 0.0250          | 103    | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Selenium   | mg/L  | 0.0269       | <0.00100          | 0.0250          | 105    | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Silver     | mg/L  | 0.0242       | <0.00008          | 0.0250          | 96.8   | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Silver     | mg/L  | 0.0247       | <0.00008          | 0.0250          | 99.0   | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Thallium   | mg/L  | 0.0248       | <0.000200         | 0.0250          | 99.3   | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Thallium   | mg/L  | 0.0251       | <0.000200         | 0.0250          | 100    | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |
| EPA 200.8                             | Uranium    | mg/L  | 0.0254       | <0.000100         | 0.0250          | 101    | 70 - 130          | X440113 - X4I0330-02 | 08-Oct-24 |       |
| EPA 200.8                             | Uranium    | mg/L  | 0.0252       | <0.000100         | 0.0250          | 101    | 70 - 130          | X440113 - X4I0331-01 | 08-Oct-24 |       |

**Classical Chemistry Parameters**

|             |                       |      |        |         |       |         |          |                      |           |    |
|-------------|-----------------------|------|--------|---------|-------|---------|----------|----------------------|-----------|----|
| ASTM D7237  | Cyanide (free) @ pH 6 | mg/L | 0.0980 | <0.0050 | 0.100 | 98.0    | 79 - 121 | X439153 - X4I0262-01 | 30-Sep-24 |    |
| EPA 335.4   | Cyanide (total)       | mg/L | 0.104  | <0.0050 | 0.100 | 104     | 90 - 110 | X439001 - X4I0262-01 | 24-Sep-24 |    |
| EPA 335.4   | Cyanide (total)       | mg/L | 0.588  | 0.454   | 0.100 | 0.30R>S | 90 - 110 | X439001 - X4I0211-01 | 24-Sep-24 | M4 |
| EPA 350.1   | Ammonia as N          | mg/L | 1.07   | <0.030  | 1.00  | 106     | 90 - 110 | X439085 - X4I0202-03 | 25-Sep-24 |    |
| EPA 350.1   | Ammonia as N          | mg/L | 1.04   | <0.030  | 1.00  | 104     | 90 - 110 | X439085 - X4I0202-04 | 25-Sep-24 |    |
| EPA 351.2   | TKN                   | mg/L | 8.19   | <0.50   | 8.00  | 97.7    | 90 - 110 | X439136 - X4I0310-01 | 02-Oct-24 |    |
| EPA 351.2   | TKN                   | mg/L | 8.13   | <0.50   | 8.00  | 97.4    | 90 - 110 | X439136 - X4I0310-02 | 02-Oct-24 |    |
| OIA 1677    | Cyanide (WAD)         | mg/L | 0.101  | <0.0050 | 0.100 | 99.0    | 82 - 118 | X438184 - X4I0262-01 | 20-Sep-24 |    |
| SM 4500 S D | Sulfide               | mg/L | 0.213  | <0.050  | 0.200 | 107     | 75 - 125 | X439100 - X4I0310-03 | 25-Sep-24 |    |

**Dissolved Classical Chemistry Parameters**

|              |                     |      |        |         |        |     |          |                      |           |  |
|--------------|---------------------|------|--------|---------|--------|-----|----------|----------------------|-----------|--|
| SM 3500 Cr B | Hexavalent Chromium | mg/L | 0.0204 | <0.0050 | 0.0200 | 102 | 75 - 125 | X439004 - X4I0138-01 | 23-Sep-24 |  |
|--------------|---------------------|------|--------|---------|--------|-----|----------|----------------------|-----------|--|

**Anions by Ion Chromatography**

|           |          |      |      |        |      |      |          |                      |           |  |
|-----------|----------|------|------|--------|------|------|----------|----------------------|-----------|--|
| EPA 300.0 | Chloride | mg/L | 4.04 | 1.07   | 3.00 | 99.1 | 90 - 110 | X438168 - X4I0274-04 | 19-Sep-24 |  |
| EPA 300.0 | Chloride | mg/L | 4.05 | 1.07   | 3.00 | 99.2 | 90 - 110 | X438168 - X4I0274-05 | 19-Sep-24 |  |
| EPA 300.0 | Fluoride | mg/L | 2.00 | <0.100 | 2.00 | 98.6 | 90 - 110 | X438168 - X4I0274-04 | 19-Sep-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 12 of 15



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[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410310**

Reported: 08-Oct-24 16:14

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Anions by Ion Chromatography (Continued)**

|           |                      |      |      |        |      |      |          |                      |           |  |
|-----------|----------------------|------|------|--------|------|------|----------|----------------------|-----------|--|
| EPA 300.0 | Fluoride             | mg/L | 2.00 | <0.100 | 2.00 | 99.0 | 90 - 110 | X438168 - X410274-05 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 1.96 | <0.050 | 2.00 | 96.6 | 90 - 110 | X438168 - X410274-04 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 1.97 | <0.050 | 2.00 | 96.9 | 90 - 110 | X438168 - X410274-05 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 3.96 | <0.100 | 4.00 | 98.9 | 90 - 110 | X438168 - X410274-04 | 19-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 3.97 | <0.100 | 4.00 | 99.3 | 90 - 110 | X438168 - X410274-05 | 19-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 1.99 | <0.050 | 2.00 | 99.5 | 90 - 110 | X438168 - X410274-04 | 19-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.01 | <0.050 | 2.00 | 100  | 90 - 110 | X438168 - X410274-05 | 19-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 12.2 | 2.33   | 10.0 | 98.5 | 90 - 110 | X438168 - X410274-04 | 19-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 12.2 | 2.31   | 10.0 | 98.9 | 90 - 110 | X438168 - X410274-05 | 19-Sep-24 |  |

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total)**

|           |         |      |         |         |         |     |    |      |                      |  |
|-----------|---------|------|---------|---------|---------|-----|----|------|----------------------|--|
| EPA 1631E | Mercury | ng/L | 2.76    | 2.79    | 2.50    | 0.9 | 24 | 100  | X438221 - X410330-01 |  |
| EPA 1631E | Mercury | ng/L | 4.85    | 4.88    | 2.50    | 0.5 | 24 | 96.8 | X438221 - X410274-01 |  |
| EPA 245.1 | Mercury | mg/L | 0.00184 | 0.00196 | 0.00200 | 6.4 | 20 | 91.8 | X439068 - X410302-02 |  |

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |            |      |        |        |        |      |    |         |                      |        |
|-----------|------------|------|--------|--------|--------|------|----|---------|----------------------|--------|
| EPA 200.7 | Barium     | mg/L | 1.10   | 1.12   | 1.00   | 1.5  | 20 | 95.7    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Beryllium  | mg/L | 0.960  | 0.995  | 1.00   | 3.6  | 20 | 96.0    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Boron      | mg/L | 1.81   | 1.86   | 1.00   | 2.7  | 20 | 95.1    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Calcium    | mg/L | 618    | 628    | 20.0   | 2.0  | 20 | 120     | X439104 - X410324-07 | D18    |
| EPA 200.7 | Chromium   | mg/L | 0.934  | 0.959  | 1.00   | 2.6  | 20 | 93.4    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Iron       | mg/L | 9.77   | 9.98   | 10.0   | 2.1  | 20 | 97.7    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Magnesium  | mg/L | 46.0   | 47.4   | 20.0   | 3.0  | 20 | 100     | X439104 - X410324-07 | D18    |
| EPA 200.7 | Manganese  | mg/L | 0.923  | 0.950  | 1.00   | 2.9  | 20 | 92.3    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Molybdenum | mg/L | 1.34   | 1.38   | 1.00   | 3.2  | 20 | 96.4    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Nickel     | mg/L | 0.912  | 0.942  | 1.00   | 3.3  | 20 | 91.2    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Phosphorus | mg/L | 1.17   | 1.32   | 1.00   | 12.2 | 20 | 85.6    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Potassium  | mg/L | 58.4   | 58.9   | 20.0   | 1.0  | 20 | 97.8    | X439104 - X410324-07 | D18    |
| EPA 200.7 | Sodium     | mg/L | 2200   | 2230   | 19.0   | 1.6  | 20 | 0.30R>S | X439104 - X410324-07 | D18,M4 |
| EPA 200.7 | Zinc       | mg/L | 0.971  | 1.00   | 1.00   | 3.4  | 20 | 97.1    | X439104 - X410324-07 | D18    |
| EPA 200.8 | Antimony   | mg/L | 0.0256 | 0.0266 | 0.0250 | 3.8  | 20 | 102     | X439105 - X410274-02 |        |
| EPA 200.8 | Arsenic    | mg/L | 0.0256 | 0.0265 | 0.0250 | 3.6  | 20 | 101     | X439105 - X410274-02 |        |
| EPA 200.8 | Cadmium    | mg/L | 0.0247 | 0.0254 | 0.0250 | 2.8  | 20 | 98.8    | X439105 - X410274-02 |        |
| EPA 200.8 | Chromium   | mg/L | 0.0258 | 0.0263 | 0.0250 | 1.7  | 20 | 101     | X439105 - X410274-02 |        |
| EPA 200.8 | Copper     | mg/L | 0.0268 | 0.0273 | 0.0250 | 1.5  | 20 | 102     | X439105 - X410274-02 |        |
| EPA 200.8 | Lead       | mg/L | 0.0258 | 0.0260 | 0.0250 | 0.9  | 20 | 102     | X439105 - X410274-02 |        |
| EPA 200.8 | Selenium   | mg/L | 0.0259 | 0.0253 | 0.0250 | 2.3  | 20 | 102     | X439105 - X410274-02 |        |

**Metals (Dissolved)**

|           |            |      |       |       |      |     |    |      |                      |  |
|-----------|------------|------|-------|-------|------|-----|----|------|----------------------|--|
| EPA 200.7 | Aluminum   | mg/L | 0.988 | 0.986 | 1.00 | 0.2 | 20 | 98.8 | X439058 - X410310-01 |  |
| EPA 200.7 | Barium     | mg/L | 1.08  | 1.09  | 1.00 | 0.3 | 20 | 96.3 | X439058 - X410310-01 |  |
| EPA 200.7 | Beryllium  | mg/L | 0.959 | 0.960 | 1.00 | 0.1 | 20 | 95.9 | X439058 - X410310-01 |  |
| EPA 200.7 | Calcium    | mg/L | 63.8  | 63.9  | 20.0 | 0.2 | 20 | 92.4 | X439058 - X410310-01 |  |
| EPA 200.7 | Iron       | mg/L | 9.88  | 9.91  | 10.0 | 0.3 | 20 | 96.2 | X439058 - X410310-01 |  |
| EPA 200.7 | Magnesium  | mg/L | 29.7  | 29.7  | 20.0 | 0.1 | 20 | 95.0 | X439058 - X410310-01 |  |
| EPA 200.7 | Manganese  | mg/L | 1.58  | 1.59  | 1.00 | 0.6 | 20 | 92.7 | X439058 - X410310-01 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.966 | 0.975 | 1.00 | 0.9 | 20 | 96.6 | X439058 - X410310-01 |  |
| EPA 200.7 | Nickel     | mg/L | 0.913 | 0.921 | 1.00 | 0.9 | 20 | 91.3 | X439058 - X410310-01 |  |
| EPA 200.7 | Potassium  | mg/L | 20.5  | 20.5  | 20.0 | 0.2 | 20 | 96.4 | X439058 - X410310-01 |  |
| EPA 200.7 | Sodium     | mg/L | 30.7  | 30.7  | 19.0 | 0.2 | 20 | 94.9 | X439058 - X410310-01 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

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**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0310**

Reported: 08-Oct-24 16:14

**Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)**

| Method                                          | Analyte               | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID  | Notes |
|-------------------------------------------------|-----------------------|-------|------------|--------------|-------------|-----|-----------|------------|----------------------|-------|
| <b>Metals (Dissolved) (Continued)</b>           |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                       | Zinc                  | mg/L  | 0.975      | 0.975        | 1.00        | 0.0 | 20        | 97.5       | X439058 - X4I0310-01 |       |
| EPA 200.8                                       | Antimony              | mg/L  | 0.0250     | 0.0250       | 0.0250      | 0.1 | 20        | 100        | X440113 - X4I0330-02 |       |
| EPA 200.8                                       | Arsenic               | mg/L  | 0.0257     | 0.0261       | 0.0250      | 1.9 | 20        | 103        | X440113 - X4I0330-02 |       |
| EPA 200.8                                       | Cadmium               | mg/L  | 0.0251     | 0.0247       | 0.0250      | 1.6 | 20        | 100        | X440113 - X4I0330-02 |       |
| EPA 200.8                                       | Chromium              | mg/L  | 0.0254     | 0.0264       | 0.0250      | 3.9 | 20        | 99.1       | X440113 - X4I0330-02 |       |
| EPA 200.8                                       | Copper                | mg/L  | 0.0265     | 0.0277       | 0.0250      | 4.5 | 20        | 103        | X440113 - X4I0330-02 |       |
| EPA 200.8                                       | Lead                  | mg/L  | 0.0251     | 0.0248       | 0.0250      | 1.2 | 20        | 100        | X440113 - X4I0330-02 |       |
| EPA 200.8                                       | Selenium              | mg/L  | 0.0246     | 0.0260       | 0.0250      | 5.7 | 20        | 96.8       | X440113 - X4I0330-02 |       |
| EPA 200.8                                       | Silver                | mg/L  | 0.0241     | 0.0242       | 0.0250      | 0.3 | 20        | 96.4       | X440113 - X4I0330-02 |       |
| EPA 200.8                                       | Thallium              | mg/L  | 0.0253     | 0.0248       | 0.0250      | 1.8 | 20        | 101        | X440113 - X4I0330-02 |       |
| EPA 200.8                                       | Uranium               | mg/L  | 0.0255     | 0.0254       | 0.0250      | 0.4 | 20        | 102        | X440113 - X4I0330-02 |       |
| <b>Classical Chemistry Parameters</b>           |                       |       |            |              |             |     |           |            |                      |       |
| ASTM D7237                                      | Cyanide (free) @ pH 6 | mg/L  | 0.102      | 0.0980       | 0.100       | 4.0 | 11        | 102        | X439153 - X4I0262-01 |       |
| EPA 335.4                                       | Cyanide (total)       | mg/L  | 0.585      | 0.588        | 0.100       | 0.6 | 20        | 0.30R>S    | X439001 - X4I0211-01 | M4    |
| EPA 350.1                                       | Ammonia as N          | mg/L  | 1.07       | 1.07         | 1.00        | 0.3 | 20        | 106        | X439085 - X4I0202-03 |       |
| EPA 351.2                                       | TKN                   | mg/L  | 8.22       | 8.19         | 8.00        | 0.4 | 20        | 98.1       | X439136 - X4I0310-01 |       |
| OIA 1677                                        | Cyanide (WAD)         | mg/L  | 0.108      | 0.101        | 0.100       | 6.7 | 11        | 106        | X438184 - X4I0262-01 |       |
| SM 4500 S D                                     | Sulfide               | mg/L  | 0.198      | 0.213        | 0.200       | 7.3 | 20        | 99.0       | X439100 - X4I0310-03 |       |
| <b>Dissolved Classical Chemistry Parameters</b> |                       |       |            |              |             |     |           |            |                      |       |
| SM 3500 Cr B                                    | Hexavalent Chromium   | mg/L  | 0.0207     | 0.0204       | 0.0200      | 1.3 | 20        | 103        | X439004 - X4I0138-01 |       |
| <b>Anions by Ion Chromatography</b>             |                       |       |            |              |             |     |           |            |                      |       |
| EPA 300.0                                       | Chloride              | mg/L  | 4.09       | 4.04         | 3.00        | 1.2 | 20        | 101        | X438168 - X4I0274-04 |       |
| EPA 300.0                                       | Fluoride              | mg/L  | 2.02       | 2.00         | 2.00        | 1.1 | 20        | 99.7       | X438168 - X4I0274-04 |       |
| EPA 300.0                                       | Nitrate as N          | mg/L  | 1.99       | 1.96         | 2.00        | 1.5 | 20        | 98.0       | X438168 - X4I0274-04 |       |
| EPA 300.0                                       | Nitrate+Nitrite as N  | mg/L  | 4.01       | 3.96         | 4.00        | 1.4 | 20        | 100        | X438168 - X4I0274-04 |       |
| EPA 300.0                                       | Nitrite as N          | mg/L  | 2.02       | 1.99         | 2.00        | 1.4 | 20        | 101        | X438168 - X4I0274-04 |       |
| EPA 300.0                                       | Sulfate as SO4        | mg/L  | 12.3       | 12.2         | 10.0        | 0.8 | 20        | 99.4       | X438168 - X4I0274-04 |       |



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Kellogg, ID 83837-0929

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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410310**

Reported: 08-Oct-24 16:14

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**Notes and Definitions**

|         |                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D18     | Due to a published chemical interference, a sample dilution was performed.                                                                                           |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.                |
| M4      | The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable. |
| U       | Indicates the analyte was analyzed for but was not detected, result was less than the MDL.                                                                           |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                                              |
| RPD     | Relative Percent Difference                                                                                                                                          |
| UDL     | A result is less than the detection limit                                                                                                                            |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                                  |
| <RL     | A result is less than the reporting limit                                                                                                                            |
| MRL     | Method Reporting Limit                                                                                                                                               |
| MDL     | Method Detection Limit                                                                                                                                               |
| N/A     | Not Applicable                                                                                                                                                       |

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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0374**

Reported: 18-Oct-24 16:02

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| GVMW-24B  | X4I0374-01    | Ground Water | 23-Sep-24 14:17 | JC         | 25-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0374**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410374**

Reported: 18-Oct-24 16:02

Client Sample ID: **GVMW-24B**

Sampled: 23-Sep-24 14:17

Received: 25-Sep-24

Sampled By: JC

SVL Sample ID: **X410374-01 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |    |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|----|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 493  | mg/L | 1.00  | 0.690 | 10 | X440036 | SJN | 10/03/24 19:19 |  |
| EPA 200.7 | <b>Magnesium</b>           | 140  | mg/L | 0.500 | 0.090 |    | X440036 | SJN | 10/03/24 17:55 |  |
| EPA 200.7 | <b>Potassium</b>           | 2.92 | mg/L | 0.50  | 0.18  |    | X440036 | SJN | 10/03/24 17:55 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 1810 | mg/L | 4.56  | 2.09  |    | N/A     |     | 10/07/24 16:37 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |    |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|----|
| EPA 200.7 | <b>Aluminum</b>  | 0.273      | mg/L | 0.080    | 0.054    |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | <b>Barium</b>    | 0.0113     | mg/L | 0.0020   | 0.0019   |  | X440106 | SJN | 10/07/24 20:51 |    |
| EPA 200.7 | <b>Beryllium</b> | 0.00217    | mg/L | 0.00200  | 0.00080  |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | <b>Cadmium</b>   | 0.0025     | mg/L | 0.0020   | 0.0016   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | <b>Calcium</b>   | 476        | mg/L | 0.100    | 0.069    |  | X440106 | SJN | 10/07/24 16:37 | M3 |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X440106 | SJN | 10/07/24 20:51 |    |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | <b>Magnesium</b> | 140        | mg/L | 0.500    | 0.090    |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | <b>Manganese</b> | 1.35       | mg/L | 0.0080   | 0.0034   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | <b>Nickel</b>    | 0.0420     | mg/L | 0.0100   | 0.0048   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | <b>Potassium</b> | 2.60       | mg/L | 0.50     | 0.18     |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | <b>Sodium</b>    | 23.2       | mg/L | 0.50     | 0.12     |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.7 | <b>Zinc</b>      | 0.0659     | mg/L | 0.0100   | 0.0054   |  | X440106 | SJN | 10/07/24 16:37 |    |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X441005 | JRR | 10/09/24 09:43 |    |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X441005 | JRR | 10/09/24 09:43 |    |
| EPA 200.8 | <b>Selenium</b>  | 0.00176    | mg/L | 0.00100  | 0.00024  |  | X441005 | JRR | 10/09/24 09:43 |    |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X441005 | JRR | 10/09/24 09:43 |    |
| EPA 200.8 | <b>Uranium</b>   | 0.0145     | mg/L | 0.000100 | 0.000052 |  | X441005 | JRR | 10/09/24 09:43 |    |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439192 | MAC | 10/04/24 13:50 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|



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|                                                                             |                                                                                                            |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Newmont - Cripple Creek & Victor<br>Post Office Box 191<br>Victor, CO 80860 | Project Name: Cripple Creek/Victor Water and Soil 2024<br>Work Order: X410374<br>Reported: 18-Oct-24 16:02 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

Client Sample ID: GVMW-24B  
SVL Sample ID: X410374-01 (Ground Water)

Sampled: 23-Sep-24 14:17  
Received: 25-Sep-24  
Sampled By: JC

Sample Report Page 2 of 2

| Method                         | Analyte                       | Result   | Units         | RL     | MDL    | Dilution | Batch   | Analyst | Analyzed       | Notes |
|--------------------------------|-------------------------------|----------|---------------|--------|--------|----------|---------|---------|----------------|-------|
| Classical Chemistry Parameters |                               |          |               |        |        |          |         |         |                |       |
| ASTM D7237                     | Cyanide (free) @ pH 6 @20.0°C | < 0.0050 | mg/L          | 0.0050 | 0.0048 |          | X439155 | DD      | 10/01/24 13:10 | R4    |
| EPA 335.4                      | Cyanide (total)               | < 0.0050 | mg/L          | 0.0050 | 0.0038 |          | X440014 | DD      | 10/01/24 12:55 |       |
| EPA 350.1                      | Ammonia as N                  | < 0.030  | mg/L          | 0.030  | 0.013  |          | X439148 | DD      | 09/27/24 15:18 |       |
| OIA 1677                       | Cyanide (WAD)                 | 0.0080   | mg/L          | 0.0050 | 0.0010 |          | X441035 | DD      | 10/07/24 14:22 |       |
| OIA 1677                       | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |          | X442184 | DD      | 10/18/24 12:26 | H1    |
| OIA 1677                       | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |          | X442184 | DD      | 10/18/24 12:28 | H1    |
| SM 2310 B                      | Acidity to pH 8.3             | -73.1    | mg/L as CaCO3 | 10.0   |        |          | X439181 | MWD     | 09/28/24 09:35 |       |
| SM 2320 B                      | Total Alkalinity              | 74.5     | mg/L as CaCO3 | 1.0    |        |          | X439132 | MWD     | 09/27/24 18:59 |       |
| SM 2320 B                      | Bicarbonate                   | 74.5     | mg/L as CaCO3 | 1.0    |        |          | X439132 | MWD     | 09/27/24 18:59 |       |
| SM 2320 B                      | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |          | X439132 | MWD     | 09/27/24 18:59 |       |
| SM 2320 B                      | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |          | X439132 | MWD     | 09/27/24 18:59 |       |
| SM 2540 C                      | Total Diss. Solids            | 2520     | mg/L          | 40     |        |          | X439151 | TJL     | 09/27/24 13:25 |       |
| SM 2540 D                      | Total Susp. Solids            | 23.0     | mg/L          | 5.0    |        |          | X439152 | TJL     | 09/27/24 14:05 |       |
| SM 4500 H B                    | pH @20.7°C                    | 6.7      | pH Units      |        |        |          | X439132 | MWD     | 09/27/24 18:59 | H5    |

Anions by Ion Chromatography

|           |                      |         |      |       |       |    |         |    |                |  |
|-----------|----------------------|---------|------|-------|-------|----|---------|----|----------------|--|
| EPA 300.0 | Chloride             | 21.0    | mg/L | 10.0  | 1.10  | 50 | X439061 | RS | 09/25/24 13:10 |  |
| EPA 300.0 | Fluoride             | 1.29    | mg/L | 0.100 | 0.017 |    | X439061 | RS | 09/25/24 12:54 |  |
| EPA 300.0 | Nitrate as N         | 1.80    | mg/L | 0.050 | 0.013 |    | X439061 | RS | 09/25/24 12:54 |  |
| EPA 300.0 | Nitrate+Nitrite as N | 1.80    | mg/L | 0.100 | 0.044 |    | X439061 | RS | 09/25/24 12:54 |  |
| EPA 300.0 | Nitrite as N         | < 0.050 | mg/L | 0.050 | 0.031 |    | X439061 | RS | 09/25/24 12:54 |  |
| EPA 300.0 | Sulfate as SO4       | 1790    | mg/L | 15.0  | 9.00  | 50 | X439061 | RS | 09/25/24 13:10 |  |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                      |                |
|------------------------|-----------------------|----------------------|----------------------|----------------|
| Cation Sum: 36.4 meq/L | Anion Sum: 39.5 meq/L | C/A Balance: -4.09 % | Calculated TDS: 2515 | TDS/cTDS: 1.00 |
|------------------------|-----------------------|----------------------|----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410374**

Reported: 18-Oct-24 16:02

**Quality Control - BLANK Data**

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|--------|---------|-------|--------|-----|-----|----------|----------|-------|
|--------|---------|-------|--------|-----|-----|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |        |       |       |         |           |  |
|-----------|-----------|------|--------|-------|-------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | <0.100 | 0.069 | 0.100 | X440036 | 03-Oct-24 |  |
| EPA 200.7 | Magnesium | mg/L | <0.500 | 0.090 | 0.500 | X440036 | 03-Oct-24 |  |
| EPA 200.7 | Potassium | mg/L | <0.50  | 0.18  | 0.50  | X440036 | 03-Oct-24 |  |

**Metals (Dissolved)**

|           |            |      |           |          |          |         |           |  |
|-----------|------------|------|-----------|----------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | <0.080    | 0.054    | 0.080    | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Barium     | mg/L | <0.0020   | 0.0019   | 0.0020   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Beryllium  | mg/L | <0.00200  | 0.00080  | 0.00200  | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Boron      | mg/L | <0.0400   | 0.0078   | 0.0400   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Cadmium    | mg/L | <0.0020   | 0.0016   | 0.0020   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Calcium    | mg/L | <0.100    | 0.069    | 0.100    | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Chromium   | mg/L | <0.0060   | 0.0020   | 0.0060   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Cobalt     | mg/L | <0.0060   | 0.0046   | 0.0060   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Copper     | mg/L | <0.0100   | 0.0027   | 0.0100   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Iron       | mg/L | <0.100    | 0.056    | 0.100    | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Lead       | mg/L | <0.0075   | 0.0049   | 0.0075   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Lithium    | mg/L | <0.040    | 0.025    | 0.040    | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Magnesium  | mg/L | <0.500    | 0.090    | 0.500    | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Manganese  | mg/L | <0.0080   | 0.0034   | 0.0080   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Molybdenum | mg/L | <0.0080   | 0.0034   | 0.0080   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Nickel     | mg/L | <0.0100   | 0.0048   | 0.0100   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Potassium  | mg/L | <0.50     | 0.18     | 0.50     | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Silver     | mg/L | <0.0050   | 0.0019   | 0.0050   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Sodium     | mg/L | <0.50     | 0.12     | 0.50     | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Vanadium   | mg/L | <0.0050   | 0.0019   | 0.0050   | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Zinc       | mg/L | <0.0100   | 0.0054   | 0.0100   | X440106 | 07-Oct-24 |  |
| EPA 200.8 | Antimony   | mg/L | <0.00100  | 0.00072  | 0.00100  | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Arsenic    | mg/L | <0.00100  | 0.00021  | 0.00100  | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Selenium   | mg/L | <0.00100  | 0.00024  | 0.00100  | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Thallium   | mg/L | <0.000200 | 0.00008  | 0.000200 | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Uranium    | mg/L | <0.000100 | 0.000052 | 0.000100 | X441005 | 09-Oct-24 |  |

**Metals (Filtered)**

|           |         |      |           |          |          |         |           |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | <0.000200 | 0.000093 | 0.000200 | X439192 | 04-Oct-24 |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |         |        |        |         |           |  |
|------------|-----------------------|---------------|---------|--------|--------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | <0.0050 | 0.0048 | 0.0050 | X439155 | 01-Oct-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | <0.0050 | 0.0038 | 0.0050 | X440014 | 01-Oct-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | <0.030  | 0.013  | 0.030  | X439148 | 27-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | <0.0050 | 0.0010 | 0.0050 | X441035 | 07-Oct-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | <0.0050 | 0.0010 | 0.0050 | X442184 | 18-Oct-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0   |        | 10.0   | X439181 | 28-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | <1.0    |        | 1.0    | X439132 | 27-Sep-24 |  |
| SM 2320 B  | Bicarbonate           | mg/L as CaCO3 | <1.0    |        | 1.0    | X439132 | 27-Sep-24 |  |
| SM 2320 B  | Carbonate             | mg/L as CaCO3 | <1.0    |        | 1.0    | X439132 | 27-Sep-24 |  |
| SM 2320 B  | Hydroxide             | mg/L as CaCO3 | <1.0    |        | 1.0    | X439132 | 27-Sep-24 |  |
| SM 2540 C  | Total Diss. Solids    | mg/L          | <10     |        | 10     | X439151 | 27-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | <5.0    |        | 5.0    | X439152 | 27-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |        |       |       |         |           |  |
|-----------|----------------------|------|--------|-------|-------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | <0.20  | 0.02  | 0.20  | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | <0.100 | 0.017 | 0.100 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | <0.050 | 0.013 | 0.050 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | <0.100 | 0.044 | 0.100 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | <0.050 | 0.031 | 0.050 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | <0.30  | 0.18  | 0.30  | X439061 | 25-Sep-24 |  |


**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410374**

Reported: 18-Oct-24 16:02

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 19.4 | 20.0 | 97   | 85 - 115 | X440036 | 03-Oct-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.6 | 20.0 | 97.9 | 85 - 115 | X440036 | 03-Oct-24 |  |
| EPA 200.7 | Potassium | mg/L | 19.5 | 20.0 | 97.5 | 85 - 115 | X440036 | 03-Oct-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 0.924  | 1.00   | 92.4 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.926  | 1.00   | 92.6 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 0.994  | 1.00   | 99.4 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.956  | 1.00   | 95.6 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.945  | 1.00   | 94.5 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Calcium    | mg/L | 18.8   | 20.0   | 93.9 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.932  | 1.00   | 93.2 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Copper     | mg/L | 0.977  | 1.00   | 97.7 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.82   | 10.0   | 98.2 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Lithium    | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.5   | 20.0   | 97.3 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.954  | 1.00   | 95.4 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.7   | 20.0   | 98.3 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0474 | 0.0500 | 94.8 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Sodium     | mg/L | 18.5   | 19.0   | 97.2 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.02   | 1.00   | 102  | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0260 | 0.0250 | 104  | 85 - 115 | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0261 | 0.0250 | 104  | 85 - 115 | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0255 | 0.0250 | 102  | 85 - 115 | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0256 | 0.0250 | 102  | 85 - 115 | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0256 | 0.0250 | 102  | 85 - 115 | X441005 | 09-Oct-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |     |          |         |           |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00204 | 0.00200 | 102 | 85 - 115 | X439192 | 04-Oct-24 |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |        |       |      |            |         |           |  |
|------------|-----------------------|---------------|--------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.104  | 0.100 | 104  | 90 - 110   | X439155 | 01-Oct-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.0995 | 0.100 | 99.5 | 90 - 110   | X440014 | 01-Oct-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 0.992  | 1.00  | 99.2 | 90 - 110   | X439148 | 27-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 1.00   | 1.00  | 100  | 90 - 110   | X439148 | 27-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 1.01   | 1.00  | 101  | 90 - 110   | X439148 | 27-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 1.00   | 1.00  | 100  | 90 - 110   | X439148 | 27-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.0990 | 0.100 | 99.0 | 90 - 110   | X441035 | 07-Oct-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.101  | 0.100 | 101  | 90 - 110   | X442184 | 18-Oct-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897    | 884   | 102  | 95.4 - 104 | X439181 | 28-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 99.6   | 99.3  | 100  | 96.4 - 105 | X439132 | 27-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 9.80   | 9.93  | 98.7 | 96.4 - 105 | X439132 | 27-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 408    | 397   | 103  | 96.4 - 105 | X439132 | 27-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 10.0   | 10.0  | 100  | 85 - 115   | X439152 | 27-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |      |          |         |           |  |
|-----------|----------------------|------|------|------|------|----------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 3.03 | 3.00 | 101  | 90 - 110 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.02 | 2.00 | 101  | 90 - 110 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 1.98 | 2.00 | 99.0 | 90 - 110 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.52 | 4.50 | 100  | 90 - 110 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.54 | 2.50 | 101  | 90 - 110 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 10.3 | 10.0 | 103  | 90 - 110 | X439061 | 25-Sep-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410374**

Reported: 18-Oct-24 16:02

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD  | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|------|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |      |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | 478              | 478           | 0.0  | 20        | X439181 - X410277-01 | 28-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 141              | 141           | 0.1  | 20        | X439132 - X410375-01 | 27-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 141              | 141           | 0.1  | 20        | X439132 - X410375-01 | 27-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X439132 - X410375-01 | 27-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X439132 - X410375-01 | 27-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 326              | 409           | 22.6 | 10        | X439151 - X410418-01 | 27-Sep-24 | R2B   |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 371              | 376           | 1.3  | 10        | X439151 - X410404-02 | 27-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | 6.0           | <RL  | 10        | X439152 - X410418-01 | 27-Sep-24 | R2B   |
| SM 4500 H B                           | pH @20.9°C         | pH Units                  | 8.2              | 8.2           | 0.1  | 20        | X439132 - X410375-01 | 27-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                                | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec.  | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|---------|-------------------|----------------------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |           |       |              |                   |                 |         |                   |                      |           |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 78.3         | 58.9              | 20.0            | 97      | 70 - 130          | X440036 - X410375-01 | 03-Oct-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 309          | 288               | 20.0            | 105     | 70 - 130          | X440036 - X410384-02 | 03-Oct-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 33.7         | 13.4              | 20.0            | 101     | 70 - 130          | X440036 - X410375-01 | 03-Oct-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 330          | 315               | 20.0            | 76.8    | 70 - 130          | X440036 - X410384-02 | 03-Oct-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 27.3         | 8.18              | 20.0            | 95.8    | 70 - 130          | X440036 - X410375-01 | 03-Oct-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 58.5         | 38.8              | 20.0            | 98.8    | 70 - 130          | X440036 - X410384-02 | 03-Oct-24 |       |
| <b>Metals (Dissolved)</b>                                             |           |       |              |                   |                 |         |                   |                      |           |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.25         | 0.273             | 1.00            | 97.6    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 415          | 396               | 1.00            | 0.30R>S | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 | M3    |
| EPA 200.7                                                             | Barium    | mg/L  | 0.962        | 0.0113            | 1.00            | 95.1    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 0.980        | 0.0176            | 1.00            | 96.3    | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.01         | 0.00217           | 1.00            | 101     | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.72         | 0.624             | 1.00            | 109     | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 0.983        | <0.0400           | 1.00            | 96.2    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 0.923        | <0.0400           | 1.00            | 90.4    | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.993        | 0.0025            | 1.00            | 99.1    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 1.34         | 0.353             | 1.00            | 98.7    | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 511          | 476               | 20.0            | 0.30R>S | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 | M3    |
| EPA 200.7                                                             | Calcium   | mg/L  | 420          | 403               | 20.0            | 89.6    | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.967        | <0.0060           | 1.00            | 96.7    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 1.27         | 0.302             | 1.00            | 97.0    | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.914        | <0.0060           | 1.00            | 91.4    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 1.44         | 0.600             | 1.00            | 83.9    | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 1.01         | <0.0100           | 1.00            | 101     | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 1.30         | 0.281             | 1.00            | 102     | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 10.0         | <0.100            | 10.0            | 99.4    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 51.1         | 38.9              | 10.0            | 122     | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.944        | <0.0075           | 1.00            | 94.4    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.929        | 0.0117            | 1.00            | 91.7    | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 1.07         | <0.040            | 1.00            | 107     | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 1.48         | 0.308             | 1.00            | 117     | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 159          | 140               | 20.0            | 96.9    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 381          | 347               | 20.0            | 0.30R>S | 70 - 130          | X440106 - X410444-03 | 07-Oct-24 | M3    |
| EPA 200.7                                                             | Manganese | mg/L  | 2.32         | 1.35              | 1.00            | 97.1    | 70 - 130          | X440106 - X410374-01 | 07-Oct-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0374**

Reported: 18-Oct-24 16:02

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte               | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec.  | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|-----------------------|-------|--------------|-------------------|-----------------|---------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 200.7                             | Manganese             | mg/L  | 75.2         | 70.2              | 1.00            | 0.30R>S | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 | M3    |
| EPA 200.7                             | Molybdenum            | mg/L  | 0.959        | <0.0080           | 1.00            | 95.9    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 0.911        | <0.0080           | 1.00            | 91.1    | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 1.00         | 0.0420            | 1.00            | 96.0    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 2.76         | 1.88              | 1.00            | 88.3    | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 23.8         | 2.60              | 20.0            | 106     | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 25.6         | 3.29              | 20.0            | 112     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0495       | <0.0050           | 0.0500          | 98.9    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0522       | <0.0050           | 0.0500          | 104     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 42.7         | 23.2              | 19.0            | 102     | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 68.6         | 43.6              | 19.0            | 131     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 | M1    |
| EPA 200.7                             | Vanadium              | mg/L  | 1.04         | <0.0050           | 1.00            | 104     | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.03         | <0.0050           | 1.00            | 103     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.04         | 0.0659            | 1.00            | 97.0    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 7.12         | 6.78              | 1.00            | 0.30R>S | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 | M3    |
| EPA 200.8                             | Antimony              | mg/L  | 0.0266       | <0.00100          | 0.0250          | 107     | 70 - 130          | X441005 - X4I0374-01 | 09-Oct-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0275       | <0.00100          | 0.0250          | 110     | 70 - 130          | X441005 - X4I0393-01 | 09-Oct-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0243       | <0.00100          | 0.0250          | 97.1    | 70 - 130          | X441005 - X4I0374-01 | 09-Oct-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0261       | <0.00100          | 0.0250          | 102     | 70 - 130          | X441005 - X4I0393-01 | 09-Oct-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0250       | 0.00176           | 0.0250          | 93.1    | 70 - 130          | X441005 - X4I0374-01 | 09-Oct-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0251       | <0.00100          | 0.0250          | 100     | 70 - 130          | X441005 - X4I0393-01 | 09-Oct-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0236       | <0.000200         | 0.0250          | 94.4    | 70 - 130          | X441005 - X4I0374-01 | 09-Oct-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0242       | <0.000200         | 0.0250          | 96.8    | 70 - 130          | X441005 - X4I0393-01 | 09-Oct-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0384       | 0.0145            | 0.0250          | 95.5    | 70 - 130          | X441005 - X4I0374-01 | 09-Oct-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0304       | 0.00553           | 0.0250          | 99.5    | 70 - 130          | X441005 - X4I0393-01 | 09-Oct-24 |       |
| <b>Metals (Filtered)</b>              |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00206      | <0.000200         | 0.00200         | 103     | 70 - 130          | X439192 - X4I0336-02 | 04-Oct-24 |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00212      | <0.000200         | 0.00200         | 106     | 70 - 130          | X439192 - X4I0381-02 | 04-Oct-24 |       |
| <b>Classical Chemistry Parameters</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| ASTM D7237                            | Cyanide (free) @ pH 6 | mg/L  | 0.0980       | <0.0050           | 0.100           | 98.0    | 79 - 121          | X439155 - X4I0374-01 | 01-Oct-24 | R4    |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.101        | <0.0050           | 0.100           | 101     | 90 - 110          | X440014 - X4I0374-01 | 01-Oct-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.102        | <0.0050           | 0.100           | 102     | 90 - 110          | X440014 - X4I0375-01 | 01-Oct-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.01         | <0.030            | 1.00            | 101     | 90 - 110          | X439148 - X4I0375-02 | 27-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.01         | <0.030            | 1.00            | 101     | 90 - 110          | X439148 - X4I0375-01 | 27-Sep-24 |       |
| OIA 1677                              | Cyanide (WAD)         | mg/L  | 0.0930       | 0.0080            | 0.100           | 85.0    | 82 - 118          | X441035 - X4I0374-01 | 07-Oct-24 | R4    |
| OIA 1677                              | Cyanide (WAD)         | mg/L  | 0.0950       | <0.0050           | 0.100           | 91.0    | 82 - 118          | X442184 - X4J0146-01 | 18-Oct-24 |       |
| <b>Anions by Ion Chromatography</b>   |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 300.0                             | Chloride              | mg/L  | 4.23         | 1.23              | 3.00            | 100     | 90 - 110          | X439061 - X4I0358-02 | 25-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.01         | <0.100            | 2.00            | 101     | 90 - 110          | X439061 - X4I0358-02 | 25-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 1.98         | <0.050            | 2.00            | 97.2    | 90 - 110          | X439061 - X4I0358-02 | 25-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.00         | <0.100            | 4.00            | 99.9    | 90 - 110          | X439061 - X4I0358-02 | 25-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.01         | <0.050            | 2.00            | 101     | 90 - 110          | X439061 - X4I0358-02 | 25-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 11.9         | 1.98              | 10.0            | 99.5    | 90 - 110          | X439061 - X4I0358-02 | 25-Sep-24 |       |



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410374**

Reported: 18-Oct-24 16:02

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |     |    |      |                      |  |
|-----------|-----------|------|------|------|------|-----|----|------|----------------------|--|
| EPA 200.7 | Calcium   | mg/L | 77.2 | 78.3 | 20.0 | 1.0 | 20 | 91   | X440036 - X410375-01 |  |
| EPA 200.7 | Magnesium | mg/L | 33.3 | 33.7 | 20.0 | 1.0 | 20 | 99.4 | X440036 - X410375-01 |  |
| EPA 200.7 | Potassium | mg/L | 27.2 | 27.3 | 20.0 | 0.4 | 20 | 95.3 | X440036 - X410375-01 |  |

**Metals (Dissolved)**

|           |            |      |        |        |        |     |    |      |                      |  |
|-----------|------------|------|--------|--------|--------|-----|----|------|----------------------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.27   | 1.25   | 1.00   | 1.5 | 20 | 99.5 | X440106 - X410374-01 |  |
| EPA 200.7 | Barium     | mg/L | 0.982  | 0.962  | 1.00   | 2.1 | 20 | 97.1 | X440106 - X410374-01 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.01   | 1.01   | 1.00   | 0.7 | 20 | 101  | X440106 - X410374-01 |  |
| EPA 200.7 | Boron      | mg/L | 0.968  | 0.983  | 1.00   | 1.5 | 20 | 94.8 | X440106 - X410374-01 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.968  | 0.993  | 1.00   | 2.6 | 20 | 96.6 | X440106 - X410374-01 |  |
| EPA 200.7 | Calcium    | mg/L | 497    | 511    | 20.0   | 2.7 | 20 | 105  | X440106 - X410374-01 |  |
| EPA 200.7 | Chromium   | mg/L | 0.967  | 0.967  | 1.00   | 0.1 | 20 | 96.7 | X440106 - X410374-01 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.885  | 0.914  | 1.00   | 3.2 | 20 | 88.5 | X440106 - X410374-01 |  |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.01   | 1.00   | 1.0 | 20 | 100  | X440106 - X410374-01 |  |
| EPA 200.7 | Iron       | mg/L | 9.93   | 10.0   | 10.0   | 0.7 | 20 | 98.7 | X440106 - X410374-01 |  |
| EPA 200.7 | Lead       | mg/L | 0.926  | 0.944  | 1.00   | 1.8 | 20 | 92.6 | X440106 - X410374-01 |  |
| EPA 200.7 | Lithium    | mg/L | 1.10   | 1.07   | 1.00   | 2.1 | 20 | 110  | X440106 - X410374-01 |  |
| EPA 200.7 | Magnesium  | mg/L | 157    | 159    | 20.0   | 1.2 | 20 | 87.2 | X440106 - X410374-01 |  |
| EPA 200.7 | Manganese  | mg/L | 2.34   | 2.32   | 1.00   | 0.8 | 20 | 98.9 | X440106 - X410374-01 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.938  | 0.959  | 1.00   | 2.2 | 20 | 93.8 | X440106 - X410374-01 |  |
| EPA 200.7 | Nickel     | mg/L | 0.986  | 1.00   | 1.00   | 1.6 | 20 | 94.4 | X440106 - X410374-01 |  |
| EPA 200.7 | Potassium  | mg/L | 23.7   | 23.8   | 20.0   | 0.1 | 20 | 106  | X440106 - X410374-01 |  |
| EPA 200.7 | Silver     | mg/L | 0.0484 | 0.0495 | 0.0500 | 2.2 | 20 | 96.8 | X440106 - X410374-01 |  |
| EPA 200.7 | Sodium     | mg/L | 42.6   | 42.7   | 19.0   | 0.2 | 20 | 102  | X440106 - X410374-01 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.03   | 1.04   | 1.00   | 0.3 | 20 | 103  | X440106 - X410374-01 |  |
| EPA 200.7 | Zinc       | mg/L | 1.02   | 1.04   | 1.00   | 2.0 | 20 | 94.9 | X440106 - X410374-01 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0264 | 0.0266 | 0.0250 | 1.0 | 20 | 106  | X441005 - X410374-01 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0246 | 0.0243 | 0.0250 | 1.5 | 20 | 98.6 | X441005 - X410374-01 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0248 | 0.0250 | 0.0250 | 1.1 | 20 | 92.0 | X441005 - X410374-01 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0240 | 0.0236 | 0.0250 | 1.8 | 20 | 96.1 | X441005 - X410374-01 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0390 | 0.0384 | 0.0250 | 1.5 | 20 | 97.8 | X441005 - X410374-01 |  |

**Metals (Filtered)**

|           |         |      |         |         |         |     |    |     |                      |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|
| EPA 245.1 | Mercury | mg/L | 0.00206 | 0.00206 | 0.00200 | 0.2 | 20 | 103 | X439192 - X410336-02 |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|

**Classical Chemistry Parameters**

|            |                       |      |        |        |       |      |    |      |                      |    |
|------------|-----------------------|------|--------|--------|-------|------|----|------|----------------------|----|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.0870 | 0.0980 | 0.100 | 11.9 | 11 | 87.0 | X439155 - X410374-01 | R4 |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.100  | 0.101  | 0.100 | 1.0  | 20 | 100  | X440014 - X410374-01 |    |
| EPA 350.1  | Ammonia as N          | mg/L | 1.00   | 1.01   | 1.00  | 1.1  | 20 | 100  | X439148 - X410375-02 |    |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.108  | 0.0930 | 0.100 | 14.9 | 11 | 100  | X441035 - X410374-01 | R4 |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.0960 | 0.0950 | 0.100 | 1.1  | 11 | 92.0 | X442184 - X410146-01 |    |

**Anions by Ion Chromatography**

|           |                      |      |      |      |      |     |    |      |                      |  |
|-----------|----------------------|------|------|------|------|-----|----|------|----------------------|--|
| EPA 300.0 | Chloride             | mg/L | 4.33 | 4.23 | 3.00 | 2.4 | 20 | 103  | X439061 - X410358-02 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.06 | 2.01 | 2.00 | 2.2 | 20 | 103  | X439061 - X410358-02 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.03 | 1.98 | 2.00 | 2.5 | 20 | 99.6 | X439061 - X410358-02 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.09 | 4.00 | 4.00 | 2.4 | 20 | 102  | X439061 - X410358-02 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.06 | 2.01 | 2.00 | 2.4 | 20 | 103  | X439061 - X410358-02 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 12.2 | 11.9 | 10.0 | 1.9 | 20 | 102  | X439061 - X410358-02 |  |



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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410374**

Reported: 18-Oct-24 16:02

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**Notes and Definitions**

|         |                                                                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| H1      | Sample analysis performed past holding time.                                                                                                          |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time. |
| M1      | Matrix spike recovery was high, but the LCS recovery was acceptable.                                                                                  |
| M3      | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.        |
| R2B     | RPD exceeded the laboratory acceptance limit.                                                                                                         |
| R4      | MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.                                                                    |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                               |
| RPD     | Relative Percent Difference                                                                                                                           |
| UDL     | A result is less than the detection limit                                                                                                             |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                   |
| <RL     | A result is less than the reporting limit                                                                                                             |
| MRL     | Method Reporting Limit                                                                                                                                |
| MDL     | Method Detection Limit                                                                                                                                |
| N/A     | Not Applicable                                                                                                                                        |

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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0443**

Reported: 14-Oct-24 15:16

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| GVMW-34   | X4I0443-01    | Ground Water | 25-Sep-24 12:01 | JC         | 27-Sep-2024   |       |
| GVMW-37A  | X4I0443-02    | Ground Water | 25-Sep-24 13:38 | JC         | 27-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0443**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410443**

Reported: 14-Oct-24 15:16

Client Sample ID: **GVMW-34**

Sampled: 25-Sep-24 12:01

Received: 27-Sep-24

Sampled By: JC

SVL Sample ID: **X410443-01 (Ground Water)****Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                     |      |      |       |       |    |         |     |                |    |
|-----------|---------------------|------|------|-------|-------|----|---------|-----|----------------|----|
| EPA 200.7 | Calcium             | 647  | mg/L | 1.00  | 0.690 | 10 | X440081 | SJN | 10/07/24 17:55 | M4 |
| EPA 200.7 | Magnesium           | 277  | mg/L | 0.500 | 0.090 |    | X440081 | SJN | 10/07/24 16:22 | M3 |
| EPA 200.7 | Potassium           | 4.54 | mg/L | 0.50  | 0.18  |    | X440081 | SJN | 10/07/24 16:22 |    |
| SM 2340 B | Hardness (as CaCO3) | 2760 | mg/L | 4.56  | 2.09  |    | N/A     |     | 10/07/24 17:20 |    |

**Metals (Dissolved)**

|           |            |           |      |          |          |   |         |     |                |     |
|-----------|------------|-----------|------|----------|----------|---|---------|-----|----------------|-----|
| EPA 200.7 | Aluminum   | 7.50      | mg/L | 0.080    | 0.054    |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Barium     | 0.0339    | mg/L | 0.0020   | 0.0019   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Beryllium  | 0.00775   | mg/L | 0.00200  | 0.00080  |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Boron      | 0.0427    | mg/L | 0.0400   | 0.0078   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Cadmium    | 0.0282    | mg/L | 0.0020   | 0.0016   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Calcium    | 679       | mg/L | 0.100    | 0.069    |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Chromium   | < 0.0060  | mg/L | 0.0060   | 0.0020   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Cobalt     | 0.0277    | mg/L | 0.0060   | 0.0046   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Copper     | < 0.0100  | mg/L | 0.0100   | 0.0027   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Iron       | < 0.100   | mg/L | 0.100    | 0.056    |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Lead       | < 0.0075  | mg/L | 0.0075   | 0.0049   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Lithium    | 0.172     | mg/L | 0.040    | 0.025    |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Magnesium  | 262       | mg/L | 0.500    | 0.090    |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Manganese  | 43.4      | mg/L | 0.0080   | 0.0034   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Molybdenum | < 0.0080  | mg/L | 0.0080   | 0.0034   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Nickel     | 0.237     | mg/L | 0.0100   | 0.0048   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Potassium  | 4.42      | mg/L | 0.50     | 0.18     |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Silver     | < 0.0050  | mg/L | 0.0050   | 0.0019   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Sodium     | 44.9      | mg/L | 0.50     | 0.12     |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Vanadium   | < 0.0050  | mg/L | 0.0050   | 0.0019   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.7 | Zinc       | 4.23      | mg/L | 0.0100   | 0.0054   |   | X440158 | SJN | 10/07/24 17:20 |     |
| EPA 200.8 | Antimony   | < 0.00500 | mg/L | 0.00500  | 0.00360  | 5 | X441006 | SMU | 10/11/24 12:42 | D17 |
| EPA 200.8 | Arsenic    | < 0.00500 | mg/L | 0.00500  | 0.00105  | 5 | X441006 | SMU | 10/11/24 12:42 | D17 |
| EPA 200.8 | Selenium   | 0.00983   | mg/L | 0.00500  | 0.00120  | 5 | X441006 | SMU | 10/11/24 12:42 | D17 |
| EPA 200.8 | Thallium   | < 0.00100 | mg/L | 0.00100  | 0.000400 | 5 | X441006 | SMU | 10/11/24 12:42 | D17 |
| EPA 200.8 | Uranium    | 0.0154    | mg/L | 0.000500 | 0.000260 | 5 | X441006 | SMU | 10/11/24 12:42 | D17 |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439192 | MAC | 10/04/24 14:13 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |  |         |     |                |    |
|-------------|-------------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X439155 | DD  | 10/01/24 13:34 |    |
| EPA 335.4   | Cyanide (total)               | 0.0062   | mg/L          | 0.0050 | 0.0038 |  | X440014 | DD  | 10/01/24 13:41 |    |
| EPA 350.1   | Ammonia as N                  | < 0.030  | mg/L          | 0.030  | 0.013  |  | X440160 | DD  | 10/09/24 15:53 | M1 |
| OIA 1677    | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X441035 | DD  | 10/07/24 14:52 |    |
| SM 2310 B   | Acidity to pH 8.3             | -236     | mg/L as CaCO3 | 10.0   |        |  | X441055 | MWD | 10/08/24 12:54 |    |
| SM 2320 B   | Total Alkalinity              | 234      | mg/L as CaCO3 | 1.0    |        |  | X440088 | MWD | 10/02/24 14:40 |    |
| SM 2320 B   | Bicarbonate                   | 234      | mg/L as CaCO3 | 1.0    |        |  | X440088 | MWD | 10/02/24 14:40 |    |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X440088 | MWD | 10/02/24 14:40 |    |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X440088 | MWD | 10/02/24 14:40 |    |
| SM 2540 C   | Total Diss. Solids            | 4030     | mg/L          | 40     |        |  | X440008 | TJL | 10/01/24 12:35 |    |
| SM 2540 D   | Total Susp. Solids            | 15.0     | mg/L          | 5.0    |        |  | X440010 | TJL | 10/01/24 13:15 |    |
| SM 4500 H B | pH @19.9°C                    | 6.1      | pH Units      |        |        |  | X440088 | MWD | 10/02/24 14:40 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 12



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410443</b><br>Reported: 14-Oct-24 15:16 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-34**  
SVL Sample ID: **X410443-01 (Ground Water)**

Sampled: 25-Sep-24 12:01  
Received: 27-Sep-24  
Sampled By: JC

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 27.9    | mg/L  | 10.0  | 1.10  | 50       | X439178 | RS      | 09/27/24 10:29 |       |
| EPA 300.0                           | Fluoride             | 15.9    | mg/L  | 5.00  | 0.850 | 50       | X439178 | RS      | 09/27/24 10:29 |       |
| EPA 300.0                           | Nitrate as N         | 9.75    | mg/L  | 2.50  | 0.650 | 50       | X439178 | RS      | 09/27/24 10:29 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | 9.77    | mg/L  | 0.100 | 0.044 |          | X439178 | RS      | 09/27/24 10:11 |       |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X439178 | RS      | 09/27/24 10:11 |       |
| EPA 300.0                           | Sulfate as SO4       | 2650    | mg/L  | 30.0  | 18.0  | 100      | X439178 | RS      | 09/27/24 16:27 |       |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                      |                |
|------------------------|-----------------------|----------------------|----------------------|----------------|
| Cation Sum: 58.5 meq/L | Anion Sum: 62.2 meq/L | C/A Balance: -3.05 % | Calculated TDS: 3859 | TDS/cTDS: 1.04 |
|------------------------|-----------------------|----------------------|----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410443**

Reported: 14-Oct-24 15:16

Client Sample ID: **GVMW-37A**

Sampled: 25-Sep-24 13:38

Received: 27-Sep-24

Sampled By: JC

SVL Sample ID: **X410443-02 (Ground Water)****Sample Report Page 1 of 2**

| Method                                                                | Analyte                    | Result | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-----------------------------------------------------------------------|----------------------------|--------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                            |        |       |       |       |          |         |         |                |       |
| EPA 200.7                                                             | <b>Calcium</b>             | 86.8   | mg/L  | 0.100 | 0.069 |          | X440081 | SJN     | 10/07/24 16:26 |       |
| EPA 200.7                                                             | <b>Magnesium</b>           | 19.2   | mg/L  | 0.500 | 0.090 |          | X440081 | SJN     | 10/07/24 16:26 |       |
| EPA 200.7                                                             | <b>Potassium</b>           | 3.10   | mg/L  | 0.50  | 0.18  |          | X440081 | SJN     | 10/07/24 19:53 |       |
| SM 2340 B                                                             | <b>Hardness (as CaCO3)</b> | 296    | mg/L  | 2.31  | 0.543 |          | N/A     |         | 10/07/24 17:24 |       |

**Metals (Dissolved)**

|           |                   |            |      |          |          |  |         |     |                |  |
|-----------|-------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum          | < 0.080    | mg/L | 0.080    | 0.054    |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | <b>Barium</b>     | 0.125      | mg/L | 0.0020   | 0.0019   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Beryllium         | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Boron             | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Cadmium           | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | <b>Calcium</b>    | 93.7       | mg/L | 0.100    | 0.069    |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Chromium          | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Cobalt            | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Copper            | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Iron              | < 0.100    | mg/L | 0.100    | 0.056    |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Lead              | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Lithium           | < 0.040    | mg/L | 0.040    | 0.025    |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | <b>Magnesium</b>  | 19.6       | mg/L | 0.500    | 0.090    |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | <b>Manganese</b>  | 0.384      | mg/L | 0.0080   | 0.0034   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | <b>Molybdenum</b> | 0.0151     | mg/L | 0.0080   | 0.0034   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Nickel            | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | <b>Potassium</b>  | 1.97       | mg/L | 0.50     | 0.18     |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Silver            | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | <b>Sodium</b>     | 35.3       | mg/L | 0.50     | 0.12     |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Vanadium          | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.7 | Zinc              | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X440158 | SJN | 10/07/24 17:24 |  |
| EPA 200.8 | <b>Antimony</b>   | 0.00172    | mg/L | 0.00100  | 0.00072  |  | X441006 | SMU | 10/11/24 12:45 |  |
| EPA 200.8 | Arsenic           | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X441006 | SMU | 10/11/24 12:45 |  |
| EPA 200.8 | Selenium          | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X441006 | SMU | 10/11/24 12:45 |  |
| EPA 200.8 | Thallium          | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X441006 | SMU | 10/11/24 12:45 |  |
| EPA 200.8 | <b>Uranium</b>    | 0.00558    | mg/L | 0.000100 | 0.000052 |  | X441006 | SMU | 10/11/24 12:45 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439192 | MAC | 10/04/24 14:15 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |  |         |     |                |     |
|-------------|-------------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|-----|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X439155 | DD  | 10/01/24 13:36 |     |
| EPA 335.4   | Cyanide (total)               | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X440014 | DD  | 10/01/24 13:43 |     |
| EPA 350.1   | Ammonia as N                  | < 0.030  | mg/L          | 0.030  | 0.013  |  | X440160 | DD  | 10/09/24 15:55 |     |
| OIA 1677    | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X441035 | DD  | 10/07/24 14:54 |     |
| SM 2310 B   | <b>Acidity to pH 8.3</b>      | -118     | mg/L as CaCO3 | 10.0   |        |  | X441055 | MWD | 10/08/24 12:54 |     |
| SM 2320 B   | <b>Total Alkalinity</b>       | 111      | mg/L as CaCO3 | 1.0    |        |  | X440088 | MWD | 10/02/24 14:45 |     |
| SM 2320 B   | <b>Bicarbonate</b>            | 111      | mg/L as CaCO3 | 1.0    |        |  | X440088 | MWD | 10/02/24 14:45 |     |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X440088 | MWD | 10/02/24 14:45 |     |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X440088 | MWD | 10/02/24 14:45 |     |
| SM 2540 C   | <b>Total Diss. Solids</b>     | 560      | mg/L          | 10     |        |  | X440008 | TJL | 10/01/24 12:35 |     |
| SM 2540 D   | <b>Total Susp. Solids</b>     | 7.0      | mg/L          | 5.0    |        |  | X440010 | TJL | 10/01/24 13:15 | R2B |
| SM 4500 H B | <b>pH @19.9°C</b>             | 7.8      | pH Units      |        |        |  | X440088 | MWD | 10/02/24 14:45 | H5  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 12



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410443**

Reported: 14-Oct-24 15:16

Client Sample ID: **GVMW-37A**SVL Sample ID: **X410443-02 (Ground Water)**

Sampled: 25-Sep-24 13:38

Received: 27-Sep-24

Sampled By: JC

**Sample Report Page 2 of 2**

| Method                              | Analyte                     | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|-----------------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                             |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | <b>Chloride</b>             | 4.33    | mg/L  | 0.20  | 0.02  |          | X439178 | RS      | 09/27/24 10:48 |       |
| EPA 300.0                           | <b>Fluoride</b>             | 1.34    | mg/L  | 0.100 | 0.017 |          | X439178 | RS      | 09/27/24 10:48 |       |
| EPA 300.0                           | <b>Nitrate as N</b>         | 0.083   | mg/L  | 0.050 | 0.013 |          | X439178 | RS      | 09/27/24 10:48 |       |
| EPA 300.0                           | <b>Nitrate+Nitrite as N</b> | 0.120   | mg/L  | 0.100 | 0.044 |          | X439178 | RS      | 09/27/24 10:48 |       |
| EPA 300.0                           | Nitrite as N                | < 0.050 | mg/L  | 0.050 | 0.031 |          | X439178 | RS      | 09/27/24 10:48 |       |
| EPA 300.0                           | <b>Sulfate as SO4</b>       | 291     | mg/L  | 7.50  | 4.50  | 25       | X439178 | RS      | 09/27/24 15:32 |       |

**Cation/Anion Balance and TDS Ratios**

Cation Sum: 7.53 meq/L

Anion Sum: 8.48 meq/L

C/A Balance: -5.95 %

Calculated TDS: 511

TDS/cTDS: 1.10

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410443**

Reported: 14-Oct-24 15:16

**Quality Control - BLANK Data**

| Method                                                                | Analyte               | Units         | Result    | MDL      | MRL      | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|---------------|-----------|----------|----------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X440081  | 07-Oct-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X440081  | 07-Oct-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X440081  | 07-Oct-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L          | <0.080    | 0.054    | 0.080    | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Barium                | mg/L          | <0.0020   | 0.0019   | 0.0020   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L          | <0.00200  | 0.00080  | 0.00200  | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L          | <0.0400   | 0.0078   | 0.0400   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Cadmium               | mg/L          | <0.0020   | 0.0016   | 0.0020   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L          | <0.0060   | 0.0020   | 0.0060   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Cobalt                | mg/L          | <0.0060   | 0.0046   | 0.0060   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Copper                | mg/L          | <0.0100   | 0.0027   | 0.0100   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L          | <0.100    | 0.056    | 0.100    | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Lead                  | mg/L          | <0.0075   | 0.0049   | 0.0075   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Lithium               | mg/L          | <0.040    | 0.025    | 0.040    | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L          | <0.0080   | 0.0034   | 0.0080   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L          | <0.0080   | 0.0034   | 0.0080   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L          | <0.0100   | 0.0048   | 0.0100   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Silver                | mg/L          | <0.0050   | 0.0019   | 0.0050   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L          | <0.50     | 0.12     | 0.50     | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Vanadium              | mg/L          | <0.0050   | 0.0019   | 0.0050   | X440158  | 07-Oct-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L          | <0.0100   | 0.0054   | 0.0100   | X440158  | 07-Oct-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X441006  | 14-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X441006  | 14-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X441006  | 14-Oct-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X441006  | 14-Oct-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X441006  | 14-Oct-24 |       |
| <b>Metals (Filtered)</b>                                              |                       |               |           |          |          |          |           |       |
| EPA 245.1                                                             | Mercury               | mg/L          | <0.000200 | 0.000093 | 0.000200 | X439192  | 04-Oct-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |               |           |          |          |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L          | <0.0050   | 0.0048   | 0.0050   | X439155  | 01-Oct-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L          | <0.0050   | 0.0038   | 0.0050   | X440014  | 01-Oct-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | <0.030    | 0.013    | 0.030    | X440160  | 09-Oct-24 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L          | <0.0050   | 0.0010   | 0.0050   | X441035  | 07-Oct-24 |       |
| SM 2310 B                                                             | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0     |          | 10.0     | X441055  | 08-Oct-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | <1.0      |          | 1.0      | X440088  | 02-Oct-24 |       |
| SM 2320 B                                                             | Bicarbonate           | mg/L as CaCO3 | <1.0      |          | 1.0      | X440088  | 02-Oct-24 |       |
| SM 2320 B                                                             | Carbonate             | mg/L as CaCO3 | <1.0      |          | 1.0      | X440088  | 02-Oct-24 |       |
| SM 2320 B                                                             | Hydroxide             | mg/L as CaCO3 | <1.0      |          | 1.0      | X440088  | 02-Oct-24 |       |
| SM 2540 C                                                             | Total Diss. Solids    | mg/L          | <10       |          | 10       | X440008  | 01-Oct-24 |       |
| SM 2540 D                                                             | Total Susp. Solids    | mg/L          | <5.0      |          | 5.0      | X440010  | 01-Oct-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 12

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410443**

Reported: 14-Oct-24 15:16

**Quality Control - BLANK Data (Continued)**

| Method                              | Analyte              | Units | Result | MDL   | MRL   | Batch ID | Analyzed  | Notes |
|-------------------------------------|----------------------|-------|--------|-------|-------|----------|-----------|-------|
| <b>Anions by Ion Chromatography</b> |                      |       |        |       |       |          |           |       |
| EPA 300.0                           | Chloride             | mg/L  | <0.20  | 0.02  | 0.20  | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Fluoride             | mg/L  | <0.100 | 0.017 | 0.100 | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Nitrate as N         | mg/L  | <0.050 | 0.013 | 0.050 | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | mg/L  | <0.100 | 0.044 | 0.100 | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Nitrite as N         | mg/L  | <0.050 | 0.031 | 0.050 | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Sulfate as SO4       | mg/L  | <0.30  | 0.18  | 0.30  | X439178  | 27-Sep-24 |       |

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method                                                                | Analyte   | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------|-------|------------|----------|--------|-------------------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |           |       |            |          |        |                   |          |           |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 18.8       | 20.0     | 94     | 85 - 115          | X440081  | 07-Oct-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 19.0       | 20.0     | 94.9   | 85 - 115          | X440081  | 07-Oct-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 19.6       | 20.0     | 98.1   | 85 - 115          | X440081  | 07-Oct-24 |       |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 0.922  | 1.00   | 92.2 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.956  | 1.00   | 95.6 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 0.940  | 1.00   | 94.0 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.935  | 1.00   | 93.5 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.931  | 1.00   | 93.1 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Calcium    | mg/L | 18.9   | 20.0   | 94.3 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.936  | 1.00   | 93.6 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.922  | 1.00   | 92.2 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Copper     | mg/L | 0.928  | 1.00   | 92.8 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.58   | 10.0   | 95.8 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.917  | 1.00   | 91.7 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.936  | 1.00   | 93.6 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 18.6   | 20.0   | 92.8 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.916  | 1.00   | 91.6 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.948  | 1.00   | 94.8 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.919  | 1.00   | 91.9 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.3   | 20.0   | 96.6 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0486 | 0.0500 | 97.3 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Sodium     | mg/L | 18.3   | 19.0   | 96.4 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 0.943  | 1.00   | 94.3 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.931  | 1.00   | 93.1 | 85 - 115 | X440158 | 07-Oct-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0239 | 0.0250 | 95.5 | 85 - 115 | X441006 | 11-Oct-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0244 | 0.0250 | 97.7 | 85 - 115 | X441006 | 11-Oct-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0256 | 0.0250 | 102  | 85 - 115 | X441006 | 11-Oct-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0226 | 0.0250 | 90.3 | 85 - 115 | X441006 | 11-Oct-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0232 | 0.0250 | 92.7 | 85 - 115 | X441006 | 11-Oct-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |     |          |         |           |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00204 | 0.00200 | 102 | 85 - 115 | X439192 | 04-Oct-24 |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |        |       |      |            |         |           |  |
|------------|-----------------------|---------------|--------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.104  | 0.100 | 104  | 90 - 110   | X439155 | 01-Oct-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.0995 | 0.100 | 99.5 | 90 - 110   | X440014 | 01-Oct-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 1.07   | 1.00  | 107  | 90 - 110   | X440160 | 09-Oct-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.0990 | 0.100 | 99.0 | 90 - 110   | X441035 | 07-Oct-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897    | 884   | 102  | 95.4 - 104 | X441055 | 08-Oct-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 9.70   | 9.93  | 97.7 | 96.4 - 105 | X440088 | 02-Oct-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 99.8   | 99.3  | 101  | 96.4 - 105 | X440088 | 02-Oct-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 7 of 12

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410443**

Reported: 14-Oct-24 15:16

**Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Classical Chemistry Parameters (Continued)**

|           |                    |                           |      |      |     |            |         |           |  |
|-----------|--------------------|---------------------------|------|------|-----|------------|---------|-----------|--|
| SM 2320 B | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 416  | 397  | 105 | 96.4 - 105 | X440088 | 02-Oct-24 |  |
| SM 2540 D | Total Susp. Solids | mg/L                      | 10.0 | 10.0 | 100 | 85 - 115   | X440010 | 01-Oct-24 |  |

**Anions by Ion Chromatography**

|           |                            |      |      |      |     |          |         |           |  |
|-----------|----------------------------|------|------|------|-----|----------|---------|-----------|--|
| EPA 300.0 | Chloride                   | mg/L | 3.05 | 3.00 | 102 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Fluoride                   | mg/L | 2.05 | 2.00 | 103 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Nitrate as N               | mg/L | 2.04 | 2.00 | 102 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N       | mg/L | 4.62 | 4.50 | 103 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Nitrite as N               | mg/L | 2.58 | 2.50 | 103 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Sulfate as SO <sub>4</sub> | mg/L | 10.2 | 10.0 | 102 | 90 - 110 | X439178 | 27-Sep-24 |  |

**Quality Control - DUPLICATE Data**

| Method | Analyte | Units | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|

**Classical Chemistry Parameters**

|             |                    |                           |       |       |      |    |                      |           |     |
|-------------|--------------------|---------------------------|-------|-------|------|----|----------------------|-----------|-----|
| SM 2310 B   | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | <10.0 | <10.0 | UDL  | 20 | X441055 - X410433-01 | 08-Oct-24 |     |
| SM 2320 B   | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 157   | 160   | 1.3  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |
| SM 2320 B   | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 157   | 160   | 1.3  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |
| SM 2320 B   | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0  | <1.0  | UDL  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |
| SM 2320 B   | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0  | <1.0  | UDL  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |
| SM 2540 C   | Total Diss. Solids | mg/L                      | 556   | 560   | 0.7  | 10 | X440008 - X410443-02 | 01-Oct-24 |     |
| SM 2540 D   | Total Susp. Solids | mg/L                      | 10.0  | 7.0   | 35.3 | 10 | X440010 - X410443-02 | 01-Oct-24 | R2B |
| SM 4500 H B | pH @19.7°C         | pH Units                  | 8.1   | 8.1   | 0.0  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |

**Quality Control - MATRIX SPIKE Data**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |         |          |                      |           |    |
|-----------|-----------|------|------|------|------|---------|----------|----------------------|-----------|----|
| EPA 200.7 | Calcium   | mg/L | 26.5 | 7.75 | 20.0 | 94      | 70 - 130 | X440081 - X410492-07 | 07-Oct-24 |    |
| EPA 200.7 | Calcium   | mg/L | 684  | 647  | 20.0 | 0.30R>S | 70 - 130 | X440081 - X410443-01 | 07-Oct-24 | M4 |
| EPA 200.7 | Magnesium | mg/L | 288  | 277  | 20.0 | 0.30R>S | 70 - 130 | X440081 - X410443-01 | 07-Oct-24 | M3 |
| EPA 200.7 | Magnesium | mg/L | 21.3 | 2.48 | 20.0 | 94.3    | 70 - 130 | X440081 - X410492-07 | 07-Oct-24 |    |
| EPA 200.7 | Potassium | mg/L | 25.7 | 4.54 | 20.0 | 106     | 70 - 130 | X440081 - X410443-01 | 07-Oct-24 |    |
| EPA 200.7 | Potassium | mg/L | 20.5 | 0.66 | 20.0 | 99.2    | 70 - 130 | X440081 - X410492-07 | 07-Oct-24 |    |

**Metals (Dissolved)**

|           |           |      |       |          |      |      |          |                      |           |  |
|-----------|-----------|------|-------|----------|------|------|----------|----------------------|-----------|--|
| EPA 200.7 | Aluminum  | mg/L | 0.964 | <0.080   | 1.00 | 96.4 | 70 - 130 | X440158 - X410445-01 | 07-Oct-24 |  |
| EPA 200.7 | Aluminum  | mg/L | 0.937 | <0.080   | 1.00 | 93.7 | 70 - 130 | X440158 - X410448-11 | 07-Oct-24 |  |
| EPA 200.7 | Barium    | mg/L | 0.964 | 0.0154   | 1.00 | 94.8 | 70 - 130 | X440158 - X410445-01 | 07-Oct-24 |  |
| EPA 200.7 | Barium    | mg/L | 1.05  | 0.0951   | 1.00 | 95.1 | 70 - 130 | X440158 - X410448-11 | 07-Oct-24 |  |
| EPA 200.7 | Beryllium | mg/L | 1.02  | <0.00200 | 1.00 | 102  | 70 - 130 | X440158 - X410445-01 | 07-Oct-24 |  |
| EPA 200.7 | Beryllium | mg/L | 0.994 | <0.00200 | 1.00 | 99.4 | 70 - 130 | X440158 - X410448-11 | 07-Oct-24 |  |
| EPA 200.7 | Boron     | mg/L | 1.00  | 0.0408   | 1.00 | 96.2 | 70 - 130 | X440158 - X410445-01 | 07-Oct-24 |  |
| EPA 200.7 | Boron     | mg/L | 0.988 | <0.0400  | 1.00 | 95.5 | 70 - 130 | X440158 - X410448-11 | 07-Oct-24 |  |
| EPA 200.7 | Cadmium   | mg/L | 0.958 | <0.0020  | 1.00 | 95.8 | 70 - 130 | X440158 - X410445-01 | 07-Oct-24 |  |
| EPA 200.7 | Cadmium   | mg/L | 0.952 | <0.0020  | 1.00 | 95.2 | 70 - 130 | X440158 - X410448-11 | 07-Oct-24 |  |
| EPA 200.7 | Calcium   | mg/L | 383   | 366      | 20.0 | 84.6 | 70 - 130 | X440158 - X410445-01 | 07-Oct-24 |  |
| EPA 200.7 | Calcium   | mg/L | 232   | 216      | 20.0 | 77.6 | 70 - 130 | X440158 - X410448-11 | 07-Oct-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 12

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410443**

Reported: 14-Oct-24 15:16

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte    | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|------------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |            |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                             | Chromium   | mg/L  | 0.994        | <0.0060           | 1.00            | 99.4   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Chromium   | mg/L  | 0.965        | <0.0060           | 1.00            | 96.5   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Cobalt     | mg/L  | 0.953        | <0.0060           | 1.00            | 95.3   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Cobalt     | mg/L  | 0.928        | <0.0060           | 1.00            | 92.8   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Copper     | mg/L  | 1.04         | <0.0100           | 1.00            | 103    | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Copper     | mg/L  | 0.975        | <0.0100           | 1.00            | 97.5   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Iron       | mg/L  | 9.71         | <0.100            | 10.0            | 97.1   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Iron       | mg/L  | 9.80         | 0.181             | 10.0            | 96.2   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Lead       | mg/L  | 0.948        | <0.0075           | 1.00            | 94.8   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Lead       | mg/L  | 0.937        | <0.0075           | 1.00            | 93.7   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Lithium    | mg/L  | 1.06         | <0.040            | 1.00            | 106    | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Lithium    | mg/L  | 1.01         | <0.040            | 1.00            | 101    | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Magnesium  | mg/L  | 111          | 91.8              | 20.0            | 96.7   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Magnesium  | mg/L  | 29.6         | 10.8              | 20.0            | 94.3   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Manganese  | mg/L  | 1.00         | 0.0315            | 1.00            | 97.3   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Manganese  | mg/L  | 1.39         | 0.450             | 1.00            | 93.6   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Molybdenum | mg/L  | 1.00         | <0.0080           | 1.00            | 100    | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Molybdenum | mg/L  | 0.977        | <0.0080           | 1.00            | 97.7   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Nickel     | mg/L  | 0.953        | <0.0100           | 1.00            | 95.3   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Nickel     | mg/L  | 0.930        | <0.0100           | 1.00            | 93.0   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Potassium  | mg/L  | 20.9         | 1.04              | 20.0            | 99.3   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Potassium  | mg/L  | 20.8         | 1.00              | 20.0            | 98.9   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Silver     | mg/L  | 0.0465       | <0.0050           | 0.0500          | 93.1   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Silver     | mg/L  | 0.0459       | <0.0050           | 0.0500          | 91.7   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Sodium     | mg/L  | 48.6         | 30.1              | 19.0            | 97.6   | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Sodium     | mg/L  | 37.3         | 19.1              | 19.0            | 95.9   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Vanadium   | mg/L  | 1.02         | <0.0050           | 1.00            | 102    | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Vanadium   | mg/L  | 0.986        | <0.0050           | 1.00            | 98.4   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.7                             | Zinc       | mg/L  | 1.03         | 0.0260            | 1.00            | 100    | 70 - 130          | X440158 - X4I0445-01 | 07-Oct-24 |       |
| EPA 200.7                             | Zinc       | mg/L  | 0.973        | <0.0100           | 1.00            | 97.3   | 70 - 130          | X440158 - X4I0448-11 | 07-Oct-24 |       |
| EPA 200.8                             | Antimony   | mg/L  | 0.0248       | <0.00200          | 0.0250          | 99.2   | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Antimony   | mg/L  | 0.0243       | <0.00200          | 0.0250          | 97.1   | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |
| EPA 200.8                             | Arsenic    | mg/L  | 0.0272       | 0.00303           | 0.0250          | 96.7   | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Arsenic    | mg/L  | 0.0491       | 0.0250            | 0.0250          | 96.3   | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |
| EPA 200.8                             | Selenium   | mg/L  | 0.0262       | <0.00200          | 0.0250          | 105    | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Selenium   | mg/L  | 0.0665       | 0.0438            | 0.0250          | 90.7   | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |
| EPA 200.8                             | Thallium   | mg/L  | 0.0234       | <0.000400         | 0.0250          | 93.7   | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Thallium   | mg/L  | 0.0255       | 0.00117           | 0.0250          | 97.4   | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |
| EPA 200.8                             | Uranium    | mg/L  | 0.0244       | <0.000200         | 0.0250          | 97.6   | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Uranium    | mg/L  | 0.0650       | 0.0400            | 0.0250          | 99.9   | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |

**Metals (Filtered)**

|           |         |      |         |           |         |     |          |                      |           |  |
|-----------|---------|------|---------|-----------|---------|-----|----------|----------------------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00206 | <0.000200 | 0.00200 | 103 | 70 - 130 | X439192 - X4I0336-02 | 04-Oct-24 |  |
| EPA 245.1 | Mercury | mg/L | 0.00212 | <0.000200 | 0.00200 | 106 | 70 - 130 | X439192 - X4I0381-02 | 04-Oct-24 |  |

**Classical Chemistry Parameters**

|            |                       |      |        |         |       |      |          |                      |           |    |
|------------|-----------------------|------|--------|---------|-------|------|----------|----------------------|-----------|----|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.0980 | <0.0050 | 0.100 | 98.0 | 79 - 121 | X439155 - X4I0374-01 | 01-Oct-24 | R4 |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.101  | <0.0050 | 0.100 | 101  | 90 - 110 | X440014 - X4I0374-01 | 01-Oct-24 |    |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.102  | <0.0050 | 0.100 | 102  | 90 - 110 | X440014 - X4I0375-01 | 01-Oct-24 |    |
| EPA 350.1  | Ammonia as N          | mg/L | 1.19   | <0.030  | 1.00  | 117  | 90 - 110 | X440160 - X4I0443-01 | 09-Oct-24 | M1 |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410443**

Reported: 14-Oct-24 15:16

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Classical Chemistry Parameters (Continued)**

|           |               |      |        |        |       |      |          |                      |           |    |
|-----------|---------------|------|--------|--------|-------|------|----------|----------------------|-----------|----|
| EPA 350.1 | Ammonia as N  | mg/L | 1.11   | <0.030 | 1.00  | 109  | 90 - 110 | X440160 - X410443-02 | 09-Oct-24 |    |
| OIA 1677  | Cyanide (WAD) | mg/L | 0.0930 | 0.0080 | 0.100 | 85.0 | 82 - 118 | X441035 - X410374-01 | 07-Oct-24 | R4 |

**Anions by Ion Chromatography**

|           |                      |      |      |        |      |         |          |                      |           |    |
|-----------|----------------------|------|------|--------|------|---------|----------|----------------------|-----------|----|
| EPA 300.0 | Chloride             | mg/L | 3.27 | 0.27   | 3.00 | 99.9    | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Chloride             | mg/L | 5.07 | 1.98   | 3.00 | 103     | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Fluoride             | mg/L | 2.18 | <0.100 | 2.00 | 107     | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Fluoride             | mg/L | 2.12 | 0.141  | 2.00 | 98.9    | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Nitrate as N         | mg/L | 2.00 | <0.050 | 2.00 | 99.8    | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Nitrate as N         | mg/L | 1.98 | <0.050 | 2.00 | 99.0    | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.03 | <0.100 | 4.00 | 101     | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 3.99 | <0.100 | 4.00 | 99.7    | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Nitrite as N         | mg/L | 2.04 | <0.050 | 2.00 | 102     | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Nitrite as N         | mg/L | 2.01 | <0.050 | 2.00 | 100     | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Sulfate as SO4       | mg/L | 11.7 | 1.20   | 10.0 | 105     | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Sulfate as SO4       | mg/L | 111  | 103    | 10.0 | 0.30R>S | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 | M4 |

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |     |    |         |                      |    |
|-----------|-----------|------|------|------|------|-----|----|---------|----------------------|----|
| EPA 200.7 | Calcium   | mg/L | 674  | 684  | 20.0 | 1.0 | 20 | 0.30R>S | X440081 - X410443-01 | M4 |
| EPA 200.7 | Magnesium | mg/L | 286  | 288  | 20.0 | 0.7 | 20 | 0.30R>S | X440081 - X410443-01 | M3 |
| EPA 200.7 | Potassium | mg/L | 25.3 | 25.7 | 20.0 | 1.6 | 20 | 104     | X440081 - X410443-01 |    |

**Metals (Dissolved)**

|           |            |      |        |        |        |     |    |      |                      |     |
|-----------|------------|------|--------|--------|--------|-----|----|------|----------------------|-----|
| EPA 200.7 | Aluminum   | mg/L | 0.961  | 0.964  | 1.00   | 0.3 | 20 | 96.1 | X440158 - X410445-01 |     |
| EPA 200.7 | Barium     | mg/L | 0.968  | 0.964  | 1.00   | 0.5 | 20 | 95.3 | X440158 - X410445-01 |     |
| EPA 200.7 | Beryllium  | mg/L | 0.992  | 1.02   | 1.00   | 2.4 | 20 | 99.2 | X440158 - X410445-01 |     |
| EPA 200.7 | Boron      | mg/L | 1.00   | 1.00   | 1.00   | 0.0 | 20 | 96.2 | X440158 - X410445-01 |     |
| EPA 200.7 | Cadmium    | mg/L | 0.946  | 0.958  | 1.00   | 1.3 | 20 | 94.6 | X440158 - X410445-01 |     |
| EPA 200.7 | Calcium    | mg/L | 382    | 383    | 20.0   | 0.2 | 20 | 80.7 | X440158 - X410445-01 |     |
| EPA 200.7 | Chromium   | mg/L | 0.976  | 0.994  | 1.00   | 1.9 | 20 | 97.6 | X440158 - X410445-01 |     |
| EPA 200.7 | Cobalt     | mg/L | 0.938  | 0.953  | 1.00   | 1.5 | 20 | 93.8 | X440158 - X410445-01 |     |
| EPA 200.7 | Copper     | mg/L | 1.01   | 1.04   | 1.00   | 2.2 | 20 | 101  | X440158 - X410445-01 |     |
| EPA 200.7 | Iron       | mg/L | 9.75   | 9.71   | 10.0   | 0.4 | 20 | 97.5 | X440158 - X410445-01 |     |
| EPA 200.7 | Lead       | mg/L | 0.934  | 0.948  | 1.00   | 1.6 | 20 | 93.4 | X440158 - X410445-01 |     |
| EPA 200.7 | Lithium    | mg/L | 1.06   | 1.06   | 1.00   | 0.4 | 20 | 106  | X440158 - X410445-01 |     |
| EPA 200.7 | Magnesium  | mg/L | 111    | 111    | 20.0   | 0.2 | 20 | 97.8 | X440158 - X410445-01 |     |
| EPA 200.7 | Manganese  | mg/L | 0.986  | 1.00   | 1.00   | 1.8 | 20 | 95.5 | X440158 - X410445-01 |     |
| EPA 200.7 | Molybdenum | mg/L | 0.987  | 1.00   | 1.00   | 1.5 | 20 | 98.7 | X440158 - X410445-01 |     |
| EPA 200.7 | Nickel     | mg/L | 0.938  | 0.953  | 1.00   | 1.6 | 20 | 93.8 | X440158 - X410445-01 |     |
| EPA 200.7 | Potassium  | mg/L | 20.9   | 20.9   | 20.0   | 0.0 | 20 | 99.3 | X440158 - X410445-01 |     |
| EPA 200.7 | Silver     | mg/L | 0.0466 | 0.0465 | 0.0500 | 0.0 | 20 | 93.1 | X440158 - X410445-01 |     |
| EPA 200.7 | Sodium     | mg/L | 48.5   | 48.6   | 19.0   | 0.3 | 20 | 97.0 | X440158 - X410445-01 |     |
| EPA 200.7 | Vanadium   | mg/L | 0.999  | 1.02   | 1.00   | 2.1 | 20 | 99.9 | X440158 - X410445-01 |     |
| EPA 200.7 | Zinc       | mg/L | 1.01   | 1.03   | 1.00   | 1.5 | 20 | 98.5 | X440158 - X410445-01 |     |
| EPA 200.8 | Antimony   | mg/L | 0.0251 | 0.0248 | 0.0250 | 1.2 | 20 | 100  | X441006 - X410421-01 | D17 |
| EPA 200.8 | Arsenic    | mg/L | 0.0274 | 0.0272 | 0.0250 | 0.6 | 20 | 97.4 | X441006 - X410421-01 | D17 |
| EPA 200.8 | Selenium   | mg/L | 0.0255 | 0.0262 | 0.0250 | 2.8 | 20 | 102  | X441006 - X410421-01 | D17 |
| EPA 200.8 | Thallium   | mg/L | 0.0231 | 0.0234 | 0.0250 | 1.3 | 20 | 92.5 | X441006 - X410421-01 | D17 |
| EPA 200.8 | Uranium    | mg/L | 0.0240 | 0.0244 | 0.0250 | 1.6 | 20 | 96.0 | X441006 - X410421-01 | D17 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 10 of 12



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Kellogg, ID 83837-0929  
(208) 784-1258  
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|                                  |  |  |  |                                                        |  |  |  |
|----------------------------------|--|--|--|--------------------------------------------------------|--|--|--|
| Newmont - Cripple Creek & Victor |  |  |  | Project Name: Cripple Creek/Victor Water and Soil 2024 |  |  |  |
| Post Office Box 191              |  |  |  | Work Order: X410443                                    |  |  |  |
| Victor, CO 80860                 |  |  |  | Reported: 14-Oct-24 15:16                              |  |  |  |

| Quality Control - MATRIX SPIKE DUPLICATE Data (Continued) |                       |       |            |              |             |      |           |            |                      |       |
|-----------------------------------------------------------|-----------------------|-------|------------|--------------|-------------|------|-----------|------------|----------------------|-------|
| Method                                                    | Analyte               | Units | MSD Result | Spike Result | Spike Level | RPD  | RPD Limit | % Recovery | Batch and Source ID  | Notes |
| Metals (Filtered)                                         |                       |       |            |              |             |      |           |            |                      |       |
| EPA 245.1                                                 | Mercury               | mg/L  | 0.00206    | 0.00206      | 0.00200     | 0.2  | 20        | 103        | X439192 - X4I0336-02 |       |
| Classical Chemistry Parameters                            |                       |       |            |              |             |      |           |            |                      |       |
| ASTM D7237                                                | Cyanide (free) @ pH 6 | mg/L  | 0.0870     | 0.0980       | 0.100       | 11.9 | 11        | 87.0       | X439155 - X4I0374-01 | R4    |
| EPA 335.4                                                 | Cyanide (total)       | mg/L  | 0.100      | 0.101        | 0.100       | 1.0  | 20        | 100        | X440014 - X4I0374-01 |       |
| EPA 350.1                                                 | Ammonia as N          | mg/L  | 1.16       | 1.19         | 1.00        | 2.3  | 20        | 114        | X440160 - X4I0443-01 | M1    |
| OIA 1677                                                  | Cyanide (WAD)         | mg/L  | 0.108      | 0.0930       | 0.100       | 14.9 | 11        | 100        | X441035 - X4I0374-01 | R4    |
| Anions by Ion Chromatography                              |                       |       |            |              |             |      |           |            |                      |       |
| EPA 300.0                                                 | Chloride              | mg/L  | 3.25       | 3.27         | 3.00        | 0.5  | 20        | 99.4       | X439178 - X4I0421-01 |       |
| EPA 300.0                                                 | Fluoride              | mg/L  | 2.03       | 2.18         | 2.00        | 7.3  | 20        | 98.9       | X439178 - X4I0421-01 |       |
| EPA 300.0                                                 | Nitrate as N          | mg/L  | 1.99       | 2.00         | 2.00        | 0.2  | 20        | 99.7       | X439178 - X4I0421-01 |       |
| EPA 300.0                                                 | Nitrate+Nitrite as N  | mg/L  | 4.02       | 4.03         | 4.00        | 0.2  | 20        | 101        | X439178 - X4I0421-01 |       |
| EPA 300.0                                                 | Nitrite as N          | mg/L  | 2.03       | 2.04         | 2.00        | 0.3  | 20        | 102        | X439178 - X4I0421-01 |       |
| EPA 300.0                                                 | Sulfate as SO4        | mg/L  | 11.5       | 11.7         | 10.0        | 1.8  | 20        | 103        | X439178 - X4I0421-01 |       |



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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410443**

Reported: 14-Oct-24 15:16

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**Notes and Definitions**

|         |                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D17     | Due to an internal standard failure at a lower dilution, a sample dilution was performed.                                                                            |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.                |
| M1      | Matrix spike recovery was high, but the LCS recovery was acceptable.                                                                                                 |
| M3      | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.                       |
| M4      | The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable. |
| R2B     | RPD exceeded the laboratory acceptance limit.                                                                                                                        |
| R4      | MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.                                                                                   |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                                              |
| RPD     | Relative Percent Difference                                                                                                                                          |
| UDL     | A result is less than the detection limit                                                                                                                            |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                                  |
| <RL     | A result is less than the reporting limit                                                                                                                            |
| MRL     | Method Reporting Limit                                                                                                                                               |
| MDL     | Method Detection Limit                                                                                                                                               |
| N/A     | Not Applicable                                                                                                                                                       |

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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0444**

Reported: 14-Oct-24 15:28

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| GVMW-28   | X4I0444-01    | Ground Water | 26-Sep-24 11:20 | JC         | 27-Sep-2024   |       |
| GVMW-33   | X4I0444-02    | Ground Water | 26-Sep-24 12:17 | JC         | 27-Sep-2024   |       |
| GVMW-30   | X4I0444-03    | Ground Water | 26-Sep-24 13:31 | JC         | 27-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0444**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410444**

Reported: 14-Oct-24 15:28

Client Sample ID: **GVMW-28**

Sampled: 26-Sep-24 11:20

Received: 27-Sep-24

Sampled By: JC

SVL Sample ID: **X410444-01 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                     |        |      |      |       |    |         |     |                |     |
|-----------|---------------------|--------|------|------|-------|----|---------|-----|----------------|-----|
| EPA 200.7 | Calcium             | 504    | mg/L | 1.00 | 0.690 | 10 | X440081 | SJN | 10/07/24 17:59 | D15 |
| EPA 200.7 | Magnesium           | 571    | mg/L | 5.00 | 0.900 | 10 | X440081 | SJN | 10/07/24 17:59 | D15 |
| EPA 200.7 | Potassium           | < 5.00 | mg/L | 5.00 | 1.80  | 10 | X440081 | SJN | 10/07/24 20:08 | D15 |
| SM 2340 B | Hardness (as CaCO3) | 3530   | mg/L | 20.8 | 3.88  |    | N/A     |     | 10/07/24 22:08 |     |

**Metals (Dissolved)**

|           |            |           |      |         |          |    |         |     |                |     |
|-----------|------------|-----------|------|---------|----------|----|---------|-----|----------------|-----|
| EPA 200.7 | Aluminum   | 1870      | mg/L | 0.800   | 0.540    | 10 | X440106 | SJN | 10/07/24 22:28 |     |
| EPA 200.7 | Barium     | 0.0168    | mg/L | 0.0020  | 0.0019   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Beryllium  | 0.913     | mg/L | 0.00200 | 0.00080  |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Boron      | 0.0694    | mg/L | 0.0400  | 0.0078   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Cadmium    | 3.17      | mg/L | 0.0020  | 0.0016   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Calcium    | 472       | mg/L | 0.100   | 0.069    |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Chromium   | 0.515     | mg/L | 0.0060  | 0.0020   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Cobalt     | 3.75      | mg/L | 0.0060  | 0.0046   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Copper     | 11.8      | mg/L | 0.0100  | 0.0027   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Iron       | 344       | mg/L | 0.100   | 0.056    |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Lead       | 0.0505    | mg/L | 0.0075  | 0.0049   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Lithium    | 0.492     | mg/L | 0.040   | 0.025    |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Magnesium  | 595       | mg/L | 0.500   | 0.090    |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Manganese  | 439       | mg/L | 0.0800  | 0.0340   | 10 | X440106 | SJN | 10/07/24 22:28 |     |
| EPA 200.7 | Molybdenum | < 0.0080  | mg/L | 0.0080  | 0.0034   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Nickel     | 4.73      | mg/L | 0.0100  | 0.0048   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Potassium  | 2.83      | mg/L | 0.50    | 0.18     |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Silver     | 0.0109    | mg/L | 0.0050  | 0.0019   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Sodium     | 57.1      | mg/L | 0.50    | 0.12     |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Vanadium   | < 0.0050  | mg/L | 0.0050  | 0.0019   |    | X440106 | SJN | 10/07/24 22:08 |     |
| EPA 200.7 | Zinc       | 162       | mg/L | 0.100   | 0.0540   | 10 | X440106 | SJN | 10/07/24 22:28 |     |
| EPA 200.8 | Antimony   | < 0.0100  | mg/L | 0.0100  | 0.00720  | 10 | X441006 | SMU | 10/11/24 12:48 | D17 |
| EPA 200.8 | Arsenic    | 0.550     | mg/L | 0.0100  | 0.00210  | 10 | X441006 | SMU | 10/11/24 12:48 | D17 |
| EPA 200.8 | Selenium   | 0.0380    | mg/L | 0.0100  | 0.00240  | 10 | X441006 | SMU | 10/11/24 12:48 | D17 |
| EPA 200.8 | Thallium   | < 0.00200 | mg/L | 0.00200 | 0.000800 | 10 | X441006 | SMU | 10/11/24 12:48 | D17 |
| EPA 200.8 | Uranium    | 6.23      | mg/L | 0.00100 | 0.000520 | 10 | X441006 | SMU | 10/11/24 12:48 | D17 |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439192 | MAC | 10/04/24 14:17 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |    |         |     |                |         |
|-------------|-------------------------------|----------|---------------|--------|--------|----|---------|-----|----------------|---------|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0500 | mg/L          | 0.0500 | 0.0480 | 10 | X439155 | DD  | 10/01/24 13:38 | D15,Q12 |
| EPA 335.4   | Cyanide (total)               | 0.0063   | mg/L          | 0.0050 | 0.0038 |    | X440014 | DD  | 10/01/24 13:46 |         |
| EPA 350.1   | Ammonia as N                  | 0.091    | mg/L          | 0.030  | 0.013  |    | X440160 | DD  | 10/09/24 15:57 |         |
| OIA 1677    | Cyanide (WAD)                 | < 0.0250 | mg/L          | 0.0250 | 0.0050 | 5  | X441035 | DD  | 10/07/24 14:56 | D13,Q12 |
| SM 2310 B   | Acidity to pH 8.3             | 12800    | mg/L as CaCO3 | 10.0   |        |    | X441055 | MWD | 10/08/24 12:54 |         |
| SM 2320 B   | Total Alkalinity              | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X440088 | MWD | 10/02/24 14:51 |         |
| SM 2320 B   | Bicarbonate                   | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X440088 | MWD | 10/02/24 14:51 |         |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X440088 | MWD | 10/02/24 14:51 |         |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X440088 | MWD | 10/02/24 14:51 |         |
| SM 2540 C   | Total Diss. Solids            | 22900    | mg/L          | 100    |        |    | X440008 | TJL | 10/01/24 12:35 | E11     |
| SM 2540 D   | Total Susp. Solids            | 74.0     | mg/L          | 5.0    |        |    | X440010 | TJL | 10/01/24 13:15 |         |
| SM 4500 H B | pH @20.0°C                    | 2.8      | pH Units      |        |        |    | X440088 | MWD | 10/02/24 14:51 | H5      |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 14



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|                                                                             |                                                                                                            |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Newmont - Cripple Creek & Victor<br>Post Office Box 191<br>Victor, CO 80860 | Project Name: Cripple Creek/Victor Water and Soil 2024<br>Work Order: X410444<br>Reported: 14-Oct-24 15:28 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-28**  
SVL Sample ID: **X410444-01 (Ground Water)**

Sampled: 26-Sep-24 11:20  
Received: 27-Sep-24  
Sampled By: JC

Sample Report Page 2 of 2

| Method                       | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| Anions by Ion Chromatography |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                    | Chloride             | 6.66    | mg/L  | 2.00  | 0.22  | 10       | X439178 | RS      | 09/27/24 16:45 | D18   |
| EPA 300.0                    | Fluoride             | 17.1    | mg/L  | 1.00  | 0.170 | 10       | X439178 | RS      | 09/27/24 16:45 |       |
| EPA 300.0                    | Nitrate as N         | 6.02    | mg/L  | 0.500 | 0.130 | 10       | X439178 | RS      | 09/27/24 16:45 | D18   |
| EPA 300.0                    | Nitrate+Nitrite as N | 6.02    | mg/L  | 1.00  | 0.440 | 10       | X439178 | RS      | 09/27/24 16:45 | D18   |
| EPA 300.0                    | Nitrite as N         | < 0.500 | mg/L  | 0.500 | 0.310 | 10       | X439178 | RS      | 09/27/24 16:45 | D18   |
| EPA 300.0                    | Sulfate as SO4       | 17000   | mg/L  | 150   | 90.0  | 500      | X439178 | RS      | 09/29/24 00:06 |       |

Cation/Anion Balance and TDS Ratios

|                       |                      |                      |                       |                |
|-----------------------|----------------------|----------------------|-----------------------|----------------|
| Cation Sum: 329 meq/L | Anion Sum: 355 meq/L | C/A Balance: -3.86 % | Calculated TDS: 18180 | TDS/cTDS: 1.26 |
|-----------------------|----------------------|----------------------|-----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410444**

Reported: 14-Oct-24 15:28

Client Sample ID: **GVMW-33**

Sampled: 26-Sep-24 12:17

Received: 27-Sep-24

Sampled By: JC

SVL Sample ID: **X410444-02 (Ground Water)****Sample Report Page 1 of 2**

| Method                                                                | Analyte             | Result | Units | RL   | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-----------------------------------------------------------------------|---------------------|--------|-------|------|-------|----------|---------|---------|----------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                     |        |       |      |       |          |         |         |                |       |
| EPA 200.7                                                             | Calcium             | 473    | mg/L  | 1.00 | 0.690 | 10       | X440081 | SJN     | 10/07/24 18:03 | D15   |
| EPA 200.7                                                             | Magnesium           | 425    | mg/L  | 5.00 | 0.900 | 10       | X440081 | SJN     | 10/07/24 18:03 | D15   |
| EPA 200.7                                                             | Potassium           | 14.4   | mg/L  | 5.00 | 1.80  | 10       | X440081 | SJN     | 10/07/24 20:11 | D15   |
| SM 2340 B                                                             | Hardness (as CaCO3) | 3060   | mg/L  | 4.56 | 2.09  |          | N/A     |         | 10/07/24 18:03 |       |

**Metals (Dissolved)**

|           |            |           |      |         |          |    |         |     |                |     |
|-----------|------------|-----------|------|---------|----------|----|---------|-----|----------------|-----|
| EPA 200.7 | Aluminum   | 997       | mg/L | 0.800   | 0.540    | 10 | X440106 | SJN | 10/07/24 22:31 |     |
| EPA 200.7 | Barium     | 0.0375    | mg/L | 0.0020  | 0.0019   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Beryllium  | 0.878     | mg/L | 0.00200 | 0.00080  |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Boron      | 0.0629    | mg/L | 0.0400  | 0.0078   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Cadmium    | 2.21      | mg/L | 0.0020  | 0.0016   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Calcium    | 458       | mg/L | 0.100   | 0.069    |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Chromium   | 0.0794    | mg/L | 0.0060  | 0.0020   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Cobalt     | 1.95      | mg/L | 0.0060  | 0.0046   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Copper     | 3.34      | mg/L | 0.0100  | 0.0027   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Iron       | 29.0      | mg/L | 0.100   | 0.056    |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Lead       | 0.0761    | mg/L | 0.0075  | 0.0049   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Lithium    | 0.314     | mg/L | 0.040   | 0.025    |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Magnesium  | 457       | mg/L | 0.500   | 0.090    |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Manganese  | 355       | mg/L | 0.0800  | 0.0340   | 10 | X440106 | SJN | 10/07/24 22:31 |     |
| EPA 200.7 | Molybdenum | < 0.0080  | mg/L | 0.0080  | 0.0034   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Nickel     | 2.99      | mg/L | 0.0100  | 0.0048   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Potassium  | 15.4      | mg/L | 0.50    | 0.18     |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Silver     | 0.0126    | mg/L | 0.0050  | 0.0019   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Sodium     | 167       | mg/L | 0.50    | 0.12     |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Vanadium   | 0.0107    | mg/L | 0.0050  | 0.0019   |    | X440106 | SJN | 10/07/24 22:11 |     |
| EPA 200.7 | Zinc       | 51.7      | mg/L | 0.100   | 0.0540   | 10 | X440106 | SJN | 10/07/24 22:31 |     |
| EPA 200.8 | Antimony   | < 0.0100  | mg/L | 0.0100  | 0.00720  | 10 | X441006 | SMU | 10/11/24 12:51 | D17 |
| EPA 200.8 | Arsenic    | 0.488     | mg/L | 0.0100  | 0.00210  | 10 | X441006 | SMU | 10/11/24 12:51 | D17 |
| EPA 200.8 | Selenium   | 0.0364    | mg/L | 0.0100  | 0.00240  | 10 | X441006 | SMU | 10/11/24 12:51 | D17 |
| EPA 200.8 | Thallium   | < 0.00200 | mg/L | 0.00200 | 0.000800 | 10 | X441006 | SMU | 10/11/24 12:51 | D17 |
| EPA 200.8 | Uranium    | 3.80      | mg/L | 0.00100 | 0.000520 | 10 | X441006 | SMU | 10/11/24 12:51 | D17 |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439192 | MAC | 10/04/24 14:19 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |    |         |     |                |         |
|-------------|-------------------------------|----------|---------------|--------|--------|----|---------|-----|----------------|---------|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0500 | mg/L          | 0.0500 | 0.0480 | 10 | X439155 | DD  | 10/01/24 13:40 | D15,Q12 |
| EPA 335.4   | Cyanide (total)               | 0.0061   | mg/L          | 0.0050 | 0.0038 |    | X440014 | DD  | 10/01/24 13:49 |         |
| EPA 350.1   | Ammonia as N                  | 0.928    | mg/L          | 0.030  | 0.013  |    | X440160 | DD  | 10/09/24 15:59 |         |
| OIA 1677    | Cyanide (WAD)                 | < 0.0250 | mg/L          | 0.0250 | 0.0050 | 5  | X441035 | DD  | 10/07/24 14:58 | D13,Q12 |
| SM 2310 B   | Acidity to pH 8.3             | 7050     | mg/L as CaCO3 | 10.0   |        |    | X441055 | MWD | 10/08/24 12:54 |         |
| SM 2320 B   | Total Alkalinity              | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X440088 | MWD | 10/02/24 14:56 |         |
| SM 2320 B   | Bicarbonate                   | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X440088 | MWD | 10/02/24 14:56 |         |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X440088 | MWD | 10/02/24 14:56 |         |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X440088 | MWD | 10/02/24 14:56 |         |
| SM 2540 C   | Total Diss. Solids            | 16000    | mg/L          | 100    |        |    | X440008 | TJL | 10/01/24 12:35 |         |
| SM 2540 D   | Total Susp. Solids            | 24.0     | mg/L          | 5.0    |        |    | X440010 | TJL | 10/01/24 13:15 |         |
| SM 4500 H B | pH @20.0°C                    | 3.4      | pH Units      |        |        |    | X440088 | MWD | 10/02/24 14:56 | H5      |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 14



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|                                                                             |  |  |  |  |                                                                                                            |  |  |  |  |
|-----------------------------------------------------------------------------|--|--|--|--|------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Newmont - Cripple Creek & Victor<br>Post Office Box 191<br>Victor, CO 80860 |  |  |  |  | Project Name: Cripple Creek/Victor Water and Soil 2024<br>Work Order: X410444<br>Reported: 14-Oct-24 15:28 |  |  |  |  |
|-----------------------------------------------------------------------------|--|--|--|--|------------------------------------------------------------------------------------------------------------|--|--|--|--|

Client Sample ID: GVMW-33  
SVL Sample ID: X410444-02 (Ground Water)

Sampled: 26-Sep-24 12:17  
Received: 27-Sep-24  
Sampled By: JC

Sample Report Page 2 of 2

| Method                       | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| Anions by Ion Chromatography |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                    | Chloride             | 6.85    | mg/L  | 2.00  | 0.22  | 10       | X439178 | RS      | 09/27/24 18:55 | D18   |
| EPA 300.0                    | Fluoride             | 162     | mg/L  | 25.0  | 4.25  | 250      | X439178 | RS      | 09/27/24 19:13 |       |
| EPA 300.0                    | Nitrate as N         | 4.91    | mg/L  | 0.500 | 0.130 | 10       | X439178 | RS      | 09/27/24 18:55 | D18   |
| EPA 300.0                    | Nitrate+Nitrite as N | 4.91    | mg/L  | 1.00  | 0.440 | 10       | X439178 | RS      | 09/27/24 18:55 | D18   |
| EPA 300.0                    | Nitrite as N         | < 0.500 | mg/L  | 0.500 | 0.310 | 10       | X439178 | RS      | 09/27/24 18:55 | D18   |
| EPA 300.0                    | Sulfate as SO4       | 11000   | mg/L  | 75.0  | 45.0  | 250      | X439178 | RS      | 09/27/24 19:13 |       |

Cation/Anion Balance and TDS Ratios

|                       |                      |                      |                       |                |
|-----------------------|----------------------|----------------------|-----------------------|----------------|
| Cation Sum: 206 meq/L | Anion Sum: 238 meq/L | C/A Balance: -7.12 % | Calculated TDS: 12279 | TDS/cTDS: 1.30 |
|-----------------------|----------------------|----------------------|-----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410444**

Reported: 14-Oct-24 15:28

Client Sample ID: **GVMW-30**

Sampled: 26-Sep-24 13:31

Received: 27-Sep-24

Sampled By: JC

SVL Sample ID: **X410444-03 (Ground Water)****Sample Report Page 1 of 2**

| Method                                                                | Analyte             | Result | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-----------------------------------------------------------------------|---------------------|--------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                     |        |       |       |       |          |         |         |                |       |
| EPA 200.7                                                             | Calcium             | 368    | mg/L  | 0.100 | 0.069 |          | X440081 | SJN     | 10/07/24 16:38 |       |
| EPA 200.7                                                             | Magnesium           | 366    | mg/L  | 0.500 | 0.090 |          | X440081 | SJN     | 10/07/24 16:38 |       |
| EPA 200.7                                                             | Potassium           | 4.20   | mg/L  | 0.50  | 0.18  |          | X440081 | SJN     | 10/07/24 20:44 |       |
| SM 2340 B                                                             | Hardness (as CaCO3) | 2350   | mg/L  | 2.31  | 0.543 |          | N/A     |         | 10/07/24 16:38 |       |

**Metals (Dissolved)**

|           |            |           |      |          |          |   |         |     |                |     |
|-----------|------------|-----------|------|----------|----------|---|---------|-----|----------------|-----|
| EPA 200.7 | Aluminum   | 396       | mg/L | 0.080    | 0.054    |   | X440106 | SJN | 10/07/24 22:15 | M3  |
| EPA 200.7 | Barium     | 0.0176    | mg/L | 0.0020   | 0.0019   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Beryllium  | 0.624     | mg/L | 0.00200  | 0.00080  |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Boron      | < 0.0400  | mg/L | 0.0400   | 0.0078   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Cadmium    | 0.353     | mg/L | 0.0020   | 0.0016   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Calcium    | 403       | mg/L | 0.100    | 0.069    |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Chromium   | 0.302     | mg/L | 0.0060   | 0.0020   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Cobalt     | 0.600     | mg/L | 0.0060   | 0.0046   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Copper     | 0.281     | mg/L | 0.0100   | 0.0027   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Iron       | 38.9      | mg/L | 0.100    | 0.056    |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Lead       | 0.0117    | mg/L | 0.0075   | 0.0049   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Lithium    | 0.308     | mg/L | 0.040    | 0.025    |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Magnesium  | 347       | mg/L | 0.500    | 0.090    |   | X440106 | SJN | 10/07/24 22:15 | M3  |
| EPA 200.7 | Manganese  | 70.2      | mg/L | 0.0080   | 0.0034   |   | X440106 | SJN | 10/07/24 22:15 | M3  |
| EPA 200.7 | Molybdenum | < 0.0080  | mg/L | 0.0080   | 0.0034   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Nickel     | 1.88      | mg/L | 0.0100   | 0.0048   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Potassium  | 3.29      | mg/L | 0.50     | 0.18     |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Silver     | < 0.0050  | mg/L | 0.0050   | 0.0019   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Sodium     | 43.6      | mg/L | 0.50     | 0.12     |   | X440106 | SJN | 10/07/24 22:15 | M1  |
| EPA 200.7 | Vanadium   | < 0.0050  | mg/L | 0.0050   | 0.0019   |   | X440106 | SJN | 10/07/24 22:15 |     |
| EPA 200.7 | Zinc       | 6.78      | mg/L | 0.0100   | 0.0054   |   | X440106 | SJN | 10/07/24 22:15 | M3  |
| EPA 200.8 | Antimony   | < 0.00500 | mg/L | 0.00500  | 0.00360  | 5 | X441006 | SMU | 10/11/24 13:13 | D17 |
| EPA 200.8 | Arsenic    | 0.0367    | mg/L | 0.00500  | 0.00105  | 5 | X441006 | SMU | 10/11/24 13:13 | D17 |
| EPA 200.8 | Selenium   | 0.00532   | mg/L | 0.00500  | 0.00120  | 5 | X441006 | SMU | 10/11/24 15:44 | D17 |
| EPA 200.8 | Thallium   | < 0.00100 | mg/L | 0.00100  | 0.000400 | 5 | X441006 | SMU | 10/11/24 13:13 | D17 |
| EPA 200.8 | Uranium    | 0.496     | mg/L | 0.000500 | 0.000260 | 5 | X441006 | SMU | 10/11/24 13:13 | D17 |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439192 | MAC | 10/04/24 14:26 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |   |         |     |                |         |
|-------------|-------------------------------|----------|---------------|--------|--------|---|---------|-----|----------------|---------|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0050 | mg/L          | 0.0050 | 0.0048 |   | X439155 | DD  | 10/01/24 13:48 |         |
| EPA 335.4   | Cyanide (total)               | 0.0167   | mg/L          | 0.0050 | 0.0038 |   | X440014 | DD  | 10/01/24 13:51 |         |
| EPA 350.1   | Ammonia as N                  | < 0.030  | mg/L          | 0.030  | 0.013  |   | X440160 | DD  | 10/09/24 16:02 |         |
| OIA 1677    | Cyanide (WAD)                 | < 0.0250 | mg/L          | 0.0250 | 0.0050 | 5 | X441035 | DD  | 10/07/24 15:06 | D13,Q12 |
| SM 2310 B   | Acidity to pH 8.3             | 2900     | mg/L as CaCO3 | 10.0   |        |   | X441055 | MWD | 10/08/24 12:54 |         |
| SM 2320 B   | Total Alkalinity              | < 1.0    | mg/L as CaCO3 | 1.0    |        |   | X440088 | MWD | 10/02/24 15:01 |         |
| SM 2320 B   | Bicarbonate                   | < 1.0    | mg/L as CaCO3 | 1.0    |        |   | X440088 | MWD | 10/02/24 15:01 |         |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |   | X440088 | MWD | 10/02/24 15:01 |         |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |   | X440088 | MWD | 10/02/24 15:01 |         |
| SM 2540 C   | Total Diss. Solids            | 7630     | mg/L          | 40     |        |   | X440008 | TJL | 10/01/24 12:35 |         |
| SM 2540 D   | Total Susp. Solids            | 62.0     | mg/L          | 5.0    |        |   | X440010 | TJL | 10/01/24 13:15 |         |
| SM 4500 H B | pH @20.6°C                    | 3.1      | pH Units      |        |        |   | X440088 | MWD | 10/02/24 15:01 | H5      |



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410444</b><br>Reported: 14-Oct-24 15:28 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-30**  
SVL Sample ID: **X410444-03 (Ground Water)**

Sampled: 26-Sep-24 13:31  
Received: 27-Sep-24  
Sampled By: JC

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 2.77    | mg/L  | 2.00  | 0.22  | 10       | X439178 | RS      | 09/27/24 19:31 | D18   |
| EPA 300.0                           | Fluoride             | 15.7    | mg/L  | 1.00  | 0.170 | 10       | X439178 | RS      | 09/27/24 19:31 |       |
| EPA 300.0                           | Nitrate as N         | 1.62    | mg/L  | 0.500 | 0.130 | 10       | X439178 | RS      | 09/27/24 19:31 | D18   |
| EPA 300.0                           | Nitrate+Nitrite as N | 1.62    | mg/L  | 1.00  | 0.440 | 10       | X439178 | RS      | 09/27/24 19:31 | D18   |
| EPA 300.0                           | Nitrite as N         | < 0.500 | mg/L  | 0.500 | 0.310 | 10       | X439178 | RS      | 09/27/24 19:31 | D18   |
| EPA 300.0                           | Sulfate as SO4       | 5480    | mg/L  | 75.0  | 45.0  | 250      | X439178 | RS      | 09/27/24 19:50 |       |

**Cation/Anion Balance and TDS Ratios**

|                       |                      |                      |                      |                |
|-----------------------|----------------------|----------------------|----------------------|----------------|
| Cation Sum: 107 meq/L | Anion Sum: 115 meq/L | C/A Balance: -3.71 % | Calculated TDS: 6295 | TDS/cTDS: 1.21 |
|-----------------------|----------------------|----------------------|----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410444**

Reported: 14-Oct-24 15:28

**Quality Control - BLANK Data**

| Method                                                                | Analyte               | Units         | Result    | MDL      | MRL      | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|---------------|-----------|----------|----------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X440081  | 07-Oct-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X440081  | 07-Oct-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X440081  | 07-Oct-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L          | <0.080    | 0.054    | 0.080    | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Barium                | mg/L          | <0.0020   | 0.0019   | 0.0020   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L          | <0.00200  | 0.00080  | 0.00200  | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L          | <0.0400   | 0.0078   | 0.0400   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Cadmium               | mg/L          | <0.0020   | 0.0016   | 0.0020   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L          | <0.0060   | 0.0020   | 0.0060   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Cobalt                | mg/L          | <0.0060   | 0.0046   | 0.0060   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Copper                | mg/L          | <0.0100   | 0.0027   | 0.0100   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L          | <0.100    | 0.056    | 0.100    | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Lead                  | mg/L          | <0.0075   | 0.0049   | 0.0075   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Lithium               | mg/L          | <0.040    | 0.025    | 0.040    | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L          | <0.0080   | 0.0034   | 0.0080   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L          | <0.0080   | 0.0034   | 0.0080   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L          | <0.0100   | 0.0048   | 0.0100   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Silver                | mg/L          | <0.0050   | 0.0019   | 0.0050   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L          | <0.50     | 0.12     | 0.50     | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Vanadium              | mg/L          | <0.0050   | 0.0019   | 0.0050   | X440106  | 07-Oct-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L          | <0.0100   | 0.0054   | 0.0100   | X440106  | 07-Oct-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X441006  | 14-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X441006  | 14-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X441006  | 14-Oct-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X441006  | 14-Oct-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X441006  | 11-Oct-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X441006  | 14-Oct-24 |       |
| <b>Metals (Filtered)</b>                                              |                       |               |           |          |          |          |           |       |
| EPA 245.1                                                             | Mercury               | mg/L          | <0.000200 | 0.000093 | 0.000200 | X439192  | 04-Oct-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |               |           |          |          |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L          | <0.0050   | 0.0048   | 0.0050   | X439155  | 01-Oct-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L          | <0.0050   | 0.0038   | 0.0050   | X440014  | 01-Oct-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | <0.030    | 0.013    | 0.030    | X440160  | 09-Oct-24 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L          | <0.0050   | 0.0010   | 0.0050   | X441035  | 07-Oct-24 |       |
| SM 2310 B                                                             | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0     |          | 10.0     | X441055  | 08-Oct-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | <1.0      |          | 1.0      | X440088  | 02-Oct-24 |       |
| SM 2320 B                                                             | Bicarbonate           | mg/L as CaCO3 | <1.0      |          | 1.0      | X440088  | 02-Oct-24 |       |
| SM 2320 B                                                             | Carbonate             | mg/L as CaCO3 | <1.0      |          | 1.0      | X440088  | 02-Oct-24 |       |
| SM 2320 B                                                             | Hydroxide             | mg/L as CaCO3 | <1.0      |          | 1.0      | X440088  | 02-Oct-24 |       |
| SM 2540 C                                                             | Total Diss. Solids    | mg/L          | <10       |          | 10       | X440008  | 01-Oct-24 |       |
| SM 2540 D                                                             | Total Susp. Solids    | mg/L          | <5.0      |          | 5.0      | X440010  | 01-Oct-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 14



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410444**

Reported: 14-Oct-24 15:28

**Quality Control - BLANK Data (Continued)**

| Method                              | Analyte              | Units | Result | MDL   | MRL   | Batch ID | Analyzed  | Notes |
|-------------------------------------|----------------------|-------|--------|-------|-------|----------|-----------|-------|
| <b>Anions by Ion Chromatography</b> |                      |       |        |       |       |          |           |       |
| EPA 300.0                           | Chloride             | mg/L  | <0.20  | 0.02  | 0.20  | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Fluoride             | mg/L  | <0.100 | 0.017 | 0.100 | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Nitrate as N         | mg/L  | <0.050 | 0.013 | 0.050 | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | mg/L  | <0.100 | 0.044 | 0.100 | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Nitrite as N         | mg/L  | <0.050 | 0.031 | 0.050 | X439178  | 27-Sep-24 |       |
| EPA 300.0                           | Sulfate as SO4       | mg/L  | <0.30  | 0.18  | 0.30  | X439178  | 27-Sep-24 |       |

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method                                                                | Analyte   | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------|-------|------------|----------|--------|-------------------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |           |       |            |          |        |                   |          |           |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 18.8       | 20.0     | 94     | 85 - 115          | X440081  | 07-Oct-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 19.0       | 20.0     | 94.9   | 85 - 115          | X440081  | 07-Oct-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 19.6       | 20.0     | 98.1   | 85 - 115          | X440081  | 07-Oct-24 |       |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 0.924  | 1.00   | 92.4 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.926  | 1.00   | 92.6 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 0.994  | 1.00   | 99.4 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.956  | 1.00   | 95.6 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.945  | 1.00   | 94.5 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Calcium    | mg/L | 18.8   | 20.0   | 93.9 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.932  | 1.00   | 93.2 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Copper     | mg/L | 0.977  | 1.00   | 97.7 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.82   | 10.0   | 98.2 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Lithium    | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.5   | 20.0   | 97.3 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.954  | 1.00   | 95.4 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.7   | 20.0   | 98.3 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0474 | 0.0500 | 94.8 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Sodium     | mg/L | 18.5   | 19.0   | 97.2 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.02   | 1.00   | 102  | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X440106 | 07-Oct-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0239 | 0.0250 | 95.5 | 85 - 115 | X441006 | 11-Oct-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0244 | 0.0250 | 97.7 | 85 - 115 | X441006 | 11-Oct-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0256 | 0.0250 | 102  | 85 - 115 | X441006 | 11-Oct-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0226 | 0.0250 | 90.3 | 85 - 115 | X441006 | 11-Oct-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0232 | 0.0250 | 92.7 | 85 - 115 | X441006 | 11-Oct-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |     |          |         |           |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00204 | 0.00200 | 102 | 85 - 115 | X439192 | 04-Oct-24 |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |        |       |      |            |         |           |  |
|------------|-----------------------|---------------|--------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.104  | 0.100 | 104  | 90 - 110   | X439155 | 01-Oct-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.0995 | 0.100 | 99.5 | 90 - 110   | X440014 | 01-Oct-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 1.07   | 1.00  | 107  | 90 - 110   | X440160 | 09-Oct-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.0990 | 0.100 | 99.0 | 90 - 110   | X441035 | 07-Oct-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897    | 884   | 102  | 95.4 - 104 | X441055 | 08-Oct-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 9.70   | 9.93  | 97.7 | 96.4 - 105 | X440088 | 02-Oct-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 99.8   | 99.3  | 101  | 96.4 - 105 | X440088 | 02-Oct-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 9 of 14

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410444**

Reported: 14-Oct-24 15:28

**Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Classical Chemistry Parameters (Continued)**

|           |                    |                           |      |      |     |            |         |           |  |
|-----------|--------------------|---------------------------|------|------|-----|------------|---------|-----------|--|
| SM 2320 B | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 416  | 397  | 105 | 96.4 - 105 | X440088 | 02-Oct-24 |  |
| SM 2540 D | Total Susp. Solids | mg/L                      | 10.0 | 10.0 | 100 | 85 - 115   | X440010 | 01-Oct-24 |  |

**Anions by Ion Chromatography**

|           |                            |      |      |      |     |          |         |           |  |
|-----------|----------------------------|------|------|------|-----|----------|---------|-----------|--|
| EPA 300.0 | Chloride                   | mg/L | 3.05 | 3.00 | 102 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Fluoride                   | mg/L | 2.05 | 2.00 | 103 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Nitrate as N               | mg/L | 2.04 | 2.00 | 102 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N       | mg/L | 4.62 | 4.50 | 103 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Nitrite as N               | mg/L | 2.58 | 2.50 | 103 | 90 - 110 | X439178 | 27-Sep-24 |  |
| EPA 300.0 | Sulfate as SO <sub>4</sub> | mg/L | 10.2 | 10.0 | 102 | 90 - 110 | X439178 | 27-Sep-24 |  |

**Quality Control - DUPLICATE Data**

| Method | Analyte | Units | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|
|--------|---------|-------|------------------|---------------|-----|-----------|---------------------|----------|-------|

**Classical Chemistry Parameters**

|             |                    |                           |       |       |      |    |                      |           |     |
|-------------|--------------------|---------------------------|-------|-------|------|----|----------------------|-----------|-----|
| SM 2310 B   | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | <10.0 | <10.0 | UDL  | 20 | X441055 - X410433-01 | 08-Oct-24 |     |
| SM 2320 B   | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 157   | 160   | 1.3  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |
| SM 2320 B   | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 157   | 160   | 1.3  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |
| SM 2320 B   | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0  | <1.0  | UDL  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |
| SM 2320 B   | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0  | <1.0  | UDL  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |
| SM 2540 C   | Total Diss. Solids | mg/L                      | 556   | 560   | 0.7  | 10 | X440008 - X410443-02 | 01-Oct-24 |     |
| SM 2540 D   | Total Susp. Solids | mg/L                      | 10.0  | 7.0   | 35.3 | 10 | X440010 - X410443-02 | 01-Oct-24 | R2B |
| SM 4500 H B | pH @19.7°C         | pH Units                  | 8.1   | 8.1   | 0.0  | 20 | X440088 - X410432-02 | 02-Oct-24 |     |

**Quality Control - MATRIX SPIKE Data**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |         |          |                      |           |    |
|-----------|-----------|------|------|------|------|---------|----------|----------------------|-----------|----|
| EPA 200.7 | Calcium   | mg/L | 26.5 | 7.75 | 20.0 | 94      | 70 - 130 | X440081 - X410492-07 | 07-Oct-24 |    |
| EPA 200.7 | Calcium   | mg/L | 684  | 647  | 20.0 | 0.30R>S | 70 - 130 | X440081 - X410443-01 | 07-Oct-24 | M4 |
| EPA 200.7 | Magnesium | mg/L | 288  | 277  | 20.0 | 0.30R>S | 70 - 130 | X440081 - X410443-01 | 07-Oct-24 | M3 |
| EPA 200.7 | Magnesium | mg/L | 21.3 | 2.48 | 20.0 | 94.3    | 70 - 130 | X440081 - X410492-07 | 07-Oct-24 |    |
| EPA 200.7 | Potassium | mg/L | 25.7 | 4.54 | 20.0 | 106     | 70 - 130 | X440081 - X410443-01 | 07-Oct-24 |    |
| EPA 200.7 | Potassium | mg/L | 20.5 | 0.66 | 20.0 | 99.2    | 70 - 130 | X440081 - X410492-07 | 07-Oct-24 |    |

**Metals (Dissolved)**

|           |           |      |       |         |      |         |          |                      |           |    |
|-----------|-----------|------|-------|---------|------|---------|----------|----------------------|-----------|----|
| EPA 200.7 | Aluminum  | mg/L | 1.25  | 0.273   | 1.00 | 97.6    | 70 - 130 | X440106 - X410374-01 | 07-Oct-24 |    |
| EPA 200.7 | Aluminum  | mg/L | 415   | 396     | 1.00 | 0.30R>S | 70 - 130 | X440106 - X410444-03 | 07-Oct-24 | M3 |
| EPA 200.7 | Barium    | mg/L | 0.962 | 0.0113  | 1.00 | 95.1    | 70 - 130 | X440106 - X410374-01 | 07-Oct-24 |    |
| EPA 200.7 | Barium    | mg/L | 0.980 | 0.0176  | 1.00 | 96.3    | 70 - 130 | X440106 - X410444-03 | 07-Oct-24 |    |
| EPA 200.7 | Beryllium | mg/L | 1.01  | 0.00217 | 1.00 | 101     | 70 - 130 | X440106 - X410374-01 | 07-Oct-24 |    |
| EPA 200.7 | Beryllium | mg/L | 1.72  | 0.624   | 1.00 | 109     | 70 - 130 | X440106 - X410444-03 | 07-Oct-24 |    |
| EPA 200.7 | Boron     | mg/L | 0.983 | <0.0400 | 1.00 | 96.2    | 70 - 130 | X440106 - X410374-01 | 07-Oct-24 |    |
| EPA 200.7 | Boron     | mg/L | 0.923 | <0.0400 | 1.00 | 90.4    | 70 - 130 | X440106 - X410444-03 | 07-Oct-24 |    |
| EPA 200.7 | Cadmium   | mg/L | 0.993 | 0.0025  | 1.00 | 99.1    | 70 - 130 | X440106 - X410374-01 | 07-Oct-24 |    |
| EPA 200.7 | Cadmium   | mg/L | 1.34  | 0.353   | 1.00 | 98.7    | 70 - 130 | X440106 - X410444-03 | 07-Oct-24 |    |
| EPA 200.7 | Calcium   | mg/L | 511   | 476     | 20.0 | 0.30R>S | 70 - 130 | X440106 - X410374-01 | 07-Oct-24 | M3 |
| EPA 200.7 | Calcium   | mg/L | 420   | 403     | 20.0 | 89.6    | 70 - 130 | X440106 - X410444-03 | 07-Oct-24 |    |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 10 of 14

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410444**

Reported: 14-Oct-24 15:28

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte    | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec.  | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|------------|-------|--------------|-------------------|-----------------|---------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |            |       |              |                   |                 |         |                   |                      |           |       |
| EPA 200.7                             | Chromium   | mg/L  | 0.967        | <0.0060           | 1.00            | 96.7    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Chromium   | mg/L  | 1.27         | 0.302             | 1.00            | 97.0    | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Cobalt     | mg/L  | 0.914        | <0.0060           | 1.00            | 91.4    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Cobalt     | mg/L  | 1.44         | 0.600             | 1.00            | 83.9    | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Copper     | mg/L  | 1.01         | <0.0100           | 1.00            | 101     | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Copper     | mg/L  | 1.30         | 0.281             | 1.00            | 102     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Iron       | mg/L  | 10.0         | <0.100            | 10.0            | 99.4    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Iron       | mg/L  | 51.1         | 38.9              | 10.0            | 122     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Lead       | mg/L  | 0.944        | <0.0075           | 1.00            | 94.4    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Lead       | mg/L  | 0.929        | 0.0117            | 1.00            | 91.7    | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Lithium    | mg/L  | 1.07         | <0.040            | 1.00            | 107     | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Lithium    | mg/L  | 1.48         | 0.308             | 1.00            | 117     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Magnesium  | mg/L  | 159          | 140               | 20.0            | 96.9    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Magnesium  | mg/L  | 381          | 347               | 20.0            | 0.30R>S | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 | M3    |
| EPA 200.7                             | Manganese  | mg/L  | 2.32         | 1.35              | 1.00            | 97.1    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Manganese  | mg/L  | 75.2         | 70.2              | 1.00            | 0.30R>S | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 | M3    |
| EPA 200.7                             | Molybdenum | mg/L  | 0.959        | <0.0080           | 1.00            | 95.9    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Molybdenum | mg/L  | 0.911        | <0.0080           | 1.00            | 91.1    | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Nickel     | mg/L  | 1.00         | 0.0420            | 1.00            | 96.0    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Nickel     | mg/L  | 2.76         | 1.88              | 1.00            | 88.3    | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Potassium  | mg/L  | 23.8         | 2.60              | 20.0            | 106     | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Potassium  | mg/L  | 25.6         | 3.29              | 20.0            | 112     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Silver     | mg/L  | 0.0495       | <0.0050           | 0.0500          | 98.9    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Silver     | mg/L  | 0.0522       | <0.0050           | 0.0500          | 104     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Sodium     | mg/L  | 42.7         | 23.2              | 19.0            | 102     | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Sodium     | mg/L  | 68.6         | 43.6              | 19.0            | 131     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 | M1    |
| EPA 200.7                             | Vanadium   | mg/L  | 1.04         | <0.0050           | 1.00            | 104     | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Vanadium   | mg/L  | 1.03         | <0.0050           | 1.00            | 103     | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 |       |
| EPA 200.7                             | Zinc       | mg/L  | 1.04         | 0.0659            | 1.00            | 97.0    | 70 - 130          | X440106 - X4I0374-01 | 07-Oct-24 |       |
| EPA 200.7                             | Zinc       | mg/L  | 7.12         | 6.78              | 1.00            | 0.30R>S | 70 - 130          | X440106 - X4I0444-03 | 07-Oct-24 | M3    |
| EPA 200.8                             | Antimony   | mg/L  | 0.0248       | <0.00200          | 0.0250          | 99.2    | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Antimony   | mg/L  | 0.0243       | <0.00200          | 0.0250          | 97.1    | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |
| EPA 200.8                             | Arsenic    | mg/L  | 0.0272       | 0.00303           | 0.0250          | 96.7    | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Arsenic    | mg/L  | 0.0491       | 0.0250            | 0.0250          | 96.3    | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |
| EPA 200.8                             | Selenium   | mg/L  | 0.0262       | <0.00200          | 0.0250          | 105     | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Selenium   | mg/L  | 0.0665       | 0.0438            | 0.0250          | 90.7    | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |
| EPA 200.8                             | Thallium   | mg/L  | 0.0234       | <0.000400         | 0.0250          | 93.7    | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Thallium   | mg/L  | 0.0255       | 0.00117           | 0.0250          | 97.4    | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |
| EPA 200.8                             | Uranium    | mg/L  | 0.0244       | <0.000200         | 0.0250          | 97.6    | 70 - 130          | X441006 - X4I0421-01 | 11-Oct-24 | D17   |
| EPA 200.8                             | Uranium    | mg/L  | 0.0650       | 0.0400            | 0.0250          | 99.9    | 70 - 130          | X441006 - X4I0421-04 | 11-Oct-24 | D17   |

**Metals (Filtered)**

|           |         |      |         |           |         |     |          |                      |           |  |
|-----------|---------|------|---------|-----------|---------|-----|----------|----------------------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00206 | <0.000200 | 0.00200 | 103 | 70 - 130 | X439192 - X4I0336-02 | 04-Oct-24 |  |
| EPA 245.1 | Mercury | mg/L | 0.00212 | <0.000200 | 0.00200 | 106 | 70 - 130 | X439192 - X4I0381-02 | 04-Oct-24 |  |

**Classical Chemistry Parameters**

|            |                       |      |        |         |       |      |          |                      |           |    |
|------------|-----------------------|------|--------|---------|-------|------|----------|----------------------|-----------|----|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.0980 | <0.0050 | 0.100 | 98.0 | 79 - 121 | X439155 - X4I0374-01 | 01-Oct-24 | R4 |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.101  | <0.0050 | 0.100 | 101  | 90 - 110 | X440014 - X4I0374-01 | 01-Oct-24 |    |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.102  | <0.0050 | 0.100 | 102  | 90 - 110 | X440014 - X4I0375-01 | 01-Oct-24 |    |
| EPA 350.1  | Ammonia as N          | mg/L | 1.19   | <0.030  | 1.00  | 117  | 90 - 110 | X440160 - X4I0443-01 | 09-Oct-24 | M1 |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410444**

Reported: 14-Oct-24 15:28

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Classical Chemistry Parameters (Continued)**

|           |               |      |        |        |       |      |          |                      |           |    |
|-----------|---------------|------|--------|--------|-------|------|----------|----------------------|-----------|----|
| EPA 350.1 | Ammonia as N  | mg/L | 1.11   | <0.030 | 1.00  | 109  | 90 - 110 | X440160 - X410443-02 | 09-Oct-24 |    |
| OIA 1677  | Cyanide (WAD) | mg/L | 0.0930 | 0.0080 | 0.100 | 85.0 | 82 - 118 | X441035 - X410374-01 | 07-Oct-24 | R4 |

**Anions by Ion Chromatography**

|           |                      |      |      |        |      |         |          |                      |           |    |
|-----------|----------------------|------|------|--------|------|---------|----------|----------------------|-----------|----|
| EPA 300.0 | Chloride             | mg/L | 3.27 | 0.27   | 3.00 | 99.9    | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Chloride             | mg/L | 5.07 | 1.98   | 3.00 | 103     | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Fluoride             | mg/L | 2.18 | <0.100 | 2.00 | 107     | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Fluoride             | mg/L | 2.12 | 0.141  | 2.00 | 98.9    | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Nitrate as N         | mg/L | 2.00 | <0.050 | 2.00 | 99.8    | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Nitrate as N         | mg/L | 1.98 | <0.050 | 2.00 | 99.0    | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.03 | <0.100 | 4.00 | 101     | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 3.99 | <0.100 | 4.00 | 99.7    | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Nitrite as N         | mg/L | 2.04 | <0.050 | 2.00 | 102     | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Nitrite as N         | mg/L | 2.01 | <0.050 | 2.00 | 100     | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 |    |
| EPA 300.0 | Sulfate as SO4       | mg/L | 11.7 | 1.20   | 10.0 | 105     | 90 - 110 | X439178 - X410421-01 | 27-Sep-24 |    |
| EPA 300.0 | Sulfate as SO4       | mg/L | 111  | 103    | 10.0 | 0.30R>S | 90 - 110 | X439178 - X410454-04 | 27-Sep-24 | M4 |

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |     |    |         |                      |    |
|-----------|-----------|------|------|------|------|-----|----|---------|----------------------|----|
| EPA 200.7 | Calcium   | mg/L | 674  | 684  | 20.0 | 1.0 | 20 | 0.30R>S | X440081 - X410443-01 | M4 |
| EPA 200.7 | Magnesium | mg/L | 286  | 288  | 20.0 | 0.7 | 20 | 0.30R>S | X440081 - X410443-01 | M3 |
| EPA 200.7 | Potassium | mg/L | 25.3 | 25.7 | 20.0 | 1.6 | 20 | 104     | X440081 - X410443-01 |    |

**Metals (Dissolved)**

|           |            |      |        |        |        |     |    |      |                      |     |
|-----------|------------|------|--------|--------|--------|-----|----|------|----------------------|-----|
| EPA 200.7 | Aluminum   | mg/L | 1.27   | 1.25   | 1.00   | 1.5 | 20 | 99.5 | X440106 - X410374-01 |     |
| EPA 200.7 | Barium     | mg/L | 0.982  | 0.962  | 1.00   | 2.1 | 20 | 97.1 | X440106 - X410374-01 |     |
| EPA 200.7 | Beryllium  | mg/L | 1.01   | 1.01   | 1.00   | 0.7 | 20 | 101  | X440106 - X410374-01 |     |
| EPA 200.7 | Boron      | mg/L | 0.968  | 0.983  | 1.00   | 1.5 | 20 | 94.8 | X440106 - X410374-01 |     |
| EPA 200.7 | Cadmium    | mg/L | 0.968  | 0.993  | 1.00   | 2.6 | 20 | 96.6 | X440106 - X410374-01 |     |
| EPA 200.7 | Calcium    | mg/L | 497    | 511    | 20.0   | 2.7 | 20 | 105  | X440106 - X410374-01 |     |
| EPA 200.7 | Chromium   | mg/L | 0.967  | 0.967  | 1.00   | 0.1 | 20 | 96.7 | X440106 - X410374-01 |     |
| EPA 200.7 | Cobalt     | mg/L | 0.885  | 0.914  | 1.00   | 3.2 | 20 | 88.5 | X440106 - X410374-01 |     |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.01   | 1.00   | 1.0 | 20 | 100  | X440106 - X410374-01 |     |
| EPA 200.7 | Iron       | mg/L | 9.93   | 10.0   | 10.0   | 0.7 | 20 | 98.7 | X440106 - X410374-01 |     |
| EPA 200.7 | Lead       | mg/L | 0.926  | 0.944  | 1.00   | 1.8 | 20 | 92.6 | X440106 - X410374-01 |     |
| EPA 200.7 | Lithium    | mg/L | 1.10   | 1.07   | 1.00   | 2.1 | 20 | 110  | X440106 - X410374-01 |     |
| EPA 200.7 | Magnesium  | mg/L | 157    | 159    | 20.0   | 1.2 | 20 | 87.2 | X440106 - X410374-01 |     |
| EPA 200.7 | Manganese  | mg/L | 2.34   | 2.32   | 1.00   | 0.8 | 20 | 98.9 | X440106 - X410374-01 |     |
| EPA 200.7 | Molybdenum | mg/L | 0.938  | 0.959  | 1.00   | 2.2 | 20 | 93.8 | X440106 - X410374-01 |     |
| EPA 200.7 | Nickel     | mg/L | 0.986  | 1.00   | 1.00   | 1.6 | 20 | 94.4 | X440106 - X410374-01 |     |
| EPA 200.7 | Potassium  | mg/L | 23.7   | 23.8   | 20.0   | 0.1 | 20 | 106  | X440106 - X410374-01 |     |
| EPA 200.7 | Silver     | mg/L | 0.0484 | 0.0495 | 0.0500 | 2.2 | 20 | 96.8 | X440106 - X410374-01 |     |
| EPA 200.7 | Sodium     | mg/L | 42.6   | 42.7   | 19.0   | 0.2 | 20 | 102  | X440106 - X410374-01 |     |
| EPA 200.7 | Vanadium   | mg/L | 1.03   | 1.04   | 1.00   | 0.3 | 20 | 103  | X440106 - X410374-01 |     |
| EPA 200.7 | Zinc       | mg/L | 1.02   | 1.04   | 1.00   | 2.0 | 20 | 94.9 | X440106 - X410374-01 |     |
| EPA 200.8 | Antimony   | mg/L | 0.0251 | 0.0248 | 0.0250 | 1.2 | 20 | 100  | X441006 - X410421-01 | D17 |
| EPA 200.8 | Arsenic    | mg/L | 0.0274 | 0.0272 | 0.0250 | 0.6 | 20 | 97.4 | X441006 - X410421-01 | D17 |
| EPA 200.8 | Selenium   | mg/L | 0.0255 | 0.0262 | 0.0250 | 2.8 | 20 | 102  | X441006 - X410421-01 | D17 |
| EPA 200.8 | Thallium   | mg/L | 0.0231 | 0.0234 | 0.0250 | 1.3 | 20 | 92.5 | X441006 - X410421-01 | D17 |
| EPA 200.8 | Uranium    | mg/L | 0.0240 | 0.0244 | 0.0250 | 1.6 | 20 | 96.0 | X441006 - X410421-01 | D17 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 12 of 14



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410444**

Reported: 14-Oct-24 15:28

| <b>Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)</b> |                       |       |            |              |             |      |           |            |                      |       |
|------------------------------------------------------------------|-----------------------|-------|------------|--------------|-------------|------|-----------|------------|----------------------|-------|
| Method                                                           | Analyte               | Units | MSD Result | Spike Result | Spike Level | RPD  | RPD Limit | % Recovery | Batch and Source ID  | Notes |
| <b>Metals (Filtered)</b>                                         |                       |       |            |              |             |      |           |            |                      |       |
| EPA 245.1                                                        | Mercury               | mg/L  | 0.00206    | 0.00206      | 0.00200     | 0.2  | 20        | 103        | X439192 - X4I0336-02 |       |
| <b>Classical Chemistry Parameters</b>                            |                       |       |            |              |             |      |           |            |                      |       |
| ASTM D7237                                                       | Cyanide (free) @ pH 6 | mg/L  | 0.0870     | 0.0980       | 0.100       | 11.9 | 11        | 87.0       | X439155 - X4I0374-01 | R4    |
| EPA 335.4                                                        | Cyanide (total)       | mg/L  | 0.100      | 0.101        | 0.100       | 1.0  | 20        | 100        | X440014 - X4I0374-01 |       |
| EPA 350.1                                                        | Ammonia as N          | mg/L  | 1.16       | 1.19         | 1.00        | 2.3  | 20        | 114        | X440160 - X4I0443-01 | M1    |
| OIA 1677                                                         | Cyanide (WAD)         | mg/L  | 0.108      | 0.0930       | 0.100       | 14.9 | 11        | 100        | X441035 - X4I0374-01 | R4    |
| <b>Anions by Ion Chromatography</b>                              |                       |       |            |              |             |      |           |            |                      |       |
| EPA 300.0                                                        | Chloride              | mg/L  | 3.25       | 3.27         | 3.00        | 0.5  | 20        | 99.4       | X439178 - X4I0421-01 |       |
| EPA 300.0                                                        | Fluoride              | mg/L  | 2.03       | 2.18         | 2.00        | 7.3  | 20        | 98.9       | X439178 - X4I0421-01 |       |
| EPA 300.0                                                        | Nitrate as N          | mg/L  | 1.99       | 2.00         | 2.00        | 0.2  | 20        | 99.7       | X439178 - X4I0421-01 |       |
| EPA 300.0                                                        | Nitrate+Nitrite as N  | mg/L  | 4.02       | 4.03         | 4.00        | 0.2  | 20        | 101        | X439178 - X4I0421-01 |       |
| EPA 300.0                                                        | Nitrite as N          | mg/L  | 2.03       | 2.04         | 2.00        | 0.3  | 20        | 102        | X439178 - X4I0421-01 |       |
| EPA 300.0                                                        | Sulfate as SO4        | mg/L  | 11.5       | 11.7         | 10.0        | 1.8  | 20        | 103        | X439178 - X4I0421-01 |       |



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Kellogg, ID 83837-0929

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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410444**

Reported: 14-Oct-24 15:28

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**Notes and Definitions**

|         |                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D13     | Due to noticeable turbidity or opacity, a sample dilution was performed.                                                                                             |
| D15     | Due to sample viscosity, a sample dilution was performed.                                                                                                            |
| D17     | Due to an internal standard failure at a lower dilution, a sample dilution was performed.                                                                            |
| D18     | Due to a published chemical interference, a sample dilution was performed.                                                                                           |
| E11     | Sample exceeds method-specified limit for solids content.                                                                                                            |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.                |
| M1      | Matrix spike recovery was high, but the LCS recovery was acceptable.                                                                                                 |
| M3      | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.                       |
| M4      | The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable. |
| Q12     | Sample was received and analyzed with pH <12.                                                                                                                        |
| R2B     | RPD exceeded the laboratory acceptance limit.                                                                                                                        |
| R4      | MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.                                                                                   |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                                              |
| RPD     | Relative Percent Difference                                                                                                                                          |
| UDL     | A result is less than the detection limit                                                                                                                            |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                                  |
| <RL     | A result is less than the reporting limit                                                                                                                            |
| MRL     | Method Reporting Limit                                                                                                                                               |
| MDL     | Method Detection Limit                                                                                                                                               |
| N/A     | Not Applicable                                                                                                                                                       |

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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0376**

Reported: 09-Oct-24 16:04

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| GVMW-37B  | X4I0376-01    | Ground Water | 24-Sep-24 10:12 | JC         | 25-Sep-2024   |       |
| GVMW-27   | X4I0376-02    | Ground Water | 24-Sep-24 11:31 | JC         | 25-Sep-2024   |       |
| GVMW-36   | X4I0376-03    | Ground Water | 24-Sep-24 13:20 | JC         | 25-Sep-2024   |       |
| GVMW-35B  | X4I0376-04    | Ground Water | 24-Sep-24 14:44 | JC         | 25-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0376**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410376**

Reported: 09-Oct-24 16:04

Client Sample ID: **GVMW-37B**

Sampled: 24-Sep-24 10:12

Received: 25-Sep-24

Sampled By: JC

SVL Sample ID: **X410376-01 (Ground Water)****Sample Report Page 1 of 2**

| Method                                                                | Analyte                       | Result     | Units         | RL       | MDL      | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-----------------------------------------------------------------------|-------------------------------|------------|---------------|----------|----------|----------|---------|---------|----------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                               |            |               |          |          |          |         |         |                |       |
| EPA 200.7                                                             | <b>Calcium</b>                | 62.1       | mg/L          | 0.100    | 0.069    |          | X440036 | SJN     | 10/03/24 18:06 |       |
| EPA 200.7                                                             | <b>Magnesium</b>              | 10.8       | mg/L          | 0.500    | 0.090    |          | X440036 | SJN     | 10/03/24 18:06 |       |
| EPA 200.7                                                             | <b>Potassium</b>              | 2.04       | mg/L          | 0.50     | 0.18     |          | X440036 | SJN     | 10/03/24 18:06 |       |
| SM 2340 B                                                             | <b>Hardness (as CaCO3)</b>    | 196        | mg/L          | 2.31     | 0.543    |          | N/A     |         | 10/03/24 18:06 |       |
| <b>Metals (Dissolved)</b>                                             |                               |            |               |          |          |          |         |         |                |       |
| EPA 200.7                                                             | Aluminum                      | < 0.080    | mg/L          | 0.080    | 0.054    |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | <b>Barium</b>                 | 0.0922     | mg/L          | 0.0020   | 0.0019   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Beryllium                     | < 0.00200  | mg/L          | 0.00200  | 0.00080  |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Boron                         | < 0.0400   | mg/L          | 0.0400   | 0.0078   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Cadmium                       | < 0.0020   | mg/L          | 0.0020   | 0.0016   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | <b>Calcium</b>                | 57.6       | mg/L          | 0.100    | 0.069    |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Chromium                      | < 0.0060   | mg/L          | 0.0060   | 0.0020   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Cobalt                        | < 0.0060   | mg/L          | 0.0060   | 0.0046   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Copper                        | < 0.0100   | mg/L          | 0.0100   | 0.0027   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Iron                          | < 0.100    | mg/L          | 0.100    | 0.056    |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Lead                          | < 0.0075   | mg/L          | 0.0075   | 0.0049   |          | X440048 | SJN     | 10/01/24 15:13 |       |
| EPA 200.7                                                             | Lithium                       | < 0.040    | mg/L          | 0.040    | 0.025    |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | <b>Magnesium</b>              | 9.82       | mg/L          | 0.500    | 0.090    |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | <b>Manganese</b>              | 0.434      | mg/L          | 0.0080   | 0.0034   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | <b>Molybdenum</b>             | 0.0103     | mg/L          | 0.0080   | 0.0034   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Nickel                        | < 0.0100   | mg/L          | 0.0100   | 0.0048   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | <b>Potassium</b>              | 1.67       | mg/L          | 0.50     | 0.18     |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Silver                        | < 0.0050   | mg/L          | 0.0050   | 0.0019   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | <b>Sodium</b>                 | 31.5       | mg/L          | 0.50     | 0.12     |          | X440048 | SJN     | 10/01/24 15:13 |       |
| EPA 200.7                                                             | Vanadium                      | < 0.0050   | mg/L          | 0.0050   | 0.0019   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.7                                                             | Zinc                          | < 0.0100   | mg/L          | 0.0100   | 0.0054   |          | X440048 | SJN     | 10/01/24 11:19 |       |
| EPA 200.8                                                             | Antimony                      | < 0.00100  | mg/L          | 0.00100  | 0.00072  |          | X441005 | JRR     | 10/09/24 09:55 |       |
| EPA 200.8                                                             | Arsenic                       | < 0.00100  | mg/L          | 0.00100  | 0.00021  |          | X441005 | JRR     | 10/09/24 09:55 |       |
| EPA 200.8                                                             | Selenium                      | < 0.00100  | mg/L          | 0.00100  | 0.00024  |          | X441005 | JRR     | 10/09/24 09:55 |       |
| EPA 200.8                                                             | Thallium                      | < 0.000200 | mg/L          | 0.000200 | 0.00008  |          | X441005 | JRR     | 10/09/24 09:55 |       |
| EPA 200.8                                                             | <b>Uranium</b>                | 0.00287    | mg/L          | 0.000100 | 0.000052 |          | X441005 | JRR     | 10/09/24 09:55 |       |
| <b>Metals (Filtered)</b>                                              |                               |            |               |          |          |          |         |         |                |       |
| EPA 245.1                                                             | Mercury                       | < 0.000200 | mg/L          | 0.000200 | 0.000093 |          | X439193 | MAC     | 10/04/24 14:53 |       |
| <b>Classical Chemistry Parameters</b>                                 |                               |            |               |          |          |          |         |         |                |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 @20.0°C | < 0.0050   | mg/L          | 0.0050   | 0.0048   |          | X439155 | DD      | 10/01/24 13:22 |       |
| EPA 335.4                                                             | Cyanide (total)               | < 0.0050   | mg/L          | 0.0050   | 0.0038   |          | X440014 | DD      | 10/01/24 13:03 |       |
| EPA 350.1                                                             | Ammonia as N                  | < 0.030    | mg/L          | 0.030    | 0.013    |          | X439148 | DD      | 09/27/24 15:25 |       |
| OIA 1677                                                              | Cyanide (WAD)                 | < 0.0050   | mg/L          | 0.0050   | 0.0010   |          | X441035 | DD      | 10/07/24 14:28 |       |
| SM 2310 B                                                             | <b>Acidity to pH 8.3</b>      | -118       | mg/L as CaCO3 | 10.0     |          |          | X439181 | MWD     | 09/28/24 09:35 |       |
| SM 2320 B                                                             | <b>Total Alkalinity</b>       | 115        | mg/L as CaCO3 | 1.0      |          |          | X439132 | MWD     | 09/27/24 19:16 |       |
| SM 2320 B                                                             | <b>Bicarbonate</b>            | 115        | mg/L as CaCO3 | 1.0      |          |          | X439132 | MWD     | 09/27/24 19:16 |       |
| SM 2320 B                                                             | Carbonate                     | < 1.0      | mg/L as CaCO3 | 1.0      |          |          | X439132 | MWD     | 09/27/24 19:16 |       |
| SM 2320 B                                                             | Hydroxide                     | < 1.0      | mg/L as CaCO3 | 1.0      |          |          | X439132 | MWD     | 09/27/24 19:16 |       |
| SM 2540 C                                                             | <b>Total Diss. Solids</b>     | 399        | mg/L          | 10       |          |          | X439171 | TJL     | 09/30/24 13:10 |       |
| SM 2540 D                                                             | <b>Total Susp. Solids</b>     | 6.0        | mg/L          | 5.0      |          |          | X439172 | TJL     | 09/30/24 14:10 |       |
| SM 4500 H B                                                           | <b>pH @20.4°C</b>             | 7.9        | pH Units      |          |          |          | X439132 | MWD     | 09/27/24 19:16 | H5    |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 15



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410376</b><br>Reported: 09-Oct-24 16:04 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-37B**  
SVL Sample ID: **X410376-01 (Ground Water)**

Sampled: 24-Sep-24 10:12  
Received: 25-Sep-24  
Sampled By: JC

Sample Report Page 2 of 2

| Method                              | Analyte              | Result | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|--------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |        |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 4.30   | mg/L  | 0.20  | 0.02  |          | X439061 | RS      | 09/25/24 12:29 |       |
| EPA 300.0                           | Fluoride             | 1.97   | mg/L  | 0.100 | 0.017 |          | X439061 | RS      | 09/25/24 12:29 |       |
| EPA 300.0                           | Nitrate as N         | 0.830  | mg/L  | 0.050 | 0.013 |          | X439061 | RS      | 09/25/24 12:29 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | 0.921  | mg/L  | 0.100 | 0.044 |          | X439061 | RS      | 09/25/24 12:29 |       |
| EPA 300.0                           | Nitrite as N         | 0.091  | mg/L  | 0.050 | 0.031 |          | X439061 | RS      | 09/25/24 12:29 |       |
| EPA 300.0                           | Sulfate as SO4       | 166    | mg/L  | 3.00  | 1.80  | 10       | X439061 | RS      | 09/25/24 12:45 |       |

|                                            |                       |                      |                     |                |  |  |  |  |  |  |
|--------------------------------------------|-----------------------|----------------------|---------------------|----------------|--|--|--|--|--|--|
| <b>Cation/Anion Balance and TDS Ratios</b> |                       |                      |                     |                |  |  |  |  |  |  |
| Cation Sum: 5.13 meq/L                     | Anion Sum: 6.04 meq/L | C/A Balance: -8.23 % | Calculated TDS: 349 | TDS/cTDS: 1.14 |  |  |  |  |  |  |

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410376**

Reported: 09-Oct-24 16:04

Client Sample ID: **GVMW-27**

Sampled: 24-Sep-24 11:31

Received: 25-Sep-24

Sampled By: JC

SVL Sample ID: **X410376-02 (Ground Water)****Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                     |      |      |       |       |    |         |     |                |  |
|-----------|---------------------|------|------|-------|-------|----|---------|-----|----------------|--|
| EPA 200.7 | Calcium             | 582  | mg/L | 1.00  | 0.690 | 10 | X440036 | SJN | 10/03/24 19:23 |  |
| EPA 200.7 | Magnesium           | 336  | mg/L | 0.500 | 0.090 |    | X440036 | SJN | 10/03/24 18:10 |  |
| EPA 200.7 | Potassium           | 14.3 | mg/L | 0.50  | 0.18  |    | X440036 | SJN | 10/03/24 18:10 |  |
| SM 2340 B | Hardness (as CaCO3) | 2740 | mg/L | 2.31  | 0.543 |    | N/A     |     | 10/01/24 11:22 |  |

**Metals (Dissolved)**

|           |            |           |      |         |          |    |         |     |                |     |
|-----------|------------|-----------|------|---------|----------|----|---------|-----|----------------|-----|
| EPA 200.7 | Aluminum   | 609       | mg/L | 0.080   | 0.054    |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Barium     | 0.0238    | mg/L | 0.0020  | 0.0019   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Beryllium  | 0.339     | mg/L | 0.00200 | 0.00080  |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Boron      | 0.0406    | mg/L | 0.0400  | 0.0078   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Cadmium    | 1.23      | mg/L | 0.0020  | 0.0016   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Calcium    | 543       | mg/L | 0.100   | 0.069    |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Chromium   | 0.0987    | mg/L | 0.0060  | 0.0020   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Cobalt     | 1.64      | mg/L | 0.0060  | 0.0046   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Copper     | 2.33      | mg/L | 0.0100  | 0.0027   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Iron       | 68.2      | mg/L | 0.100   | 0.056    |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Lead       | < 0.0075  | mg/L | 0.0075  | 0.0049   |    | X440048 | SJN | 10/01/24 15:26 |     |
| EPA 200.7 | Lithium    | 0.097     | mg/L | 0.040   | 0.025    |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Magnesium  | 351       | mg/L | 0.500   | 0.090    |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Manganese  | 179       | mg/L | 0.0800  | 0.0340   | 10 | X440048 | SJN | 10/01/24 15:49 |     |
| EPA 200.7 | Molybdenum | < 0.0080  | mg/L | 0.0080  | 0.0034   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Nickel     | 1.91      | mg/L | 0.0100  | 0.0048   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Potassium  | 14.2      | mg/L | 0.50    | 0.18     |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Silver     | < 0.0050  | mg/L | 0.0050  | 0.0019   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Sodium     | 182       | mg/L | 0.50    | 0.12     |    | X440048 | SJN | 10/01/24 15:26 |     |
| EPA 200.7 | Vanadium   | < 0.0050  | mg/L | 0.0050  | 0.0019   |    | X440048 | SJN | 10/01/24 11:22 |     |
| EPA 200.7 | Zinc       | 50.1      | mg/L | 0.100   | 0.0540   | 10 | X440048 | SJN | 10/01/24 15:49 |     |
| EPA 200.8 | Antimony   | < 0.00100 | mg/L | 0.00100 | 0.00072  |    | X441005 | JRR | 10/09/24 09:58 |     |
| EPA 200.8 | Arsenic    | < 0.0500  | mg/L | 0.0500  | 0.0105   | 50 | X441005 | JRR | 10/09/24 11:19 | D17 |
| EPA 200.8 | Selenium   | 0.0646    | mg/L | 0.0500  | 0.0120   | 50 | X441005 | JRR | 10/09/24 11:19 | D17 |
| EPA 200.8 | Thallium   | < 0.00200 | mg/L | 0.00200 | 0.000800 | 10 | X441005 | JRR | 10/09/24 11:09 | D17 |
| EPA 200.8 | Uranium    | 2.64      | mg/L | 0.00100 | 0.000520 | 10 | X441005 | JRR | 10/09/24 11:09 | D17 |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439193 | MAC | 10/04/24 14:55 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |  |         |     |                |    |
|-------------|-------------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X439155 | DD  | 10/01/24 13:24 |    |
| EPA 335.4   | Cyanide (total)               | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X440014 | DD  | 10/01/24 13:06 |    |
| EPA 350.1   | Ammonia as N                  | < 0.030  | mg/L          | 0.030  | 0.013  |  | X439148 | DD  | 09/27/24 15:27 |    |
| OIA 1677    | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X441035 | DD  | 10/07/24 14:30 |    |
| SM 2310 B   | Acidity to pH 8.3             | 4750     | mg/L as CaCO3 | 10.0   |        |  | X439181 | MWD | 09/28/24 09:35 |    |
| SM 2320 B   | Total Alkalinity              | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:22 |    |
| SM 2320 B   | Bicarbonate                   | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:22 |    |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:22 |    |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:22 |    |
| SM 2540 C   | Total Diss. Solids            | 10000    | mg/L          | 100    |        |  | X439171 | TJL | 09/30/24 13:10 |    |
| SM 2540 D   | Total Susp. Solids            | 36.0     | mg/L          | 5.0    |        |  | X439172 | TJL | 09/30/24 14:10 |    |
| SM 4500 H B | pH @20.9°C                    | 3.9      | pH Units      |        |        |  | X439132 | MWD | 09/27/24 19:22 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 15



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|                                                                             |  |  |  |  |                                                                                                            |  |  |  |  |
|-----------------------------------------------------------------------------|--|--|--|--|------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Newmont - Cripple Creek & Victor<br>Post Office Box 191<br>Victor, CO 80860 |  |  |  |  | Project Name: Cripple Creek/Victor Water and Soil 2024<br>Work Order: X410376<br>Reported: 09-Oct-24 16:04 |  |  |  |  |
|-----------------------------------------------------------------------------|--|--|--|--|------------------------------------------------------------------------------------------------------------|--|--|--|--|

Client Sample ID: **GVMW-27**  
SVL Sample ID: **X410376-02 (Ground Water)**

Sampled: 24-Sep-24 11:31  
Received: 25-Sep-24  
Sampled By: JC

Sample Report Page 2 of 2

| Method                       | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| Anions by Ion Chromatography |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                    | Chloride             | 31.3    | mg/L  | 2.00  | 0.22  | 10       | X439061 | RS      | 09/25/24 13:26 |       |
| EPA 300.0                    | Fluoride             | 47.2    | mg/L  | 25.0  | 4.25  | 250      | X439061 | RS      | 09/25/24 13:42 |       |
| EPA 300.0                    | Nitrate as N         | 1.20    | mg/L  | 0.500 | 0.130 | 10       | X439061 | RS      | 09/25/24 13:26 | D18   |
| EPA 300.0                    | Nitrate+Nitrite as N | 1.24    | mg/L  | 1.00  | 0.440 | 10       | X439061 | RS      | 09/25/24 13:26 | D18   |
| EPA 300.0                    | Nitrite as N         | < 0.500 | mg/L  | 0.500 | 0.310 | 10       | X439061 | RS      | 09/25/24 13:26 | D18   |
| EPA 300.0                    | Sulfate as SO4       | 7590    | mg/L  | 75.0  | 45.0  | 250      | X439061 | RS      | 09/25/24 13:42 |       |

Cation/Anion Balance and TDS Ratios

|                       |                      |                      |                      |                |
|-----------------------|----------------------|----------------------|----------------------|----------------|
| Cation Sum: 158 meq/L | Anion Sum: 162 meq/L | C/A Balance: -1.09 % | Calculated TDS: 8776 | TDS/cTDS: 1.14 |
|-----------------------|----------------------|----------------------|----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410376**

Reported: 09-Oct-24 16:04

Client Sample ID: **GVMW-36**

Sampled: 24-Sep-24 13:20

Received: 25-Sep-24

Sampled By: JC

SVL Sample ID: **X410376-03 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                     |      |      |       |       |    |         |     |                |  |
|-----------|---------------------|------|------|-------|-------|----|---------|-----|----------------|--|
| EPA 200.7 | Calcium             | 491  | mg/L | 1.00  | 0.690 | 10 | X440036 | SJN | 10/03/24 19:26 |  |
| EPA 200.7 | Magnesium           | 325  | mg/L | 0.500 | 0.090 |    | X440036 | SJN | 10/03/24 18:25 |  |
| EPA 200.7 | Potassium           | 9.08 | mg/L | 0.50  | 0.18  |    | X440036 | SJN | 10/03/24 18:25 |  |
| SM 2340 B | Hardness (as CaCO3) | 2450 | mg/L | 2.31  | 0.543 |    | N/A     |     | 10/03/24 18:25 |  |

**Metals (Dissolved)**

|           |            |           |      |         |          |    |         |     |                |     |
|-----------|------------|-----------|------|---------|----------|----|---------|-----|----------------|-----|
| EPA 200.7 | Aluminum   | 379       | mg/L | 0.080   | 0.054    |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Barium     | 0.0151    | mg/L | 0.0020  | 0.0019   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Beryllium  | 0.123     | mg/L | 0.00200 | 0.00080  |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Boron      | < 0.0400  | mg/L | 0.0400  | 0.0078   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Cadmium    | 1.04      | mg/L | 0.0020  | 0.0016   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Calcium    | 491       | mg/L | 0.100   | 0.069    |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Chromium   | 0.0940    | mg/L | 0.0060  | 0.0020   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Cobalt     | 2.33      | mg/L | 0.0060  | 0.0046   |    | X440048 | SJN | 10/01/24 18:32 |     |
| EPA 200.7 | Copper     | 1.68      | mg/L | 0.0100  | 0.0027   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Iron       | 15.7      | mg/L | 0.100   | 0.056    |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Lead       | 0.0194    | mg/L | 0.0075  | 0.0049   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Lithium    | 0.162     | mg/L | 0.040   | 0.025    |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Magnesium  | 297       | mg/L | 0.500   | 0.090    |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Manganese  | 101       | mg/L | 0.0800  | 0.0340   | 10 | X440048 | SJN | 10/01/24 15:53 |     |
| EPA 200.7 | Molybdenum | < 0.0080  | mg/L | 0.0080  | 0.0034   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Nickel     | 2.03      | mg/L | 0.0100  | 0.0048   |    | X440048 | SJN | 10/01/24 18:32 |     |
| EPA 200.7 | Potassium  | 8.66      | mg/L | 0.50    | 0.18     |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Silver     | < 0.0050  | mg/L | 0.0050  | 0.0019   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Sodium     | 34.4      | mg/L | 0.50    | 0.12     |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Vanadium   | < 0.0050  | mg/L | 0.0050  | 0.0019   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.7 | Zinc       | 41.4      | mg/L | 0.0100  | 0.0054   |    | X440048 | SJN | 10/01/24 15:30 |     |
| EPA 200.8 | Antimony   | < 0.00100 | mg/L | 0.00100 | 0.00072  |    | X441005 | JRR | 10/09/24 10:22 |     |
| EPA 200.8 | Arsenic    | < 0.0500  | mg/L | 0.0500  | 0.0105   | 50 | X441005 | JRR | 10/09/24 11:21 | D17 |
| EPA 200.8 | Selenium   | < 0.0500  | mg/L | 0.0500  | 0.0120   | 50 | X441005 | JRR | 10/09/24 11:21 | D17 |
| EPA 200.8 | Thallium   | < 0.00200 | mg/L | 0.00200 | 0.000800 | 10 | X441005 | JRR | 10/09/24 11:12 | D17 |
| EPA 200.8 | Uranium    | 1.88      | mg/L | 0.00100 | 0.000520 | 10 | X441005 | JRR | 10/09/24 11:12 | D17 |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439193 | MAC | 10/04/24 14:58 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |  |         |     |                |    |
|-------------|-------------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X439155 | DD  | 10/01/24 13:26 |    |
| EPA 335.4   | Cyanide (total)               | 0.0182   | mg/L          | 0.0050 | 0.0038 |  | X440014 | DD  | 10/01/24 13:09 |    |
| EPA 350.1   | Ammonia as N                  | < 0.030  | mg/L          | 0.030  | 0.013  |  | X439148 | DD  | 09/27/24 15:29 |    |
| OIA 1677    | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X441035 | DD  | 10/07/24 14:32 |    |
| SM 2310 B   | Acidity to pH 8.3             | 3640     | mg/L as CaCO3 | 10.0   |        |  | X439181 | MWD | 09/28/24 09:35 |    |
| SM 2320 B   | Total Alkalinity              | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:28 |    |
| SM 2320 B   | Bicarbonate                   | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:28 |    |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:28 |    |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:28 |    |
| SM 2540 C   | Total Diss. Solids            | 7160     | mg/L          | 40     |        |  | X439171 | TJL | 09/30/24 13:10 |    |
| SM 2540 D   | Total Susp. Solids            | 33.0     | mg/L          | 5.0    |        |  | X439172 | TJL | 09/30/24 14:10 |    |
| SM 4500 H B | pH @21.0°C                    | 3.6      | pH Units      |        |        |  | X439132 | MWD | 09/27/24 19:28 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 15



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|                                                                             |                                                                                                            |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Newmont - Cripple Creek & Victor<br>Post Office Box 191<br>Victor, CO 80860 | Project Name: Cripple Creek/Victor Water and Soil 2024<br>Work Order: X410376<br>Reported: 09-Oct-24 16:04 |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|

Client Sample ID: GVMW-36  
SVL Sample ID: X410376-03 (Ground Water)

Sampled: 24-Sep-24 13:20  
Received: 25-Sep-24  
Sampled By: JC

Sample Report Page 2 of 2

| Method                       | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| Anions by Ion Chromatography |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                    | Chloride             | 9.99    | mg/L  | 1.00  | 0.11  | 5        | X439061 | RS      | 09/25/24 13:57 | D18   |
| EPA 300.0                    | Fluoride             | < 0.500 | mg/L  | 0.500 | 0.085 | 5        | X439061 | RS      | 09/25/24 13:57 | D18   |
| EPA 300.0                    | Nitrate as N         | 1.93    | mg/L  | 0.250 | 0.065 | 5        | X439061 | RS      | 09/25/24 13:57 | D18   |
| EPA 300.0                    | Nitrate+Nitrite as N | 1.96    | mg/L  | 0.500 | 0.220 | 5        | X439061 | RS      | 09/25/24 13:57 | D18   |
| EPA 300.0                    | Nitrite as N         | < 0.250 | mg/L  | 0.250 | 0.155 | 5        | X439061 | RS      | 09/25/24 13:57 | D18   |
| EPA 300.0                    | Sulfate as SO4       | 5340    | mg/L  | 75.0  | 45.0  | 250      | X439061 | RS      | 09/26/24 10:46 |       |

Cation/Anion Balance and TDS Ratios

|                       |                      |                     |                      |                |
|-----------------------|----------------------|---------------------|----------------------|----------------|
| Cation Sum: 123 meq/L | Anion Sum: 112 meq/L | C/A Balance: 5.04 % | Calculated TDS: 6204 | TDS/cTDS: 1.15 |
|-----------------------|----------------------|---------------------|----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410376**

Reported: 09-Oct-24 16:04

Client Sample ID: **GVMW-35B**

Sampled: 24-Sep-24 14:44

Received: 25-Sep-24

Sampled By: JC

SVL Sample ID: **X410376-04 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 340  | mg/L | 0.100 | 0.069 |  | X440036 | SJN | 10/03/24 18:29 |  |
| EPA 200.7 | <b>Magnesium</b>           | 95.2 | mg/L | 0.500 | 0.090 |  | X440036 | SJN | 10/03/24 18:29 |  |
| EPA 200.7 | <b>Potassium</b>           | 43.9 | mg/L | 0.50  | 0.18  |  | X440036 | SJN | 10/03/24 18:29 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 1170 | mg/L | 2.31  | 0.543 |  | N/A     |     | 10/03/24 18:29 |  |

**Metals (Dissolved)**

|           |                   |            |      |          |          |  |         |     |                |  |
|-----------|-------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum          | < 0.080    | mg/L | 0.080    | 0.054    |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | <b>Barium</b>     | 0.0424     | mg/L | 0.0020   | 0.0019   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Beryllium         | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Boron             | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Cadmium           | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | <b>Calcium</b>    | 347        | mg/L | 0.100    | 0.069    |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Chromium          | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Cobalt            | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X440048 | SJN | 10/01/24 18:36 |  |
| EPA 200.7 | Copper            | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Iron              | < 0.100    | mg/L | 0.100    | 0.056    |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Lead              | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Lithium           | < 0.040    | mg/L | 0.040    | 0.025    |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | <b>Magnesium</b>  | 78.0       | mg/L | 0.500    | 0.090    |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | <b>Manganese</b>  | 0.171      | mg/L | 0.0080   | 0.0034   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | <b>Molybdenum</b> | 0.0150     | mg/L | 0.0080   | 0.0034   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Nickel            | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X440048 | SJN | 10/01/24 18:36 |  |
| EPA 200.7 | <b>Potassium</b>  | 44.9       | mg/L | 0.50     | 0.18     |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Silver            | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | <b>Sodium</b>     | 39.4       | mg/L | 0.50     | 0.12     |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Vanadium          | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.7 | Zinc              | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X440048 | SJN | 10/01/24 15:33 |  |
| EPA 200.8 | Antimony          | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X441005 | JRR | 10/09/24 10:24 |  |
| EPA 200.8 | Arsenic           | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X441005 | JRR | 10/09/24 10:24 |  |
| EPA 200.8 | <b>Selenium</b>   | 0.00244    | mg/L | 0.00100  | 0.00024  |  | X441005 | JRR | 10/09/24 10:24 |  |
| EPA 200.8 | Thallium          | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X441005 | JRR | 10/09/24 10:24 |  |
| EPA 200.8 | <b>Uranium</b>    | 0.00200    | mg/L | 0.000100 | 0.000052 |  | X441005 | JRR | 10/09/24 10:24 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X439193 | MAC | 10/04/24 15:00 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |  |         |     |                |    |
|-------------|-------------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X439155 | DD  | 10/01/24 13:28 |    |
| EPA 335.4   | Cyanide (total)               | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X440014 | DD  | 10/01/24 13:11 |    |
| EPA 350.1   | Ammonia as N                  | < 0.030  | mg/L          | 0.030  | 0.013  |  | X439148 | DD  | 09/27/24 15:41 |    |
| OIA 1677    | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X441035 | DD  | 10/07/24 14:40 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>      | -28.3    | mg/L as CaCO3 | 10.0   |        |  | X439181 | MWD | 09/28/24 09:35 |    |
| SM 2320 B   | <b>Total Alkalinity</b>       | 32.7     | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:33 |    |
| SM 2320 B   | <b>Bicarbonate</b>            | 5.6      | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:33 |    |
| SM 2320 B   | <b>Carbonate</b>              | 27.1     | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:33 |    |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X439132 | MWD | 09/27/24 19:33 |    |
| SM 2540 C   | <b>Total Diss. Solids</b>     | 1880     | mg/L          | 40     |        |  | X439171 | TJL | 09/30/24 13:10 |    |
| SM 2540 D   | <b>Total Susp. Solids</b>     | 75.0     | mg/L          | 5.0    |        |  | X439172 | TJL | 09/30/24 14:10 |    |
| SM 4500 H B | <b>pH @21.2°C</b>             | 9.9      | pH Units      |        |        |  | X439132 | MWD | 09/27/24 19:33 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 15



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|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| Newmont - Cripple Creek & Victor | Project Name: Cripple Creek/Victor Water and Soil 2024 |
| Post Office Box 191              | Work Order: X410376                                    |
| Victor, CO 80860                 | Reported: 09-Oct-24 16:04                              |

Client Sample ID: **GVMW-35B**  
SVL Sample ID: **X410376-04 (Ground Water)**

Sampled: 24-Sep-24 14:44  
Received: 25-Sep-24  
Sampled By: JC

Sample Report Page 2 of 2

| Method                       | Analyte              | Result | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|------------------------------|----------------------|--------|-------|-------|-------|----------|---------|---------|----------------|-------|
| Anions by Ion Chromatography |                      |        |       |       |       |          |         |         |                |       |
| EPA 300.0                    | Chloride             | 80.0   | mg/L  | 10.0  | 1.10  | 50       | X439061 | RS      | 09/25/24 14:45 |       |
| EPA 300.0                    | Fluoride             | 0.102  | mg/L  | 0.100 | 0.017 |          | X439061 | RS      | 09/25/24 14:29 |       |
| EPA 300.0                    | Nitrate as N         | 9.69   | mg/L  | 2.50  | 0.650 | 50       | X439061 | RS      | 09/25/24 14:45 |       |
| EPA 300.0                    | Nitrate+Nitrite as N | 9.88   | mg/L  | 0.100 | 0.044 |          | X439061 | RS      | 09/25/24 14:29 |       |
| EPA 300.0                    | Nitrite as N         | 0.185  | mg/L  | 0.050 | 0.031 |          | X439061 | RS      | 09/25/24 14:29 |       |
| EPA 300.0                    | Sulfate as SO4       | 1180   | mg/L  | 15.0  | 9.00  | 50       | X439061 | RS      | 09/25/24 14:45 |       |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                      |                |
|------------------------|-----------------------|----------------------|----------------------|----------------|
| Cation Sum: 26.2 meq/L | Anion Sum: 28.2 meq/L | C/A Balance: -3.58 % | Calculated TDS: 1837 | TDS/cTDS: 1.02 |
|------------------------|-----------------------|----------------------|----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410376**

Reported: 09-Oct-24 16:04

**Quality Control - BLANK Data**

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|--------|---------|-------|--------|-----|-----|----------|----------|-------|
|--------|---------|-------|--------|-----|-----|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |        |       |       |         |           |  |
|-----------|-----------|------|--------|-------|-------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | <0.100 | 0.069 | 0.100 | X440036 | 03-Oct-24 |  |
| EPA 200.7 | Magnesium | mg/L | <0.500 | 0.090 | 0.500 | X440036 | 03-Oct-24 |  |
| EPA 200.7 | Potassium | mg/L | <0.50  | 0.18  | 0.50  | X440036 | 03-Oct-24 |  |

**Metals (Dissolved)**

|           |            |      |           |          |          |         |           |  |
|-----------|------------|------|-----------|----------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | <0.080    | 0.054    | 0.080    | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Barium     | mg/L | <0.0020   | 0.0019   | 0.0020   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Beryllium  | mg/L | <0.00200  | 0.00080  | 0.00200  | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Boron      | mg/L | <0.0400   | 0.0078   | 0.0400   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Cadmium    | mg/L | <0.0020   | 0.0016   | 0.0020   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Calcium    | mg/L | <0.100    | 0.069    | 0.100    | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Chromium   | mg/L | <0.0060   | 0.0020   | 0.0060   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Cobalt     | mg/L | <0.0060   | 0.0046   | 0.0060   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Copper     | mg/L | <0.0100   | 0.0027   | 0.0100   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Iron       | mg/L | <0.100    | 0.056    | 0.100    | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Lead       | mg/L | <0.0075   | 0.0049   | 0.0075   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Lithium    | mg/L | <0.040    | 0.025    | 0.040    | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Magnesium  | mg/L | <0.500    | 0.090    | 0.500    | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Manganese  | mg/L | <0.0080   | 0.0034   | 0.0080   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Molybdenum | mg/L | <0.0080   | 0.0034   | 0.0080   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Nickel     | mg/L | <0.0100   | 0.0048   | 0.0100   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Potassium  | mg/L | <0.50     | 0.18     | 0.50     | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Silver     | mg/L | <0.0050   | 0.0019   | 0.0050   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Sodium     | mg/L | <0.50     | 0.12     | 0.50     | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Vanadium   | mg/L | <0.0050   | 0.0019   | 0.0050   | X440048 | 01-Oct-24 |  |
| EPA 200.7 | Zinc       | mg/L | <0.0100   | 0.0054   | 0.0100   | X440048 | 01-Oct-24 |  |
| EPA 200.8 | Antimony   | mg/L | <0.00100  | 0.00072  | 0.00100  | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Arsenic    | mg/L | <0.00100  | 0.00021  | 0.00100  | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Selenium   | mg/L | <0.00100  | 0.00024  | 0.00100  | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Thallium   | mg/L | <0.000200 | 0.00008  | 0.000200 | X441005 | 09-Oct-24 |  |
| EPA 200.8 | Uranium    | mg/L | <0.000100 | 0.000052 | 0.000100 | X441005 | 09-Oct-24 |  |

**Metals (Filtered)**

|           |         |      |           |          |          |         |           |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | <0.000200 | 0.000093 | 0.000200 | X439193 | 04-Oct-24 |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |         |        |        |         |           |  |
|------------|-----------------------|---------------|---------|--------|--------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | <0.0050 | 0.0048 | 0.0050 | X439155 | 01-Oct-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | <0.0050 | 0.0038 | 0.0050 | X440014 | 01-Oct-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | <0.030  | 0.013  | 0.030  | X439148 | 27-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | <0.0050 | 0.0010 | 0.0050 | X441035 | 07-Oct-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0   |        | 10.0   | X439181 | 28-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | <1.0    |        | 1.0    | X439132 | 27-Sep-24 |  |
| SM 2320 B  | Bicarbonate           | mg/L as CaCO3 | <1.0    |        | 1.0    | X439132 | 27-Sep-24 |  |
| SM 2320 B  | Carbonate             | mg/L as CaCO3 | <1.0    |        | 1.0    | X439132 | 27-Sep-24 |  |
| SM 2320 B  | Hydroxide             | mg/L as CaCO3 | <1.0    |        | 1.0    | X439132 | 27-Sep-24 |  |
| SM 2540 C  | Total Diss. Solids    | mg/L          | <10     |        | 10     | X439171 | 30-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | <5.0    |        | 5.0    | X439172 | 30-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |        |       |       |         |           |  |
|-----------|----------------------|------|--------|-------|-------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | <0.20  | 0.02  | 0.20  | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | <0.100 | 0.017 | 0.100 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | <0.050 | 0.013 | 0.050 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | <0.100 | 0.044 | 0.100 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | <0.050 | 0.031 | 0.050 | X439061 | 25-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | <0.30  | 0.18  | 0.30  | X439061 | 25-Sep-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 10 of 15

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410376**

Reported: 09-Oct-24 16:04

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method                                                                | Analyte               | Units         | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|---------------|------------|----------|--------|-------------------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |               |            |          |        |                   |          |           |       |
| EPA 200.7                                                             | Calcium               | mg/L          | 19.4       | 20.0     | 97     | 85 - 115          | X440036  | 03-Oct-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | 19.6       | 20.0     | 97.9   | 85 - 115          | X440036  | 03-Oct-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | 19.5       | 20.0     | 97.5   | 85 - 115          | X440036  | 03-Oct-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |               |            |          |        |                   |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L          | 0.932      | 1.00     | 93.2   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Barium                | mg/L          | 0.934      | 1.00     | 93.4   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L          | 0.944      | 1.00     | 94.4   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L          | 0.918      | 1.00     | 91.8   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Cadmium               | mg/L          | 0.929      | 1.00     | 92.9   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L          | 18.4       | 20.0     | 91.8   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L          | 0.940      | 1.00     | 94.0   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Cobalt                | mg/L          | 0.908      | 1.00     | 90.8   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Copper                | mg/L          | 0.912      | 1.00     | 91.2   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L          | 9.40       | 10.0     | 94.0   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Lead                  | mg/L          | 0.902      | 1.00     | 90.2   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Lithium               | mg/L          | 0.883      | 1.00     | 88.3   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | 18.1       | 20.0     | 90.6   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L          | 0.918      | 1.00     | 91.8   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L          | 0.931      | 1.00     | 93.1   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L          | 0.906      | 1.00     | 90.6   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | 18.7       | 20.0     | 93.6   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Silver                | mg/L          | 0.0484     | 0.0500   | 96.8   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L          | 17.7       | 19.0     | 93.1   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Vanadium              | mg/L          | 0.956      | 1.00     | 95.6   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L          | 0.946      | 1.00     | 94.6   | 85 - 115          | X440048  | 01-Oct-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | 0.0260     | 0.0250   | 104    | 85 - 115          | X441005  | 09-Oct-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | 0.0261     | 0.0250   | 104    | 85 - 115          | X441005  | 09-Oct-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | 0.0255     | 0.0250   | 102    | 85 - 115          | X441005  | 09-Oct-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | 0.0256     | 0.0250   | 102    | 85 - 115          | X441005  | 09-Oct-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | 0.0256     | 0.0250   | 102    | 85 - 115          | X441005  | 09-Oct-24 |       |
| <b>Metals (Filtered)</b>                                              |                       |               |            |          |        |                   |          |           |       |
| EPA 245.1                                                             | Mercury               | mg/L          | 0.00211    | 0.00200  | 105    | 85 - 115          | X439193  | 04-Oct-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |               |            |          |        |                   |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L          | 0.104      | 0.100    | 104    | 90 - 110          | X439155  | 01-Oct-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L          | 0.0995     | 0.100    | 99.5   | 90 - 110          | X440014  | 01-Oct-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | 0.992      | 1.00     | 99.2   | 90 - 110          | X439148  | 27-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | 1.00       | 1.00     | 100    | 90 - 110          | X439148  | 27-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | 1.01       | 1.00     | 101    | 90 - 110          | X439148  | 27-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | 1.00       | 1.00     | 100    | 90 - 110          | X439148  | 27-Sep-24 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L          | 0.0990     | 0.100    | 99.0   | 90 - 110          | X441035  | 07-Oct-24 |       |
| SM 2310 B                                                             | Acidity to pH 8.3     | mg/L as CaCO3 | 897        | 884      | 102    | 95.4 - 104        | X439181  | 28-Sep-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | 99.6       | 99.3     | 100    | 96.4 - 105        | X439132  | 27-Sep-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | 9.80       | 9.93     | 98.7   | 96.4 - 105        | X439132  | 27-Sep-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | 408        | 397      | 103    | 96.4 - 105        | X439132  | 27-Sep-24 |       |
| SM 2540 D                                                             | Total Susp. Solids    | mg/L          | 10.0       | 10.0     | 100    | 85 - 115          | X439172  | 30-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |               |            |          |        |                   |          |           |       |
| EPA 300.0                                                             | Chloride              | mg/L          | 3.03       | 3.00     | 101    | 90 - 110          | X439061  | 25-Sep-24 |       |
| EPA 300.0                                                             | Fluoride              | mg/L          | 2.02       | 2.00     | 101    | 90 - 110          | X439061  | 25-Sep-24 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L          | 1.98       | 2.00     | 99.0   | 90 - 110          | X439061  | 25-Sep-24 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L          | 4.52       | 4.50     | 100    | 90 - 110          | X439061  | 25-Sep-24 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L          | 2.54       | 2.50     | 101    | 90 - 110          | X439061  | 25-Sep-24 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L          | 10.3       | 10.0     | 103    | 90 - 110          | X439061  | 25-Sep-24 |       |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410376**

Reported: 09-Oct-24 16:04

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|-----|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |     |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | 478              | 478           | 0.0 | 20        | X439181 - X410277-01 | 28-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 141              | 141           | 0.1 | 20        | X439132 - X410375-01 | 27-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 141              | 141           | 0.1 | 20        | X439132 - X410375-01 | 27-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X439132 - X410375-01 | 27-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X439132 - X410375-01 | 27-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 217              | 221           | 1.8 | 10        | X439171 - X410432-01 | 30-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 336              | 349           | 3.8 | 10        | X439171 - X410432-02 | 30-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | 5.0              | <5.0          | <RL | 10        | X439172 - X410432-02 | 30-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | UDL | 10        | X439172 - X410432-01 | 30-Sep-24 |       |
| SM 4500 H B                           | pH @20.9°C         | pH Units                  | 8.2              | 8.2           | 0.1 | 20        | X439132 - X410375-01 | 27-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                         | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|----------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| Metals (Total Recoverable--reportable as Total per 40 CFR 136) |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 78.3         | 58.9              | 20.0            | 97     | 70 - 130          | X440036 - X4I0375-01 | 03-Oct-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 309          | 288               | 20.0            | 105    | 70 - 130          | X440036 - X4I0384-02 | 03-Oct-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 33.7         | 13.4              | 20.0            | 101    | 70 - 130          | X440036 - X4I0375-01 | 03-Oct-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 330          | 315               | 20.0            | 76.8   | 70 - 130          | X440036 - X4I0384-02 | 03-Oct-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 27.3         | 8.18              | 20.0            | 95.8   | 70 - 130          | X440036 - X4I0375-01 | 03-Oct-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 58.5         | 38.8              | 20.0            | 98.8   | 70 - 130          | X440036 - X4I0384-02 | 03-Oct-24 |       |
| Metals (Dissolved)                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.25         | 0.300             | 1.00            | 95.4   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.02         | <0.080            | 1.00            | 94.8   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 1.00         | 0.0830            | 1.00            | 91.9   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 0.922        | 0.0186            | 1.00            | 90.3   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 0.974        | <0.00200          | 1.00            | 97.4   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 0.954        | <0.00200          | 1.00            | 95.4   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 1.37         | 0.449             | 1.00            | 92.1   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 0.981        | 0.0655            | 1.00            | 91.6   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Cadmium   | mg/L  | 0.916        | <0.0020           | 1.00            | 91.6   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Cadmium   | mg/L  | 0.895        | <0.0020           | 1.00            | 89.5   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 24.8         | 6.41              | 20.0            | 92.0   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 45.9         | 28.6              | 20.0            | 86.9   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Chromium  | mg/L  | 0.929        | <0.0060           | 1.00            | 92.9   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Chromium  | mg/L  | 0.909        | <0.0060           | 1.00            | 90.7   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Cobalt    | mg/L  | 0.914        | <0.0060           | 1.00            | 91.4   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Cobalt    | mg/L  | 0.899        | <0.0060           | 1.00            | 89.9   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Copper    | mg/L  | 0.956        | <0.0100           | 1.00            | 95.6   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Copper    | mg/L  | 0.955        | <0.0100           | 1.00            | 95.5   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Iron      | mg/L  | 9.50         | <0.100            | 10.0            | 95.0   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Iron      | mg/L  | 9.52         | 0.240             | 10.0            | 92.8   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Lead      | mg/L  | 0.901        | <0.0075           | 1.00            | 90.1   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Lead      | mg/L  | 0.882        | <0.0075           | 1.00            | 88.2   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Lithium   | mg/L  | 2.15         | 1.09              | 1.00            | 107    | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Lithium   | mg/L  | 1.96         | 0.924             | 1.00            | 104    | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 19.7         | <0.500            | 20.0            | 98.6   | 70 - 130          | X440048 - X4I0381-01 | 01-Oct-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 29.5         | 9.81              | 20.0            | 98.7   | 70 - 130          | X440048 - X4I0381-02 | 01-Oct-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 12 of 15



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)

**Newmont - Cripple Creek & Victor**  
Post Office Box 191  
Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**  
Work Order: **X4I0376**  
Reported: 09-Oct-24 16:04

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Metals (Dissolved) (Continued)**

|           |            |      |        |           |        |         |          |                      |           |    |
|-----------|------------|------|--------|-----------|--------|---------|----------|----------------------|-----------|----|
| EPA 200.7 | Manganese  | mg/L | 0.920  | <0.0080   | 1.00   | 92.0    | 70 - 130 | X440048 - X4I0381-01 | 01-Oct-24 |    |
| EPA 200.7 | Manganese  | mg/L | 0.927  | 0.0312    | 1.00   | 89.6    | 70 - 130 | X440048 - X4I0381-02 | 01-Oct-24 |    |
| EPA 200.7 | Molybdenum | mg/L | 0.953  | 0.0258    | 1.00   | 92.7    | 70 - 130 | X440048 - X4I0381-01 | 01-Oct-24 |    |
| EPA 200.7 | Molybdenum | mg/L | 0.923  | <0.0080   | 1.00   | 91.8    | 70 - 130 | X440048 - X4I0381-02 | 01-Oct-24 |    |
| EPA 200.7 | Nickel     | mg/L | 0.910  | <0.0100   | 1.00   | 91.0    | 70 - 130 | X440048 - X4I0381-01 | 01-Oct-24 |    |
| EPA 200.7 | Nickel     | mg/L | 0.899  | <0.0100   | 1.00   | 89.9    | 70 - 130 | X440048 - X4I0381-02 | 01-Oct-24 |    |
| EPA 200.7 | Potassium  | mg/L | 23.2   | 4.89      | 20.0   | 91.7    | 70 - 130 | X440048 - X4I0381-01 | 01-Oct-24 |    |
| EPA 200.7 | Potassium  | mg/L | 21.9   | 3.72      | 20.0   | 90.7    | 70 - 130 | X440048 - X4I0381-02 | 01-Oct-24 |    |
| EPA 200.7 | Silver     | mg/L | 0.0414 | <0.0050   | 0.0500 | 82.9    | 70 - 130 | X440048 - X4I0381-01 | 01-Oct-24 |    |
| EPA 200.7 | Silver     | mg/L | 0.0398 | <0.0050   | 0.0500 | 79.6    | 70 - 130 | X440048 - X4I0381-02 | 01-Oct-24 |    |
| EPA 200.7 | Sodium     | mg/L | 238    | 221       | 19.0   | 90.1    | 70 - 130 | X440048 - X4I0381-01 | 01-Oct-24 |    |
| EPA 200.7 | Sodium     | mg/L | 273    | 269       | 19.0   | 0.30R>S | 70 - 130 | X440048 - X4I0381-02 | 01-Oct-24 | M3 |
| EPA 200.7 | Vanadium   | mg/L | 0.967  | <0.0050   | 1.00   | 96.5    | 70 - 130 | X440048 - X4I0381-01 | 01-Oct-24 |    |
| EPA 200.7 | Vanadium   | mg/L | 0.951  | <0.0050   | 1.00   | 95.1    | 70 - 130 | X440048 - X4I0381-02 | 01-Oct-24 |    |
| EPA 200.7 | Zinc       | mg/L | 0.975  | <0.0100   | 1.00   | 97.5    | 70 - 130 | X440048 - X4I0381-01 | 01-Oct-24 |    |
| EPA 200.7 | Zinc       | mg/L | 0.961  | <0.0100   | 1.00   | 96.1    | 70 - 130 | X440048 - X4I0381-02 | 01-Oct-24 |    |
| EPA 200.8 | Antimony   | mg/L | 0.0266 | <0.00100  | 0.0250 | 107     | 70 - 130 | X441005 - X4I0374-01 | 09-Oct-24 |    |
| EPA 200.8 | Antimony   | mg/L | 0.0275 | <0.00100  | 0.0250 | 110     | 70 - 130 | X441005 - X4I0393-01 | 09-Oct-24 |    |
| EPA 200.8 | Arsenic    | mg/L | 0.0243 | <0.00100  | 0.0250 | 97.1    | 70 - 130 | X441005 - X4I0374-01 | 09-Oct-24 |    |
| EPA 200.8 | Arsenic    | mg/L | 0.0261 | <0.00100  | 0.0250 | 102     | 70 - 130 | X441005 - X4I0393-01 | 09-Oct-24 |    |
| EPA 200.8 | Selenium   | mg/L | 0.0250 | 0.00176   | 0.0250 | 93.1    | 70 - 130 | X441005 - X4I0374-01 | 09-Oct-24 |    |
| EPA 200.8 | Selenium   | mg/L | 0.0251 | <0.00100  | 0.0250 | 100     | 70 - 130 | X441005 - X4I0393-01 | 09-Oct-24 |    |
| EPA 200.8 | Thallium   | mg/L | 0.0236 | <0.000200 | 0.0250 | 94.4    | 70 - 130 | X441005 - X4I0374-01 | 09-Oct-24 |    |
| EPA 200.8 | Thallium   | mg/L | 0.0242 | <0.000200 | 0.0250 | 96.8    | 70 - 130 | X441005 - X4I0393-01 | 09-Oct-24 |    |
| EPA 200.8 | Uranium    | mg/L | 0.0384 | 0.0145    | 0.0250 | 95.5    | 70 - 130 | X441005 - X4I0374-01 | 09-Oct-24 |    |
| EPA 200.8 | Uranium    | mg/L | 0.0304 | 0.00553   | 0.0250 | 99.5    | 70 - 130 | X441005 - X4I0393-01 | 09-Oct-24 |    |

**Metals (Filtered)**

|           |         |      |         |           |         |     |          |                      |           |  |
|-----------|---------|------|---------|-----------|---------|-----|----------|----------------------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00208 | <0.000200 | 0.00200 | 104 | 70 - 130 | X439193 - X4I0376-02 | 04-Oct-24 |  |
| EPA 245.1 | Mercury | mg/L | 0.00213 | <0.000200 | 0.00200 | 106 | 70 - 130 | X439193 - X4I0432-03 | 04-Oct-24 |  |

**Classical Chemistry Parameters**

|            |                       |      |        |         |       |      |          |                      |           |    |
|------------|-----------------------|------|--------|---------|-------|------|----------|----------------------|-----------|----|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.0980 | <0.0050 | 0.100 | 98.0 | 79 - 121 | X439155 - X4I0374-01 | 01-Oct-24 | R4 |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.101  | <0.0050 | 0.100 | 101  | 90 - 110 | X440014 - X4I0374-01 | 01-Oct-24 |    |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.102  | <0.0050 | 0.100 | 102  | 90 - 110 | X440014 - X4I0375-01 | 01-Oct-24 |    |
| EPA 350.1  | Ammonia as N          | mg/L | 1.01   | <0.030  | 1.00  | 101  | 90 - 110 | X439148 - X4I0375-02 | 27-Sep-24 |    |
| EPA 350.1  | Ammonia as N          | mg/L | 1.01   | <0.030  | 1.00  | 101  | 90 - 110 | X439148 - X4I0375-01 | 27-Sep-24 |    |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.0930 | 0.0080  | 0.100 | 85.0 | 82 - 118 | X441035 - X4I0374-01 | 07-Oct-24 | R4 |

**Anions by Ion Chromatography**

|           |                      |      |      |        |      |      |          |                      |           |  |
|-----------|----------------------|------|------|--------|------|------|----------|----------------------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 4.23 | 1.23   | 3.00 | 100  | 90 - 110 | X439061 - X4I0358-02 | 25-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.01 | <0.100 | 2.00 | 101  | 90 - 110 | X439061 - X4I0358-02 | 25-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 1.98 | <0.050 | 2.00 | 97.2 | 90 - 110 | X439061 - X4I0358-02 | 25-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.00 | <0.100 | 4.00 | 99.9 | 90 - 110 | X439061 - X4I0358-02 | 25-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.01 | <0.050 | 2.00 | 101  | 90 - 110 | X439061 - X4I0358-02 | 25-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 11.9 | 1.98   | 10.0 | 99.5 | 90 - 110 | X439061 - X4I0358-02 | 25-Sep-24 |  |



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Kellogg, ID 83837-0929

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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410376**

Reported: 09-Oct-24 16:04

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |     |    |      |                      |  |
|-----------|-----------|------|------|------|------|-----|----|------|----------------------|--|
| EPA 200.7 | Calcium   | mg/L | 77.2 | 78.3 | 20.0 | 1.0 | 20 | 91   | X440036 - X410375-01 |  |
| EPA 200.7 | Magnesium | mg/L | 33.3 | 33.7 | 20.0 | 1.0 | 20 | 99.4 | X440036 - X410375-01 |  |
| EPA 200.7 | Potassium | mg/L | 27.2 | 27.3 | 20.0 | 0.4 | 20 | 95.3 | X440036 - X410375-01 |  |

**Metals (Dissolved)**

|           |            |      |        |        |        |     |    |      |                      |  |
|-----------|------------|------|--------|--------|--------|-----|----|------|----------------------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.24   | 1.25   | 1.00   | 0.9 | 20 | 94.2 | X440048 - X410381-01 |  |
| EPA 200.7 | Barium     | mg/L | 1.00   | 1.00   | 1.00   | 0.2 | 20 | 91.7 | X440048 - X410381-01 |  |
| EPA 200.7 | Beryllium  | mg/L | 0.950  | 0.974  | 1.00   | 2.5 | 20 | 95.0 | X440048 - X410381-01 |  |
| EPA 200.7 | Boron      | mg/L | 1.36   | 1.37   | 1.00   | 0.9 | 20 | 90.9 | X440048 - X410381-01 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.912  | 0.916  | 1.00   | 0.4 | 20 | 91.2 | X440048 - X410381-01 |  |
| EPA 200.7 | Calcium    | mg/L | 24.6   | 24.8   | 20.0   | 0.9 | 20 | 90.8 | X440048 - X410381-01 |  |
| EPA 200.7 | Chromium   | mg/L | 0.915  | 0.929  | 1.00   | 1.6 | 20 | 91.5 | X440048 - X410381-01 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.909  | 0.914  | 1.00   | 0.5 | 20 | 90.9 | X440048 - X410381-01 |  |
| EPA 200.7 | Copper     | mg/L | 0.944  | 0.956  | 1.00   | 1.2 | 20 | 94.4 | X440048 - X410381-01 |  |
| EPA 200.7 | Iron       | mg/L | 9.40   | 9.50   | 10.0   | 1.1 | 20 | 94.0 | X440048 - X410381-01 |  |
| EPA 200.7 | Lead       | mg/L | 0.895  | 0.901  | 1.00   | 0.6 | 20 | 89.5 | X440048 - X410381-01 |  |
| EPA 200.7 | Lithium    | mg/L | 2.12   | 2.15   | 1.00   | 1.3 | 20 | 104  | X440048 - X410381-01 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.5   | 19.7   | 20.0   | 1.0 | 20 | 97.6 | X440048 - X410381-01 |  |
| EPA 200.7 | Manganese  | mg/L | 0.900  | 0.920  | 1.00   | 2.3 | 20 | 90.0 | X440048 - X410381-01 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.952  | 0.953  | 1.00   | 0.1 | 20 | 92.6 | X440048 - X410381-01 |  |
| EPA 200.7 | Nickel     | mg/L | 0.910  | 0.910  | 1.00   | 0.1 | 20 | 91.0 | X440048 - X410381-01 |  |
| EPA 200.7 | Potassium  | mg/L | 23.1   | 23.2   | 20.0   | 0.4 | 20 | 91.2 | X440048 - X410381-01 |  |
| EPA 200.7 | Silver     | mg/L | 0.0419 | 0.0414 | 0.0500 | 1.2 | 20 | 83.9 | X440048 - X410381-01 |  |
| EPA 200.7 | Sodium     | mg/L | 236    | 238    | 19.0   | 1.0 | 20 | 77.3 | X440048 - X410381-01 |  |
| EPA 200.7 | Vanadium   | mg/L | 0.953  | 0.967  | 1.00   | 1.4 | 20 | 95.1 | X440048 - X410381-01 |  |
| EPA 200.7 | Zinc       | mg/L | 0.983  | 0.975  | 1.00   | 0.9 | 20 | 98.3 | X440048 - X410381-01 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0264 | 0.0266 | 0.0250 | 1.0 | 20 | 106  | X441005 - X410374-01 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0246 | 0.0243 | 0.0250 | 1.5 | 20 | 98.6 | X441005 - X410374-01 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0248 | 0.0250 | 0.0250 | 1.1 | 20 | 92.0 | X441005 - X410374-01 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0240 | 0.0236 | 0.0250 | 1.8 | 20 | 96.1 | X441005 - X410374-01 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0390 | 0.0384 | 0.0250 | 1.5 | 20 | 97.8 | X441005 - X410374-01 |  |

**Metals (Filtered)**

|           |         |      |         |         |         |     |    |     |                      |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|
| EPA 245.1 | Mercury | mg/L | 0.00206 | 0.00208 | 0.00200 | 1.1 | 20 | 103 | X439193 - X410376-02 |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|

**Classical Chemistry Parameters**

|            |                       |      |        |        |       |      |    |      |                      |    |
|------------|-----------------------|------|--------|--------|-------|------|----|------|----------------------|----|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.0870 | 0.0980 | 0.100 | 11.9 | 11 | 87.0 | X439155 - X410374-01 | R4 |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.100  | 0.101  | 0.100 | 1.0  | 20 | 100  | X440014 - X410374-01 |    |
| EPA 350.1  | Ammonia as N          | mg/L | 1.00   | 1.01   | 1.00  | 1.1  | 20 | 100  | X439148 - X410375-02 |    |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.108  | 0.0930 | 0.100 | 14.9 | 11 | 100  | X441035 - X410374-01 | R4 |

**Anions by Ion Chromatography**

|           |                      |      |      |      |      |     |    |      |                      |  |
|-----------|----------------------|------|------|------|------|-----|----|------|----------------------|--|
| EPA 300.0 | Chloride             | mg/L | 4.33 | 4.23 | 3.00 | 2.4 | 20 | 103  | X439061 - X410358-02 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.06 | 2.01 | 2.00 | 2.2 | 20 | 103  | X439061 - X410358-02 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.03 | 1.98 | 2.00 | 2.5 | 20 | 99.6 | X439061 - X410358-02 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.09 | 4.00 | 4.00 | 2.4 | 20 | 102  | X439061 - X410358-02 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.06 | 2.01 | 2.00 | 2.4 | 20 | 103  | X439061 - X410358-02 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 12.2 | 11.9 | 10.0 | 1.9 | 20 | 102  | X439061 - X410358-02 |  |



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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410376**

Reported: 09-Oct-24 16:04

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**Notes and Definitions**

|         |                                                                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| D17     | Due to an internal standard failure at a lower dilution, a sample dilution was performed.                                                             |
| D18     | Due to a published chemical interference, a sample dilution was performed.                                                                            |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time. |
| M3      | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.        |
| R4      | MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.                                                                    |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                               |
| RPD     | Relative Percent Difference                                                                                                                           |
| UDL     | A result is less than the detection limit                                                                                                             |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                   |
| <RL     | A result is less than the reporting limit                                                                                                             |
| MRL     | Method Reporting Limit                                                                                                                                |
| MDL     | Method Detection Limit                                                                                                                                |
| N/A     | Not Applicable                                                                                                                                        |

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QA/QC



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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0154**

Reported: 25-Sep-24 08:55

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| RB-0909   | X4I0154-01    | Ground Water | 09-Sep-24 13:40 | TR         | 11-Sep-2024   |       |
| GVMW-126G | X4I0154-02    | Ground Water | 09-Sep-24 12:25 | TR         | 11-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0154**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410154**

Reported: 25-Sep-24 08:55

Client Sample ID: **RB-0909**

Sampled: 09-Sep-24 13:40

Received: 11-Sep-24

Sampled By: TR

SVL Sample ID: **X410154-01 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                     |         |      |       |       |  |         |     |                |  |
|-----------|---------------------|---------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>      | 0.513   | mg/L | 0.100 | 0.069 |  | X438157 | SJN | 09/23/24 15:48 |  |
| EPA 200.7 | Magnesium           | < 0.500 | mg/L | 0.500 | 0.090 |  | X438157 | SJN | 09/23/24 15:48 |  |
| EPA 200.7 | <b>Potassium</b>    | 1.06    | mg/L | 0.50  | 0.18  |  | X438157 | SJN | 09/23/24 15:48 |  |
| SM 2340 B | Hardness (as CaCO3) | < 2.31  | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/23/24 15:48 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Barium           | < 0.0020   | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | <b>Calcium</b>   | 0.201      | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Magnesium        | < 0.500    | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | <b>Manganese</b> | 0.0164     | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | <b>Potassium</b> | 1.05       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | <b>Sodium</b>    | 0.64       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.7 | <b>Zinc</b>      | 0.0113     | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 11:31 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X437193 | JRR | 09/17/24 10:25 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X437193 | JRR | 09/17/24 10:25 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X437193 | JRR | 09/17/24 10:25 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X437193 | JRR | 09/17/24 10:25 |  |
| EPA 200.8 | Uranium          | < 0.000100 | mg/L | 0.000100 | 0.000052 |  | X437193 | JRR | 09/17/24 10:25 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437205 | MAC | 09/20/24 15:33 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                       |          |               |        |        |  |         |     |                |    |
|-------------|-----------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6 | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437239 | DD  | 09/19/24 15:13 |    |
| EPA 335.4   | Cyanide (total)       | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 13:04 |    |
| EPA 350.1   | <b>Ammonia as N</b>   | 0.057    | mg/L          | 0.030  | 0.013  |  | X437176 | DD  | 09/13/24 14:56 |    |
| OIA 1677    | Cyanide (WAD)         | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 11:41 |    |
| SM 2310 B   | Acidity to pH 8.3     | < 10.0   | mg/L as CaCO3 | 10.0   |        |  | X438150 | MWD | 09/23/24 07:30 |    |
| SM 2320 B   | Total Alkalinity      | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:37 |    |
| SM 2320 B   | Bicarbonate           | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:37 |    |
| SM 2320 B   | Carbonate             | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:37 |    |
| SM 2320 B   | Hydroxide             | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:37 |    |
| SM 2540 C   | Total Diss. Solids    | < 10     | mg/L          | 10     |        |  | X437195 | TJL | 09/16/24 13:20 |    |
| SM 2540 D   | Total Susp. Solids    | < 5.0    | mg/L          | 5.0    |        |  | X437198 | TJL | 09/16/24 14:50 |    |
| SM 4500 H B | <b>pH @19.9°C</b>     | 5.5      | pH Units      |        |        |  | X437221 | MWD | 09/13/24 18:37 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 12



One Government Gulch - PO Box 929  
Kellogg, ID 83837-0929  
(208) 784-1258  
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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410154</b><br>Reported: 25-Sep-24 08:55 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **RB-0909**  
SVL Sample ID: **X410154-01 (Ground Water)**

Sampled: 09-Sep-24 13:40  
Received: 11-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte               | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|-----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                       |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | <b>Chloride</b>       | 0.73    | mg/L  | 0.20  | 0.02  |          | X437126 | RS      | 09/11/24 11:59 |       |
| EPA 300.0                           | <b>Fluoride</b>       | 0.255   | mg/L  | 0.100 | 0.017 |          | X437126 | RS      | 09/11/24 11:59 |       |
| EPA 300.0                           | Nitrate as N          | < 0.050 | mg/L  | 0.050 | 0.013 |          | X437126 | RS      | 09/11/24 11:59 |       |
| EPA 300.0                           | Nitrate+Nitrite as N  | < 0.100 | mg/L  | 0.100 | 0.044 |          | X437126 | RS      | 09/11/24 11:59 |       |
| EPA 300.0                           | Nitrite as N          | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437126 | RS      | 09/11/24 11:59 |       |
| EPA 300.0                           | <b>Sulfate as SO4</b> | 0.34    | mg/L  | 0.30  | 0.18  |          | X437126 | RS      | 09/11/24 11:59 |       |

**Cation/Anion Balance and TDS Ratios**

|                        |                       |                      |                   |                |
|------------------------|-----------------------|----------------------|-------------------|----------------|
| Cation Sum: 0.09 meq/L | Anion Sum: 0.06 meq/L | C/A Balance: 16.05 % | Calculated TDS: 3 | TDS/cTDS: 0.00 |
|------------------------|-----------------------|----------------------|-------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410154**

Reported: 25-Sep-24 08:55

Client Sample ID: **GVMW-126G**

Sampled: 09-Sep-24 12:25

Received: 11-Sep-24

Sampled By: TR

SVL Sample ID: **X410154-02 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                            |      |      |       |       |  |         |     |                |  |
|-----------|----------------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | <b>Calcium</b>             | 10.1 | mg/L | 0.100 | 0.069 |  | X438157 | SJN | 09/23/24 16:03 |  |
| EPA 200.7 | <b>Magnesium</b>           | 2.12 | mg/L | 0.500 | 0.090 |  | X438157 | SJN | 09/23/24 16:03 |  |
| EPA 200.7 | <b>Potassium</b>           | 0.75 | mg/L | 0.50  | 0.18  |  | X438157 | SJN | 09/23/24 16:03 |  |
| SM 2340 B | <b>Hardness (as CaCO3)</b> | 34.0 | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/23/24 11:42 |  |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | <b>Barium</b>    | 0.0986     | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | <b>Calcium</b>   | 10.4       | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | <b>Magnesium</b> | 2.08       | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Manganese        | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | <b>Potassium</b> | 0.66       | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | <b>Sodium</b>    | 10.0       | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 11:42 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X437193 | JRR | 09/17/24 10:27 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X437193 | JRR | 09/17/24 10:27 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X437193 | JRR | 09/17/24 10:27 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X437193 | JRR | 09/17/24 10:27 |  |
| EPA 200.8 | Uranium          | < 0.000100 | mg/L | 0.000100 | 0.000052 |  | X437193 | JRR | 09/17/24 10:27 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437205 | MAC | 09/20/24 15:35 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                           |          |               |        |        |  |         |     |                |    |
|-------------|---------------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6     | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437239 | DD  | 09/19/24 15:15 |    |
| EPA 335.4   | Cyanide (total)           | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 13:05 |    |
| EPA 350.1   | Ammonia as N              | < 0.030  | mg/L          | 0.030  | 0.013  |  | X437176 | DD  | 09/13/24 14:58 |    |
| OIA 1677    | Cyanide (WAD)             | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 11:47 |    |
| SM 2310 B   | <b>Acidity to pH 8.3</b>  | -28.3    | mg/L as CaCO3 | 10.0   |        |  | X438150 | MWD | 09/23/24 07:30 |    |
| SM 2320 B   | <b>Total Alkalinity</b>   | 33.6     | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:41 |    |
| SM 2320 B   | <b>Bicarbonate</b>        | 33.6     | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:41 |    |
| SM 2320 B   | Carbonate                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:41 |    |
| SM 2320 B   | Hydroxide                 | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X437221 | MWD | 09/13/24 18:41 |    |
| SM 2540 C   | <b>Total Diss. Solids</b> | 90       | mg/L          | 10     |        |  | X437195 | TJL | 09/16/24 13:20 |    |
| SM 2540 D   | Total Susp. Solids        | < 5.0    | mg/L          | 5.0    |        |  | X437198 | TJL | 09/16/24 14:50 |    |
| SM 4500 H B | <b>pH @19.9°C</b>         | 6.7      | pH Units      |        |        |  | X437221 | MWD | 09/13/24 18:41 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 12



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410154</b><br>Reported: 25-Sep-24 08:55 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-126G**  
SVL Sample ID: **X410154-02 (Ground Water)**

Sampled: 09-Sep-24 12:25  
Received: 11-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 1.94    | mg/L  | 0.20  | 0.02  |          | X437126 | RS      | 09/11/24 12:36 |       |
| EPA 300.0                           | Fluoride             | 0.222   | mg/L  | 0.100 | 0.017 |          | X437126 | RS      | 09/11/24 12:36 |       |
| EPA 300.0                           | Nitrate as N         | 0.737   | mg/L  | 0.050 | 0.013 |          | X437126 | RS      | 09/11/24 12:36 | H3    |
| EPA 300.0                           | Nitrate+Nitrite as N | 0.737   | mg/L  | 0.100 | 0.044 |          | X437126 | RS      | 09/11/24 12:36 | H3    |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437126 | RS      | 09/11/24 12:36 | H3    |
| EPA 300.0                           | Sulfate as SO4       | 21.6    | mg/L  | 0.30  | 0.18  |          | X437126 | RS      | 09/11/24 12:36 |       |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                    |                |
|------------------------|-----------------------|----------------------|--------------------|----------------|
| Cation Sum: 1.14 meq/L | Anion Sum: 1.24 meq/L | C/A Balance: -4.15 % | Calculated TDS: 70 | TDS/cTDS: 1.28 |
|------------------------|-----------------------|----------------------|--------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410154**

Reported: 25-Sep-24 08:55

**Quality Control - BLANK Data**

| Method                                                                | Analyte               | Units         | Result    | MDL      | MRL      | Batch ID | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------------------|---------------|-----------|----------|----------|----------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X438157  | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X438157  | 23-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X438157  | 23-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |                       |               |           |          |          |          |           |       |
| EPA 200.7                                                             | Aluminum              | mg/L          | <0.080    | 0.054    | 0.080    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium                | mg/L          | <0.0020   | 0.0019   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium             | mg/L          | <0.00200  | 0.00080  | 0.00200  | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron                 | mg/L          | <0.0400   | 0.0078   | 0.0400   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium               | mg/L          | <0.0020   | 0.0016   | 0.0020   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium               | mg/L          | <0.100    | 0.069    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium              | mg/L          | <0.0060   | 0.0020   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt                | mg/L          | <0.0060   | 0.0046   | 0.0060   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper                | mg/L          | <0.0100   | 0.0027   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron                  | mg/L          | <0.100    | 0.056    | 0.100    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead                  | mg/L          | <0.0075   | 0.0049   | 0.0075   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium               | mg/L          | <0.040    | 0.025    | 0.040    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium             | mg/L          | <0.500    | 0.090    | 0.500    | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Manganese             | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L          | <0.0080   | 0.0034   | 0.0080   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Nickel                | mg/L          | <0.0100   | 0.0048   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Potassium             | mg/L          | <0.50     | 0.18     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Silver                | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Sodium                | mg/L          | <0.50     | 0.12     | 0.50     | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Vanadium              | mg/L          | <0.0050   | 0.0019   | 0.0050   | X439009  | 23-Sep-24 |       |
| EPA 200.7                                                             | Zinc                  | mg/L          | <0.0100   | 0.0054   | 0.0100   | X439009  | 23-Sep-24 |       |
| EPA 200.8                                                             | Antimony              | mg/L          | <0.00100  | 0.00072  | 0.00100  | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Arsenic               | mg/L          | <0.00100  | 0.00021  | 0.00100  | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Selenium              | mg/L          | <0.00100  | 0.00024  | 0.00100  | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Thallium              | mg/L          | <0.000200 | 0.00008  | 0.000200 | X437193  | 17-Sep-24 |       |
| EPA 200.8                                                             | Uranium               | mg/L          | <0.000100 | 0.000052 | 0.000100 | X437193  | 17-Sep-24 |       |
| <b>Metals (Filtered)</b>                                              |                       |               |           |          |          |          |           |       |
| EPA 245.1                                                             | Mercury               | mg/L          | <0.000200 | 0.000093 | 0.000200 | X437205  | 20-Sep-24 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |               |           |          |          |          |           |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L          | <0.0050   | 0.0048   | 0.0050   | X437239  | 19-Sep-24 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L          | <0.0050   | 0.0038   | 0.0050   | X438003  | 16-Sep-24 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L          | <0.030    | 0.013    | 0.030    | X437176  | 13-Sep-24 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L          | <0.0050   | 0.0010   | 0.0050   | X438183  | 20-Sep-24 |       |
| SM 2310 B                                                             | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0     |          | 10.0     | X438150  | 23-Sep-24 |       |
| SM 2320 B                                                             | Total Alkalinity      | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2320 B                                                             | Bicarbonate           | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2320 B                                                             | Carbonate             | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2320 B                                                             | Hydroxide             | mg/L as CaCO3 | <1.0      |          | 1.0      | X437221  | 13-Sep-24 |       |
| SM 2540 C                                                             | Total Diss. Solids    | mg/L          | <10       |          | 10       | X437195  | 16-Sep-24 |       |
| SM 2540 D                                                             | Total Susp. Solids    | mg/L          | <5.0      |          | 5.0      | X437198  | 16-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |               |           |          |          |          |           |       |
| EPA 300.0                                                             | Chloride              | mg/L          | <0.20     | 0.02     | 0.20     | X437126  | 11-Sep-24 |       |
| EPA 300.0                                                             | Fluoride              | mg/L          | <0.100    | 0.017    | 0.100    | X437126  | 11-Sep-24 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L          | <0.050    | 0.013    | 0.050    | X437126  | 11-Sep-24 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L          | <0.100    | 0.044    | 0.100    | X437126  | 11-Sep-24 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L          | <0.050    | 0.031    | 0.050    | X437126  | 11-Sep-24 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L          | <0.30     | 0.18     | 0.30     | X437126  | 11-Sep-24 |       |



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410154**

Reported: 25-Sep-24 08:55

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 18.8 | 20.0 | 94   | 85 - 115 | X438157 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.5 | 20.0 | 97.6 | 85 - 115 | X438157 | 23-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | 19.1 | 20.0 | 95.5 | 85 - 115 | X438157 | 23-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.04   | 1.00   | 104  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.978  | 1.00   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 19.6   | 20.0   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.997  | 1.00   | 99.7 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.961  | 1.00   | 96.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.95   | 10.0   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.972  | 1.00   | 97.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.2   | 20.0   | 95.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.992  | 1.00   | 99.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.995  | 1.00   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.6   | 20.0   | 98.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0524 | 0.0500 | 105  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 19.1   | 19.0   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0249 | 0.0250 | 99.7 | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0246 | 0.0250 | 98.4 | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0254 | 0.0250 | 101  | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0250 | 0.0250 | 100  | 85 - 115 | X437193 | 17-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0260 | 0.0250 | 104  | 85 - 115 | X437193 | 17-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |      |          |         |           |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00183 | 0.00200 | 91.5 | 85 - 115 | X437205 | 20-Sep-24 |  |
|-----------|---------|------|---------|---------|------|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |       |       |      |            |         |           |  |
|------------|-----------------------|---------------|-------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.101 | 0.100 | 101  | 90 - 110   | X437239 | 19-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.109 | 0.100 | 109  | 90 - 110   | X438003 | 16-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 0.948 | 1.00  | 94.8 | 90 - 110   | X437176 | 13-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.103 | 0.100 | 103  | 90 - 110   | X438183 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 868   | 884   | 98.1 | 95.4 - 104 | X438150 | 23-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 9.60  | 9.93  | 96.7 | 96.4 - 105 | X437221 | 13-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 100   | 99.3  | 101  | 96.4 - 105 | X437221 | 13-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 402   | 397   | 101  | 96.4 - 105 | X437221 | 13-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 9.0   | 10.0  | 90.0 | 85 - 115   | X437198 | 16-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |     |          |         |           |  |
|-----------|----------------------|------|------|------|-----|----------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 3.14 | 3.00 | 105 | 90 - 110 | X437126 | 11-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.07 | 2.00 | 103 | 90 - 110 | X437126 | 11-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.11 | 2.00 | 105 | 90 - 110 | X437126 | 11-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.75 | 4.50 | 106 | 90 - 110 | X437126 | 11-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.64 | 2.50 | 106 | 90 - 110 | X437126 | 11-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 10.7 | 10.0 | 107 | 90 - 110 | X437126 | 11-Sep-24 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410154**

Reported: 25-Sep-24 08:55

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|-----|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |     |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | <10.0            | <10.0         | UDL | 20        | X438150 - X410153-01 | 23-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 32.9             | 32.9          | 0.0 | 20        | X437221 - X410153-02 | 13-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 32.9             | 32.9          | 0.0 | 20        | X437221 - X410153-02 | 13-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X437221 - X410153-02 | 13-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X437221 - X410153-02 | 13-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 207              | 212           | 2.4 | 10        | X437195 - X410153-03 | 16-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 320              | 329           | 2.8 | 10        | X437195 - X410168-02 | 16-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | <RL | 10        | X437198 - X410153-03 | 16-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | UDL | 10        | X437198 - X410168-02 | 16-Sep-24 |       |
| SM 4500 H B                           | pH @19.9°C         | pH Units                  | 6.6              | 6.6           | 0.3 | 20        | X437221 - X410153-02 | 13-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                         | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|----------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| Metals (Total Recoverable--reportable as Total per 40 CFR 136) |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 47.6         | 28.7              | 20.0            | 95     | 70 - 130          | X438157 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 149          | 130               | 20.0            | 95     | 70 - 130          | X438157 - X4I0197-04 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 27.1         | 6.75              | 20.0            | 102    | 70 - 130          | X438157 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 20.7         | <0.500            | 20.0            | 104    | 70 - 130          | X438157 - X4I0197-04 | 23-Sep-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 20.2         | 1.07              | 20.0            | 95.7   | 70 - 130          | X438157 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Potassium | mg/L  | 33.1         | 13.4              | 20.0            | 98.7   | 70 - 130          | X438157 - X4I0197-04 | 23-Sep-24 |       |
| Metals (Dissolved)                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.01         | <0.080            | 1.00            | 101    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Aluminum  | mg/L  | 1.02         | <0.080            | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 1.18         | 0.196             | 1.00            | 98.5   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Barium    | mg/L  | 1.09         | 0.101             | 1.00            | 98.9   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 1.01         | <0.0400           | 1.00            | 98.8   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Boron     | mg/L  | 0.996        | <0.0400           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cadmium   | mg/L  | 0.987        | <0.0020           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cadmium   | mg/L  | 0.983        | <0.0020           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 48.3         | 29.4              | 20.0            | 94.9   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Calcium   | mg/L  | 29.9         | 10.4              | 20.0            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Chromium  | mg/L  | 0.984        | <0.0060           | 1.00            | 98.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Chromium  | mg/L  | 0.993        | <0.0060           | 1.00            | 99.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cobalt    | mg/L  | 0.966        | <0.0060           | 1.00            | 96.6   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Cobalt    | mg/L  | 0.956        | <0.0060           | 1.00            | 95.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Copper    | mg/L  | 0.974        | <0.0100           | 1.00            | 97.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Copper    | mg/L  | 0.976        | <0.0100           | 1.00            | 97.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Iron      | mg/L  | 9.73         | <0.100            | 10.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Iron      | mg/L  | 10.0         | <0.100            | 10.0            | 100    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lead      | mg/L  | 0.983        | <0.0075           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lead      | mg/L  | 0.975        | <0.0075           | 1.00            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lithium   | mg/L  | 0.981        | <0.040            | 1.00            | 98.1   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Lithium   | mg/L  | 0.934        | <0.040            | 1.00            | 93.4   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                      | Magnesium | mg/L  | 26.2         | 6.70              | 20.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                      | Maenesium | mg/L  | 21.7         | 2.10              | 20.0            | 98.1   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 12

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0154**

Reported: 25-Sep-24 08:55

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Metals (Dissolved) (Continued)**

|           |            |      |        |           |        |      |          |                      |           |  |
|-----------|------------|------|--------|-----------|--------|------|----------|----------------------|-----------|--|
| EPA 200.7 | Manganese  | mg/L | 0.987  | <0.0080   | 1.00   | 98.0 | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.987  | <0.0080   | 1.00   | 98.7 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 1.01   | <0.0080   | 1.00   | 100  | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.987  | <0.0080   | 1.00   | 98.7 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.966  | <0.0100   | 1.00   | 96.6 | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.957  | <0.0100   | 1.00   | 95.7 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 20.1   | 0.95      | 20.0   | 95.6 | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 20.5   | 0.78      | 20.0   | 98.6 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0539 | <0.0050   | 0.0500 | 108  | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0533 | <0.0050   | 0.0500 | 107  | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 49.6   | 31.6      | 19.0   | 95.1 | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 28.9   | 10.1      | 19.0   | 98.8 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.00   | <0.0050   | 1.00   | 100  | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.00   | <0.0050   | 1.00   | 100  | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 1.01   | <0.0100   | 1.00   | 101  | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 1.00   | <0.0100   | 1.00   | 100  | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0263 | <0.00100  | 0.0250 | 102  | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0247 | <0.00100  | 0.0250 | 98.7 | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0242 | <0.00100  | 0.0250 | 96.1 | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0257 | <0.00100  | 0.0250 | 103  | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0276 | 0.00456   | 0.0250 | 92.2 | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0269 | <0.00100  | 0.0250 | 106  | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0234 | <0.000200 | 0.0250 | 93.6 | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0239 | <0.000200 | 0.0250 | 95.4 | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0757 | 0.0526    | 0.0250 | 92.3 | 70 - 130 | X437193 - X4I0082-01 | 17-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0240 | <0.000100 | 0.0250 | 95.8 | 70 - 130 | X437193 - X4I0153-02 | 17-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |           |         |     |          |                      |           |  |
|-----------|---------|------|---------|-----------|---------|-----|----------|----------------------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00200 | <0.000200 | 0.00200 | 100 | 70 - 130 | X437205 - X4I0108-01 | 20-Sep-24 |  |
| EPA 245.1 | Mercury | mg/L | 0.00201 | <0.000200 | 0.00200 | 100 | 70 - 130 | X437205 - X4I0153-03 | 20-Sep-24 |  |

**Classical Chemistry Parameters**

|            |                       |      |        |         |       |      |          |                      |           |  |
|------------|-----------------------|------|--------|---------|-------|------|----------|----------------------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.103  | <0.0050 | 0.100 | 103  | 79 - 121 | X437239 - X4I0138-01 | 19-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.0989 | <0.0050 | 0.100 | 98.9 | 90 - 110 | X438003 - X4I0153-01 | 17-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.0987 | <0.0050 | 0.100 | 98.7 | 90 - 110 | X438003 - X4I0153-02 | 17-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L | 1.04   | <0.030  | 1.00  | 102  | 90 - 110 | X437176 - X4I0133-02 | 13-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L | 1.09   | 0.099   | 1.00  | 98.8 | 90 - 110 | X437176 - X4I0133-01 | 13-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.100  | 0.0050  | 0.100 | 95.0 | 82 - 118 | X438183 - X4I0082-01 | 20-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |        |      |     |          |                      |           |  |
|-----------|----------------------|------|------|--------|------|-----|----------|----------------------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 3.29 | 0.20   | 3.00 | 103 | 90 - 110 | X437126 - X4I0125-01 | 11-Sep-24 |  |
| EPA 300.0 | Chloride             | mg/L | 3.92 | 0.73   | 3.00 | 107 | 90 - 110 | X437126 - X4I0154-01 | 11-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.11 | <0.100 | 2.00 | 103 | 90 - 110 | X437126 - X4I0125-01 | 11-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.30 | 0.255  | 2.00 | 102 | 90 - 110 | X437126 - X4I0154-01 | 11-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.13 | 0.070  | 2.00 | 103 | 90 - 110 | X437126 - X4I0125-01 | 11-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.07 | <0.050 | 2.00 | 102 | 90 - 110 | X437126 - X4I0154-01 | 11-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.21 | <0.100 | 4.00 | 104 | 90 - 110 | X437126 - X4I0125-01 | 11-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.17 | <0.100 | 4.00 | 104 | 90 - 110 | X437126 - X4I0154-01 | 11-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.08 | <0.050 | 2.00 | 104 | 90 - 110 | X437126 - X4I0125-01 | 11-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.09 | <0.050 | 2.00 | 105 | 90 - 110 | X437126 - X4I0154-01 | 11-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 12.7 | 1.69   | 10.0 | 110 | 90 - 110 | X437126 - X4I0125-01 | 11-Sep-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 9 of 12

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0154**

Reported: 25-Sep-24 08:55

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                          | Analyte                    | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|-------------------------------------------------|----------------------------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Anions by Ion Chromatography (Continued)</b> |                            |       |              |                   |                 |        |                   |                      |           |       |
| EPA 300.0                                       | Sulfate as SO <sub>4</sub> | mg/L  | 10.9         | 0.34              | 10.0            | 105    | 90 - 110          | X437126 - X4I0154-01 | 11-Sep-24 |       |

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |     |    |      |                      |  |
|-----------|-----------|------|------|------|------|-----|----|------|----------------------|--|
| EPA 200.7 | Calcium   | mg/L | 48.4 | 47.6 | 20.0 | 2.0 | 20 | 99   | X438157 - X4I0153-01 |  |
| EPA 200.7 | Magnesium | mg/L | 27.6 | 27.1 | 20.0 | 2.0 | 20 | 104  | X438157 - X4I0153-01 |  |
| EPA 200.7 | Potassium | mg/L | 20.6 | 20.2 | 20.0 | 1.9 | 20 | 97.6 | X438157 - X4I0153-01 |  |

**Metals (Dissolved)**

|           |            |      |        |        |        |     |    |      |                      |  |
|-----------|------------|------|--------|--------|--------|-----|----|------|----------------------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.01   | 1.01   | 1.00   | 0.5 | 20 | 101  | X439009 - X4I0153-01 |  |
| EPA 200.7 | Barium     | mg/L | 1.17   | 1.18   | 1.00   | 0.6 | 20 | 97.8 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.02   | 1.02   | 1.00   | 0.4 | 20 | 102  | X439009 - X4I0153-01 |  |
| EPA 200.7 | Boron      | mg/L | 1.01   | 1.01   | 1.00   | 0.3 | 20 | 99.0 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.975  | 0.987  | 1.00   | 1.2 | 20 | 97.5 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Calcium    | mg/L | 48.7   | 48.3   | 20.0   | 0.7 | 20 | 96.6 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Chromium   | mg/L | 0.986  | 0.984  | 1.00   | 0.2 | 20 | 98.6 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.953  | 0.966  | 1.00   | 1.4 | 20 | 95.3 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Copper     | mg/L | 0.974  | 0.974  | 1.00   | 0.0 | 20 | 97.4 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Iron       | mg/L | 9.97   | 9.73   | 10.0   | 2.4 | 20 | 99.7 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Lead       | mg/L | 0.974  | 0.983  | 1.00   | 0.9 | 20 | 97.4 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Lithium    | mg/L | 0.977  | 0.981  | 1.00   | 0.3 | 20 | 97.7 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Magnesium  | mg/L | 26.7   | 26.2   | 20.0   | 1.9 | 20 | 99.8 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Manganese  | mg/L | 0.986  | 0.987  | 1.00   | 0.1 | 20 | 98.0 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.999  | 1.01   | 1.00   | 0.6 | 20 | 99.5 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Nickel     | mg/L | 0.953  | 0.966  | 1.00   | 1.4 | 20 | 95.3 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Potassium  | mg/L | 20.7   | 20.1   | 20.0   | 2.9 | 20 | 98.5 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Silver     | mg/L | 0.0530 | 0.0539 | 0.0500 | 1.6 | 20 | 106  | X439009 - X4I0153-01 |  |
| EPA 200.7 | Sodium     | mg/L | 49.9   | 49.6   | 19.0   | 0.6 | 20 | 96.7 | X439009 - X4I0153-01 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.00   | 1.00   | 1.00   | 0.4 | 20 | 100  | X439009 - X4I0153-01 |  |
| EPA 200.7 | Zinc       | mg/L | 1.00   | 1.01   | 1.00   | 1.0 | 20 | 100  | X439009 - X4I0153-01 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0265 | 0.0263 | 0.0250 | 1.1 | 20 | 103  | X437193 - X4I0082-01 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0245 | 0.0242 | 0.0250 | 1.2 | 20 | 97.2 | X437193 - X4I0082-01 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0269 | 0.0276 | 0.0250 | 2.7 | 20 | 89.2 | X437193 - X4I0082-01 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0233 | 0.0234 | 0.0250 | 0.6 | 20 | 93.0 | X437193 - X4I0082-01 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0753 | 0.0757 | 0.0250 | 0.5 | 20 | 90.7 | X437193 - X4I0082-01 |  |

**Metals (Filtered)**

|           |         |      |         |         |         |     |    |      |                      |  |
|-----------|---------|------|---------|---------|---------|-----|----|------|----------------------|--|
| EPA 245.1 | Mercury | mg/L | 0.00198 | 0.00200 | 0.00200 | 1.0 | 20 | 99.2 | X437205 - X4I0108-01 |  |
|-----------|---------|------|---------|---------|---------|-----|----|------|----------------------|--|

**Classical Chemistry Parameters**

|            |                       |      |       |        |       |     |    |      |                      |  |
|------------|-----------------------|------|-------|--------|-------|-----|----|------|----------------------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.102 | 0.103  | 0.100 | 1.0 | 11 | 102  | X437239 - X4I0138-01 |  |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.106 | 0.0989 | 0.100 | 7.2 | 20 | 106  | X438003 - X4I0153-01 |  |
| EPA 350.1  | Ammonia as N          | mg/L | 1.00  | 1.04   | 1.00  | 3.7 | 20 | 98.6 | X437176 - X4I0133-02 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.110 | 0.100  | 0.100 | 9.5 | 11 | 105  | X438183 - X4I0082-01 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |      |     |    |     |                      |  |
|-----------|----------------------|------|------|------|------|-----|----|-----|----------------------|--|
| EPA 300.0 | Chloride             | mg/L | 3.36 | 3.29 | 3.00 | 2.3 | 20 | 105 | X437126 - X4I0125-01 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.16 | 2.11 | 2.00 | 2.4 | 20 | 105 | X437126 - X4I0125-01 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.18 | 2.13 | 2.00 | 2.4 | 20 | 106 | X437126 - X4I0125-01 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.31 | 4.21 | 4.00 | 2.3 | 20 | 106 | X437126 - X4I0125-01 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.13 | 2.08 | 2.00 | 2.3 | 20 | 107 | X437126 - X4I0125-01 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 10 of 12



One Government Gulch - PO Box 929  
Kellogg, ID 83837-0929  
(208) 784-1258  
[www.svl.net](http://www.svl.net)

|                                             |  |  |  |  |                                                               |  |  |  |  |
|---------------------------------------------|--|--|--|--|---------------------------------------------------------------|--|--|--|--|
| <b>Newmont - Cripple Creek &amp; Victor</b> |  |  |  |  | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b> |  |  |  |  |
| Post Office Box 191                         |  |  |  |  | Work Order: <b>X4I0154</b>                                    |  |  |  |  |
| Victor, CO 80860                            |  |  |  |  | Reported: 25-Sep-24 08:55                                     |  |  |  |  |

| Quality Control - MATRIX SPIKE DUPLICATE Data   |                |       |            | (Continued)  |             |     |           |            |                      |       |
|-------------------------------------------------|----------------|-------|------------|--------------|-------------|-----|-----------|------------|----------------------|-------|
| Method                                          | Analyte        | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID  | Notes |
| <b>Anions by Ion Chromatography (Continued)</b> |                |       |            |              |             |     |           |            |                      |       |
| EPA 300.0                                       | Sulfate as SO4 | mg/L  | 12.9       | 12.7         | 10.0        | 2.0 | 20        | 112        | X437126 - X4I0125-01 | M1    |



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Kellogg, ID 83837-0929

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[www.svl.net](http://www.svl.net)**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410154**

Reported: 25-Sep-24 08:55

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**Notes and Definitions**

|         |                                                                                                                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| H3      | Sample was received and/or analysis requested past holding time.                                                                                      |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time. |
| M1      | Matrix spike recovery was high, but the LCS recovery was acceptable.                                                                                  |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                               |
| RPD     | Relative Percent Difference                                                                                                                           |
| UDL     | A result is less than the detection limit                                                                                                             |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                   |
| <RL     | A result is less than the reporting limit                                                                                                             |
| MRL     | Method Reporting Limit                                                                                                                                |
| MDL     | Method Detection Limit                                                                                                                                |
| N/A     | Not Applicable                                                                                                                                        |

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Kellogg, ID 83837-0929

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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0262**

Reported: 01-Oct-24 16:39

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| RB-0916   | X4I0262-01    | Ground Water | 16-Sep-24 10:46 | TR         | 17-Sep-2024   |       |
| GVMW-125E | X4I0262-02    | Ground Water | 16-Sep-24 12:38 | TR         | 17-Sep-2024   | Q5C   |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0262**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410262**

Reported: 01-Oct-24 16:39

Client Sample ID: **RB-0916**

Sampled: 16-Sep-24 10:46

Received: 17-Sep-24

Sampled By: TR

SVL Sample ID: **X410262-01 (Ground Water)****Sample Report Page 1 of 2**

| Method                                                                | Analyte                          | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-----------------------------------------------------------------------|----------------------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                                  |         |       |       |       |          |         |         |                |       |
| EPA 200.7                                                             | Calcium                          | < 0.100 | mg/L  | 0.100 | 0.069 |          | X438196 | SJN     | 09/25/24 16:24 |       |
| EPA 200.7                                                             | Magnesium                        | < 0.500 | mg/L  | 0.500 | 0.090 |          | X438196 | SJN     | 09/25/24 16:24 |       |
| EPA 200.7                                                             | Potassium                        | < 0.50  | mg/L  | 0.50  | 0.18  |          | X438196 | SJN     | 09/25/24 16:24 |       |
| SM 2340 B                                                             | Hardness (as CaCO <sub>3</sub> ) | < 2.31  | mg/L  | 2.31  | 0.543 |          | N/A     |         | 09/23/24 12:11 |       |

**Metals (Dissolved)**

|           |                  |            |      |          |          |  |         |     |                |  |
|-----------|------------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum         | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Barium           | < 0.0020   | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Beryllium        | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Boron            | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Cadmium          | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | <b>Calcium</b>   | 0.146      | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Chromium         | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Cobalt           | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Copper           | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Iron             | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Lead             | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Lithium          | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Magnesium        | < 0.500    | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | <b>Manganese</b> | 0.0152     | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Molybdenum       | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Nickel           | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Potassium        | < 0.50     | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Silver           | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Sodium           | < 0.50     | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Vanadium         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.7 | Zinc             | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 12:11 |  |
| EPA 200.8 | Antimony         | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X438092 | SMU | 09/23/24 17:02 |  |
| EPA 200.8 | Arsenic          | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X438092 | SMU | 09/23/24 17:02 |  |
| EPA 200.8 | Selenium         | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X438092 | SMU | 09/23/24 17:02 |  |
| EPA 200.8 | Thallium         | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X438092 | SMU | 09/23/24 17:02 |  |
| EPA 200.8 | Uranium          | < 0.000100 | mg/L | 0.000100 | 0.000052 |  | X438092 | SMU | 09/23/24 17:02 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437234 | MAC | 09/23/24 16:55 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |                           |        |        |  |         |     |                |    |
|-------------|-------------------------------|----------|---------------------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0050 | mg/L                      | 0.0050 | 0.0048 |  | X439153 | DD  | 09/30/24 14:15 |    |
| EPA 335.4   | Cyanide (total)               | < 0.0050 | mg/L                      | 0.0050 | 0.0038 |  | X439001 | DD  | 09/24/24 10:28 |    |
| EPA 350.1   | <b>Ammonia as N</b>           | 0.032    | mg/L                      | 0.030  | 0.013  |  | X438185 | DD  | 09/23/24 11:22 |    |
| OIA 1677    | Cyanide (WAD)                 | < 0.0050 | mg/L                      | 0.0050 | 0.0010 |  | X438184 | DD  | 09/20/24 12:18 |    |
| SM 2310 B   | Acidity to pH 8.3             | < 10.0   | mg/L as CaCO <sub>3</sub> | 10.0   |        |  | X438151 | MWD | 09/23/24 07:29 |    |
| SM 2320 B   | Total Alkalinity              | < 1.0    | mg/L as CaCO <sub>3</sub> | 1.0    |        |  | X438102 | MWD | 09/18/24 11:42 |    |
| SM 2320 B   | Bicarbonate                   | < 1.0    | mg/L as CaCO <sub>3</sub> | 1.0    |        |  | X438102 | MWD | 09/18/24 11:42 |    |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO <sub>3</sub> | 1.0    |        |  | X438102 | MWD | 09/18/24 11:42 |    |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO <sub>3</sub> | 1.0    |        |  | X438102 | MWD | 09/18/24 11:42 |    |
| SM 2540 C   | Total Diss. Solids            | < 10     | mg/L                      | 10     |        |  | X438076 | TJL | 09/19/24 13:50 |    |
| SM 2540 D   | Total Susp. Solids            | < 5.0    | mg/L                      | 5.0    |        |  | X438078 | TJL | 09/20/24 14:00 |    |
| SM 4500 H B | <b>pH @20.6°C</b>             | 5.4      | pH Units                  |        |        |  | X438102 | MWD | 09/18/24 11:42 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 12



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Kellogg, ID 83837-0929  
(208) 784-1258  
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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410262</b><br>Reported: 01-Oct-24 16:39 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **RB-0916**  
SVL Sample ID: **X410262-01 (Ground Water)**

Sampled: 16-Sep-24 10:46  
Received: 17-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | < 0.20  | mg/L  | 0.20  | 0.02  |          | X438048 | RS      | 09/17/24 17:00 |       |
| EPA 300.0                           | Fluoride             | < 0.100 | mg/L  | 0.100 | 0.017 |          | X438048 | RS      | 09/17/24 17:00 |       |
| EPA 300.0                           | Nitrate as N         | < 0.050 | mg/L  | 0.050 | 0.013 |          | X438048 | RS      | 09/17/24 17:00 |       |
| EPA 300.0                           | Nitrate+Nitrite as N | < 0.100 | mg/L  | 0.100 | 0.044 |          | X438048 | RS      | 09/17/24 17:00 |       |
| EPA 300.0                           | Nitrite as N         | < 0.050 | mg/L  | 0.050 | 0.031 |          | X438048 | RS      | 09/17/24 17:00 |       |
| EPA 300.0                           | Sulfate as SO4       | 0.55    | mg/L  | 0.30  | 0.18  |          | X438048 | RS      | 09/17/24 17:00 |       |

Cation/Anion Balance and TDS Ratios

|                        |                       |                      |                   |                |
|------------------------|-----------------------|----------------------|-------------------|----------------|
| Cation Sum: 0.04 meq/L | Anion Sum: 0.04 meq/L | C/A Balance: -0.98 % | Calculated TDS: 1 | TDS/cTDS: 0.00 |
|------------------------|-----------------------|----------------------|-------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410262**

Reported: 01-Oct-24 16:39

Client Sample ID: **GVMW-125E**

Sampled: 16-Sep-24 12:38

Received: 17-Sep-24

Sampled By: TR

SVL Sample ID: **X410262-02 (Ground Water)****Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                     |      |      |       |       |  |         |     |                |  |
|-----------|---------------------|------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | Calcium             | 420  | mg/L | 0.100 | 0.069 |  | X438196 | SJN | 09/25/24 16:27 |  |
| EPA 200.7 | Magnesium           | 408  | mg/L | 0.500 | 0.090 |  | X438196 | SJN | 09/25/24 16:27 |  |
| EPA 200.7 | Potassium           | 6.61 | mg/L | 0.50  | 0.18  |  | X438196 | SJN | 09/25/24 16:27 |  |
| SM 2340 B | Hardness (as CaCO3) | 2810 | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/25/24 16:27 |  |

**Metals (Dissolved)**

|           |            |           |      |          |          |    |         |     |                |     |
|-----------|------------|-----------|------|----------|----------|----|---------|-----|----------------|-----|
| EPA 200.7 | Aluminum   | 1010      | mg/L | 0.800    | 0.540    | 10 | X439009 | SJN | 09/23/24 12:43 |     |
| EPA 200.7 | Barium     | 0.0146    | mg/L | 0.0020   | 0.0019   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Beryllium  | 0.653     | mg/L | 0.00200  | 0.00080  |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Boron      | 0.0430    | mg/L | 0.0400   | 0.0078   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Cadmium    | 1.80      | mg/L | 0.0020   | 0.0016   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Calcium    | 518       | mg/L | 0.100    | 0.069    |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Chromium   | 0.121     | mg/L | 0.0060   | 0.0020   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Cobalt     | 2.12      | mg/L | 0.0060   | 0.0046   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Copper     | 4.14      | mg/L | 0.0100   | 0.0027   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Iron       | 6.27      | mg/L | 0.100    | 0.056    |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Lead       | 0.0396    | mg/L | 0.0075   | 0.0049   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Lithium    | 0.196     | mg/L | 0.040    | 0.025    |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Magnesium  | 427       | mg/L | 0.500    | 0.090    |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Manganese  | 259       | mg/L | 0.0800   | 0.0340   | 10 | X439009 | SJN | 09/23/24 12:43 |     |
| EPA 200.7 | Molybdenum | < 0.0080  | mg/L | 0.0080   | 0.0034   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Nickel     | 2.76      | mg/L | 0.0100   | 0.0048   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Potassium  | 6.63      | mg/L | 0.50     | 0.18     |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Silver     | < 0.0050  | mg/L | 0.0050   | 0.0019   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Sodium     | 40.6      | mg/L | 0.50     | 0.12     |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Vanadium   | < 0.0050  | mg/L | 0.0050   | 0.0019   |    | X439009 | SJN | 09/23/24 12:14 |     |
| EPA 200.7 | Zinc       | 70.8      | mg/L | 0.100    | 0.0540   | 10 | X439009 | SJN | 09/23/24 12:43 |     |
| EPA 200.8 | Antimony   | < 0.00100 | mg/L | 0.00100  | 0.00072  |    | X438092 | SMU | 09/23/24 17:05 |     |
| EPA 200.8 | Arsenic    | 0.0214    | mg/L | 0.00100  | 0.00021  |    | X438092 | SMU | 09/23/24 20:26 |     |
| EPA 200.8 | Selenium   | 0.0378    | mg/L | 0.00100  | 0.00024  |    | X438092 | SMU | 09/23/24 20:26 |     |
| EPA 200.8 | Thallium   | < 0.00100 | mg/L | 0.00100  | 0.000400 | 5  | X438092 | SMU | 09/23/24 20:28 | D17 |
| EPA 200.8 | Uranium    | 3.64      | mg/L | 0.000500 | 0.000260 | 5  | X438092 | SMU | 09/23/24 20:28 |     |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437234 | MAC | 09/23/24 16:57 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                               |          |               |        |        |    |         |     |                |         |
|-------------|-------------------------------|----------|---------------|--------|--------|----|---------|-----|----------------|---------|
| ASTM D7237  | Cyanide (free) @ pH 6 @20.0°C | < 0.0500 | mg/L          | 0.0500 | 0.0480 | 10 | X439153 | DD  | 09/30/24 14:17 | D15,Q12 |
| EPA 335.4   | Cyanide (total)               | < 0.0050 | mg/L          | 0.0050 | 0.0038 |    | X439001 | DD  | 09/24/24 10:31 |         |
| EPA 350.1   | Ammonia as N                  | < 0.030  | mg/L          | 0.030  | 0.013  |    | X438185 | DD  | 09/23/24 11:24 |         |
| OIA 1677    | Cyanide (WAD)                 | < 0.0050 | mg/L          | 0.0050 | 0.0010 |    | X438184 | DD  | 09/20/24 12:20 |         |
| SM 2310 B   | Acidity to pH 8.3             | 6720     | mg/L as CaCO3 | 10.0   |        |    | X438151 | MWD | 09/23/24 07:29 |         |
| SM 2320 B   | Total Alkalinity              | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X438102 | MWD | 09/18/24 11:47 |         |
| SM 2320 B   | Bicarbonate                   | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X438102 | MWD | 09/18/24 11:47 |         |
| SM 2320 B   | Carbonate                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X438102 | MWD | 09/18/24 11:47 |         |
| SM 2320 B   | Hydroxide                     | < 1.0    | mg/L as CaCO3 | 1.0    |        |    | X438102 | MWD | 09/18/24 11:47 |         |
| SM 2540 C   | Total Diss. Solids            | 13000    | mg/L          | 100    |        |    | X438076 | TJL | 09/19/24 13:50 |         |
| SM 2540 D   | Total Susp. Solids            | 37.0     | mg/L          | 5.0    |        |    | X438078 | TJL | 09/20/24 14:00 |         |
| SM 4500 H B | pH @20.5°C                    | 3.4      | pH Units      |        |        |    | X438102 | MWD | 09/18/24 11:47 | H5      |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 4 of 12



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410262</b><br>Reported: 01-Oct-24 16:39 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **GVMW-125E**  
SVL Sample ID: **X410262-02 (Ground Water)**

Sampled: 16-Sep-24 12:38  
Received: 17-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte              | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                      |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | Chloride             | 24.4    | mg/L  | 2.00  | 0.22  | 10       | X438048 | RS      | 09/17/24 17:37 |       |
| EPA 300.0                           | Fluoride             | 89.1    | mg/L  | 25.0  | 4.25  | 250      | X438048 | RS      | 09/17/24 17:55 |       |
| EPA 300.0                           | Nitrate as N         | 3.63    | mg/L  | 0.500 | 0.130 | 10       | X438048 | RS      | 09/17/24 17:37 | D18   |
| EPA 300.0                           | Nitrate+Nitrite as N | 3.63    | mg/L  | 1.00  | 0.440 | 10       | X438048 | RS      | 09/17/24 17:37 | D18   |
| EPA 300.0                           | Nitrite as N         | < 0.500 | mg/L  | 0.500 | 0.310 | 10       | X438048 | RS      | 09/17/24 17:37 |       |
| EPA 300.0                           | Sulfate as SO4       | 9750    | mg/L  | 75.0  | 45.0  | 250      | X438048 | RS      | 09/17/24 17:55 |       |

**Cation/Anion Balance and TDS Ratios**

|                       |                      |                      |                       |                |
|-----------------------|----------------------|----------------------|-----------------------|----------------|
| Cation Sum: 191 meq/L | Anion Sum: 209 meq/L | C/A Balance: -4.45 % | Calculated TDS: 10813 | TDS/cTDS: 1.20 |
|-----------------------|----------------------|----------------------|-----------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410262**

Reported: 01-Oct-24 16:39

**Quality Control - BLANK Data**

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|--------|---------|-------|--------|-----|-----|----------|----------|-------|
|--------|---------|-------|--------|-----|-----|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |        |       |       |         |           |  |
|-----------|-----------|------|--------|-------|-------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | <0.100 | 0.069 | 0.100 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | <0.500 | 0.090 | 0.500 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | <0.50  | 0.18  | 0.50  | X438196 | 25-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |           |          |          |         |           |  |
|-----------|------------|------|-----------|----------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | <0.080    | 0.054    | 0.080    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | <0.0020   | 0.0019   | 0.0020   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | <0.00200  | 0.00080  | 0.00200  | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | <0.0400   | 0.0078   | 0.0400   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | <0.0020   | 0.0016   | 0.0020   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | <0.100    | 0.069    | 0.100    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | <0.0060   | 0.0020   | 0.0060   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | <0.0060   | 0.0046   | 0.0060   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | <0.0100   | 0.0027   | 0.0100   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | <0.100    | 0.056    | 0.100    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | <0.0075   | 0.0049   | 0.0075   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | <0.040    | 0.025    | 0.040    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | <0.500    | 0.090    | 0.500    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | <0.0080   | 0.0034   | 0.0080   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | <0.0080   | 0.0034   | 0.0080   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | <0.0100   | 0.0048   | 0.0100   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | <0.50     | 0.18     | 0.50     | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | <0.0050   | 0.0019   | 0.0050   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | <0.50     | 0.12     | 0.50     | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | <0.0050   | 0.0019   | 0.0050   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | <0.0100   | 0.0054   | 0.0100   | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | <0.00100  | 0.00072  | 0.00100  | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | <0.00100  | 0.00021  | 0.00100  | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | <0.00100  | 0.00024  | 0.00100  | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | <0.000200 | 0.00008  | 0.000200 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | <0.000100 | 0.000052 | 0.000100 | X438092 | 23-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |           |          |          |         |           |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | <0.000200 | 0.000093 | 0.000200 | X437234 | 23-Sep-24 |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |         |        |        |         |           |  |
|------------|-----------------------|---------------|---------|--------|--------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | <0.0050 | 0.0048 | 0.0050 | X439153 | 30-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | <0.0050 | 0.0038 | 0.0050 | X439001 | 24-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | <0.030  | 0.013  | 0.030  | X438185 | 23-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | <0.0050 | 0.0010 | 0.0050 | X438184 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0   |        | 10.0   | X438151 | 23-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | <1.0    |        | 1.0    | X438102 | 18-Sep-24 |  |
| SM 2320 B  | Bicarbonate           | mg/L as CaCO3 | <1.0    |        | 1.0    | X438102 | 18-Sep-24 |  |
| SM 2320 B  | Carbonate             | mg/L as CaCO3 | <1.0    |        | 1.0    | X438102 | 18-Sep-24 |  |
| SM 2320 B  | Hydroxide             | mg/L as CaCO3 | <1.0    |        | 1.0    | X438102 | 18-Sep-24 |  |
| SM 2540 C  | Total Diss. Solids    | mg/L          | <10     |        | 10     | X438076 | 19-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | <5.0    |        | 5.0    | X438078 | 20-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |        |       |       |         |           |  |
|-----------|----------------------|------|--------|-------|-------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | <0.20  | 0.02  | 0.20  | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | <0.100 | 0.017 | 0.100 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | <0.050 | 0.013 | 0.050 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | <0.100 | 0.044 | 0.100 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | <0.050 | 0.031 | 0.050 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | <0.30  | 0.18  | 0.30  | X438048 | 17-Sep-24 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410262**

Reported: 01-Oct-24 16:39

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 18.8 | 20.0 | 94   | 85 - 115 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.2 | 20.0 | 96.2 | 85 - 115 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | 19.0 | 20.0 | 94.9 | 85 - 115 | X438196 | 25-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.04   | 1.00   | 104  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.978  | 1.00   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 19.6   | 20.0   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.997  | 1.00   | 99.7 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.961  | 1.00   | 96.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.95   | 10.0   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.972  | 1.00   | 97.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.2   | 20.0   | 95.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.992  | 1.00   | 99.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.995  | 1.00   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.6   | 20.0   | 98.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0524 | 0.0500 | 105  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 19.1   | 19.0   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0274 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0284 | 0.0250 | 114  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0265 | 0.0250 | 106  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0276 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0252 | 0.0250 | 101  | 85 - 115 | X438092 | 23-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |     |          |         |           |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00204 | 0.00200 | 102 | 85 - 115 | X437234 | 23-Sep-24 |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |       |       |     |            |         |           |  |
|------------|-----------------------|---------------|-------|-------|-----|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.101 | 0.100 | 101 | 90 - 110   | X439153 | 30-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.101 | 0.100 | 101 | 90 - 110   | X439001 | 24-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 1.09  | 1.00  | 109 | 90 - 110   | X438185 | 23-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.104 | 0.100 | 104 | 90 - 110   | X438184 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897   | 884   | 102 | 95.4 - 104 | X438151 | 23-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 10.3  | 9.93  | 104 | 96.4 - 105 | X438102 | 18-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 413   | 397   | 104 | 96.4 - 105 | X438102 | 18-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 10.0  | 10.0  | 100 | 85 - 115   | X438078 | 20-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |     |          |         |           |  |
|-----------|----------------------|------|------|------|-----|----------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 3.03 | 3.00 | 101 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.03 | 2.00 | 102 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.03 | 2.00 | 102 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.60 | 4.50 | 102 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.57 | 2.50 | 103 | 90 - 110 | X438048 | 17-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 10.3 | 10.0 | 103 | 90 - 110 | X438048 | 17-Sep-24 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410262**

Reported: 01-Oct-24 16:39

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD  | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|------|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |      |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | 149              | 149           | 0.0  | 20        | X438151 - X410176-02 | 23-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 227              | 228           | 0.4  | 10        | X438076 - X410270-04 | 19-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 368              | 399           | 8.1  | 10        | X438076 - X410264-01 | 19-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | 23.0             | 29.0          | 23.1 | 10        | X438078 - X410270-04 | 20-Sep-24 | R2B   |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | 7.0              | 7.0           | 0.0  | 10        | X438078 - X410264-01 | 20-Sep-24 |       |
| SM 4500 H B                           | pH @20.7°C         | pH Units                  | 3.4              | 3.4           | 0.0  | 20        | X438102 - X410262-02 | 18-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                                | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 62.3         | 42.5              | 20.0            | 99     | 70 - 130          | X438196 - X410221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 33.3         | 14.2              | 20.0            | 96     | 70 - 130          | X438196 - X410230-06 | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 27.0         | 6.79              | 20.0            | 101    | 70 - 130          | X438196 - X410221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 20.2         | <0.500            | 20.0            | 98.9   | 70 - 130          | X438196 - X410230-06 | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 20.5         | 1.21              | 20.0            | 96.4   | 70 - 130          | X438196 - X410221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 19.9         | <0.50             | 20.0            | 98.0   | 70 - 130          | X438196 - X410230-06 | 25-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.01         | <0.080            | 1.00            | 101    | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.02         | <0.080            | 1.00            | 102    | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.18         | 0.196             | 1.00            | 98.5   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.09         | 0.101             | 1.00            | 98.9   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 1.01         | <0.0400           | 1.00            | 98.8   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 0.996        | <0.0400           | 1.00            | 98.7   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.987        | <0.0020           | 1.00            | 98.7   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.983        | <0.0020           | 1.00            | 98.3   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 48.3         | 29.4              | 20.0            | 94.9   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 29.9         | 10.4              | 20.0            | 97.5   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.984        | <0.0060           | 1.00            | 98.4   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.993        | <0.0060           | 1.00            | 99.3   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.966        | <0.0060           | 1.00            | 96.6   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.956        | <0.0060           | 1.00            | 95.6   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.974        | <0.0100           | 1.00            | 97.4   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.976        | <0.0100           | 1.00            | 97.6   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 9.73         | <0.100            | 10.0            | 97.3   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 10.0         | <0.100            | 10.0            | 100    | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.983        | <0.0075           | 1.00            | 98.3   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.975        | <0.0075           | 1.00            | 97.5   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.981        | <0.040            | 1.00            | 98.1   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.934        | <0.040            | 1.00            | 93.4   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 26.2         | 6.70              | 20.0            | 97.3   | 70 - 130          | X439009 - X410153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 21.7         | 2.10              | 20.0            | 98.1   | 70 - 130          | X439009 - X410153-02 | 23-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 8 of 12



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410262**

Reported: 01-Oct-24 16:39

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Metals (Dissolved) (Continued)**

|           |            |      |        |           |        |      |          |                      |           |  |
|-----------|------------|------|--------|-----------|--------|------|----------|----------------------|-----------|--|
| EPA 200.7 | Manganese  | mg/L | 0.987  | <0.0080   | 1.00   | 98.0 | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.987  | <0.0080   | 1.00   | 98.7 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 1.01   | <0.0080   | 1.00   | 100  | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.987  | <0.0080   | 1.00   | 98.7 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.966  | <0.0100   | 1.00   | 96.6 | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.957  | <0.0100   | 1.00   | 95.7 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 20.1   | 0.95      | 20.0   | 95.6 | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 20.5   | 0.78      | 20.0   | 98.6 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0539 | <0.0050   | 0.0500 | 108  | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0533 | <0.0050   | 0.0500 | 107  | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 49.6   | 31.6      | 19.0   | 95.1 | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 28.9   | 10.1      | 19.0   | 98.8 | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.00   | <0.0050   | 1.00   | 100  | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.00   | <0.0050   | 1.00   | 100  | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 1.01   | <0.0100   | 1.00   | 101  | 70 - 130 | X439009 - X4I0153-01 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 1.00   | <0.0100   | 1.00   | 100  | 70 - 130 | X439009 - X4I0153-02 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0286 | <0.00100  | 0.0250 | 114  | 70 - 130 | X438092 - X4I0187-01 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0278 | <0.00100  | 0.0250 | 111  | 70 - 130 | X438092 - X4I0221-02 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0270 | <0.00100  | 0.0250 | 105  | 70 - 130 | X438092 - X4I0187-01 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0282 | <0.00100  | 0.0250 | 113  | 70 - 130 | X438092 - X4I0221-02 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0247 | <0.00100  | 0.0250 | 98.8 | 70 - 130 | X438092 - X4I0187-01 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0261 | <0.00100  | 0.0250 | 105  | 70 - 130 | X438092 - X4I0221-02 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0275 | <0.000200 | 0.0250 | 110  | 70 - 130 | X438092 - X4I0187-01 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0267 | <0.000200 | 0.0250 | 107  | 70 - 130 | X438092 - X4I0221-02 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0337 | 0.00424   | 0.0250 | 118  | 70 - 130 | X438092 - X4I0187-01 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0336 | 0.00483   | 0.0250 | 115  | 70 - 130 | X438092 - X4I0221-02 | 23-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |           |         |     |          |                      |           |  |
|-----------|---------|------|---------|-----------|---------|-----|----------|----------------------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00206 | <0.000200 | 0.00200 | 103 | 70 - 130 | X437234 - X4I0176-01 | 23-Sep-24 |  |
| EPA 245.1 | Mercury | mg/L | 0.00203 | <0.000200 | 0.00200 | 102 | 70 - 130 | X437234 - X4I0196-02 | 23-Sep-24 |  |

**Classical Chemistry Parameters**

|            |                       |      |        |         |       |         |          |                      |           |    |
|------------|-----------------------|------|--------|---------|-------|---------|----------|----------------------|-----------|----|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.0980 | <0.0050 | 0.100 | 98.0    | 79 - 121 | X439153 - X4I0262-01 | 30-Sep-24 |    |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.104  | <0.0050 | 0.100 | 104     | 90 - 110 | X439001 - X4I0262-01 | 24-Sep-24 |    |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.588  | 0.454   | 0.100 | 0.30R>S | 90 - 110 | X439001 - X4I0211-01 | 24-Sep-24 | M4 |
| EPA 350.1  | Ammonia as N          | mg/L | 1.79   | 0.742   | 1.00  | 105     | 90 - 110 | X438185 - X4I0266-09 | 23-Sep-24 |    |
| EPA 350.1  | Ammonia as N          | mg/L | 1.74   | 0.653   | 1.00  | 109     | 90 - 110 | X438185 - X4I0266-10 | 23-Sep-24 |    |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.101  | <0.0050 | 0.100 | 99.0    | 82 - 118 | X438184 - X4I0262-01 | 20-Sep-24 |    |

**Anions by Ion Chromatography**

|           |                      |      |      |        |      |     |          |                      |           |  |
|-----------|----------------------|------|------|--------|------|-----|----------|----------------------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 5.66 | 2.46   | 3.00 | 106 | 90 - 110 | X438048 - X4I0242-02 | 17-Sep-24 |  |
| EPA 300.0 | Chloride             | mg/L | 3.22 | <0.20  | 3.00 | 101 | 90 - 110 | X438048 - X4I0262-01 | 17-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.13 | <0.100 | 2.00 | 104 | 90 - 110 | X438048 - X4I0242-02 | 17-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.12 | <0.100 | 2.00 | 102 | 90 - 110 | X438048 - X4I0262-01 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.03 | <0.050 | 2.00 | 102 | 90 - 110 | X438048 - X4I0242-02 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.06 | <0.050 | 2.00 | 102 | 90 - 110 | X438048 - X4I0262-01 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.07 | <0.100 | 4.00 | 102 | 90 - 110 | X438048 - X4I0242-02 | 17-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.15 | <0.100 | 4.00 | 104 | 90 - 110 | X438048 - X4I0262-01 | 17-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.04 | <0.050 | 2.00 | 102 | 90 - 110 | X438048 - X4I0242-02 | 17-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.09 | <0.050 | 2.00 | 104 | 90 - 110 | X438048 - X4I0262-01 | 17-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 22.6 | 12.2   | 10.0 | 104 | 90 - 110 | X438048 - X4I0242-02 | 17-Sep-24 |  |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 9 of 12



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410262**

Reported: 01-Oct-24 16:39

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method | Analyte | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID | Analyzed | Notes |
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|
|--------|---------|-------|--------------|-------------------|-----------------|--------|-------------------|---------------------|----------|-------|

**Anions by Ion Chromatography (Continued)**

|           |                |      |      |      |      |     |          |                      |           |  |
|-----------|----------------|------|------|------|------|-----|----------|----------------------|-----------|--|
| EPA 300.0 | Sulfate as SO4 | mg/L | 10.9 | 0.55 | 10.0 | 103 | 90 - 110 | X438048 - X410262-01 | 17-Sep-24 |  |
|-----------|----------------|------|------|------|------|-----|----------|----------------------|-----------|--|

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method | Analyte | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID | Notes |
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|
|--------|---------|-------|------------|--------------|-------------|-----|-----------|------------|---------------------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |     |    |      |                      |  |
|-----------|-----------|------|------|------|------|-----|----|------|----------------------|--|
| EPA 200.7 | Calcium   | mg/L | 60.9 | 62.3 | 20.0 | 2.0 | 20 | 92   | X438196 - X410221-01 |  |
| EPA 200.7 | Magnesium | mg/L | 26.1 | 27.0 | 20.0 | 3.4 | 20 | 96.7 | X438196 - X410221-01 |  |
| EPA 200.7 | Potassium | mg/L | 19.9 | 20.5 | 20.0 | 2.8 | 20 | 93.6 | X438196 - X410221-01 |  |

**Metals (Dissolved)**

|           |            |      |        |        |        |     |    |      |                      |  |
|-----------|------------|------|--------|--------|--------|-----|----|------|----------------------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.01   | 1.01   | 1.00   | 0.5 | 20 | 101  | X439009 - X410153-01 |  |
| EPA 200.7 | Barium     | mg/L | 1.17   | 1.18   | 1.00   | 0.6 | 20 | 97.8 | X439009 - X410153-01 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.02   | 1.02   | 1.00   | 0.4 | 20 | 102  | X439009 - X410153-01 |  |
| EPA 200.7 | Boron      | mg/L | 1.01   | 1.01   | 1.00   | 0.3 | 20 | 99.0 | X439009 - X410153-01 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.975  | 0.987  | 1.00   | 1.2 | 20 | 97.5 | X439009 - X410153-01 |  |
| EPA 200.7 | Calcium    | mg/L | 48.7   | 48.3   | 20.0   | 0.7 | 20 | 96.6 | X439009 - X410153-01 |  |
| EPA 200.7 | Chromium   | mg/L | 0.986  | 0.984  | 1.00   | 0.2 | 20 | 98.6 | X439009 - X410153-01 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.953  | 0.966  | 1.00   | 1.4 | 20 | 95.3 | X439009 - X410153-01 |  |
| EPA 200.7 | Copper     | mg/L | 0.974  | 0.974  | 1.00   | 0.0 | 20 | 97.4 | X439009 - X410153-01 |  |
| EPA 200.7 | Iron       | mg/L | 9.97   | 9.73   | 10.0   | 2.4 | 20 | 99.7 | X439009 - X410153-01 |  |
| EPA 200.7 | Lead       | mg/L | 0.974  | 0.983  | 1.00   | 0.9 | 20 | 97.4 | X439009 - X410153-01 |  |
| EPA 200.7 | Lithium    | mg/L | 0.977  | 0.981  | 1.00   | 0.3 | 20 | 97.7 | X439009 - X410153-01 |  |
| EPA 200.7 | Magnesium  | mg/L | 26.7   | 26.2   | 20.0   | 1.9 | 20 | 99.8 | X439009 - X410153-01 |  |
| EPA 200.7 | Manganese  | mg/L | 0.986  | 0.987  | 1.00   | 0.1 | 20 | 98.0 | X439009 - X410153-01 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.999  | 1.01   | 1.00   | 0.6 | 20 | 99.5 | X439009 - X410153-01 |  |
| EPA 200.7 | Nickel     | mg/L | 0.953  | 0.966  | 1.00   | 1.4 | 20 | 95.3 | X439009 - X410153-01 |  |
| EPA 200.7 | Potassium  | mg/L | 20.7   | 20.1   | 20.0   | 2.9 | 20 | 98.5 | X439009 - X410153-01 |  |
| EPA 200.7 | Silver     | mg/L | 0.0530 | 0.0539 | 0.0500 | 1.6 | 20 | 106  | X439009 - X410153-01 |  |
| EPA 200.7 | Sodium     | mg/L | 49.9   | 49.6   | 19.0   | 0.6 | 20 | 96.7 | X439009 - X410153-01 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.00   | 1.00   | 1.00   | 0.4 | 20 | 100  | X439009 - X410153-01 |  |
| EPA 200.7 | Zinc       | mg/L | 1.00   | 1.01   | 1.00   | 1.0 | 20 | 100  | X439009 - X410153-01 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0289 | 0.0286 | 0.0250 | 1.3 | 20 | 116  | X438092 - X410187-01 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0278 | 0.0270 | 0.0250 | 3.0 | 20 | 108  | X438092 - X410187-01 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0254 | 0.0247 | 0.0250 | 2.9 | 20 | 102  | X438092 - X410187-01 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0277 | 0.0275 | 0.0250 | 0.6 | 20 | 111  | X438092 - X410187-01 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0336 | 0.0337 | 0.0250 | 0.2 | 20 | 117  | X438092 - X410187-01 |  |

**Metals (Filtered)**

|           |         |      |         |         |         |     |    |     |                      |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|
| EPA 245.1 | Mercury | mg/L | 0.00213 | 0.00206 | 0.00200 | 3.3 | 20 | 106 | X437234 - X410176-01 |  |
|-----------|---------|------|---------|---------|---------|-----|----|-----|----------------------|--|

**Classical Chemistry Parameters**

|            |                       |      |       |        |       |     |    |         |                      |    |
|------------|-----------------------|------|-------|--------|-------|-----|----|---------|----------------------|----|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L | 0.102 | 0.0980 | 0.100 | 4.0 | 11 | 102     | X439153 - X410262-01 |    |
| EPA 335.4  | Cyanide (total)       | mg/L | 0.585 | 0.588  | 0.100 | 0.6 | 20 | 0.30R>S | X439001 - X410211-01 | M4 |
| EPA 350.1  | Ammonia as N          | mg/L | 1.80  | 1.79   | 1.00  | 0.4 | 20 | 106     | X438185 - X410266-09 |    |
| OIA 1677   | Cyanide (WAD)         | mg/L | 0.108 | 0.101  | 0.100 | 6.7 | 11 | 106     | X438184 - X410262-01 |    |

**Anions by Ion Chromatography**

|           |                      |      |      |      |      |     |    |     |                      |  |
|-----------|----------------------|------|------|------|------|-----|----|-----|----------------------|--|
| EPA 300.0 | Chloride             | mg/L | 5.67 | 5.66 | 3.00 | 0.2 | 20 | 107 | X438048 - X410242-02 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.14 | 2.13 | 2.00 | 0.1 | 20 | 104 | X438048 - X410242-02 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.04 | 2.03 | 2.00 | 0.2 | 20 | 102 | X438048 - X410242-02 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.08 | 4.07 | 4.00 | 0.2 | 20 | 102 | X438048 - X410242-02 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.05 | 2.04 | 2.00 | 0.3 | 20 | 102 | X438048 - X410242-02 |  |

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|                                             |  |  |  |  |                                                               |  |  |  |  |
|---------------------------------------------|--|--|--|--|---------------------------------------------------------------|--|--|--|--|
| <b>Newmont - Cripple Creek &amp; Victor</b> |  |  |  |  | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b> |  |  |  |  |
| Post Office Box 191                         |  |  |  |  | Work Order: <b>X410262</b>                                    |  |  |  |  |
| Victor, CO 80860                            |  |  |  |  | Reported: 01-Oct-24 16:39                                     |  |  |  |  |

| <b>Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)</b> |                |       |            |              |             |     |           |            |                      |       |
|------------------------------------------------------------------|----------------|-------|------------|--------------|-------------|-----|-----------|------------|----------------------|-------|
| Method                                                           | Analyte        | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID  | Notes |
| <b>Anions by Ion Chromatography (Continued)</b>                  |                |       |            |              |             |     |           |            |                      |       |
| EPA 300.0                                                        | Sulfate as SO4 | mg/L  | 22.7       | 22.6         | 10.0        | 0.1 | 20        | 105        | X438048 - X410242-02 |       |



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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410262**

Reported: 01-Oct-24 16:39

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**Notes and Definitions**

|         |                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D15     | Due to sample viscosity, a sample dilution was performed.                                                                                                            |
| D17     | Due to an internal standard failure at a lower dilution, a sample dilution was performed.                                                                            |
| D18     | Due to a published chemical interference, a sample dilution was performed.                                                                                           |
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.                |
| M4      | The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable. |
| Q12     | Sample was received and analyzed with pH <12.                                                                                                                        |
| Q5C     | After two pH adjustments, the method-specified pH was not achieved.                                                                                                  |
| R2B     | RPD exceeded the laboratory acceptance limit.                                                                                                                        |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                                              |
| RPD     | Relative Percent Difference                                                                                                                                          |
| UDL     | A result is less than the detection limit                                                                                                                            |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                                  |
| <RL     | A result is less than the reporting limit                                                                                                                            |
| MRL     | Method Reporting Limit                                                                                                                                               |
| MDL     | Method Detection Limit                                                                                                                                               |
| N/A     | Not Applicable                                                                                                                                                       |

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Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0223**

Reported: 26-Sep-24 15:46

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix       | Date Sampled    | Sampled By | Date Received | Notes |
|-----------|---------------|--------------|-----------------|------------|---------------|-------|
| RB-0912   | X4I0223-01    | Ground Water | 12-Sep-24 09:11 | TR         | 13-Sep-2024   |       |

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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**Case Narrative: X4I0223**

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO<sub>3</sub> before CN analysis for sulfide interference at client request.



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**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410223**

Reported: 26-Sep-24 15:46

Client Sample ID: **RB-0912**

Sampled: 12-Sep-24 09:11

Received: 13-Sep-24

Sampled By: TR

SVL Sample ID: **X410223-01 (Ground Water)**

**Sample Report Page 1 of 2**

| Method | Analyte | Result | Units | RL | MDL | Dilution | Batch | Analyst | Analyzed | Notes |
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|
|--------|---------|--------|-------|----|-----|----------|-------|---------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |                     |         |      |       |       |  |         |     |                |  |
|-----------|---------------------|---------|------|-------|-------|--|---------|-----|----------------|--|
| EPA 200.7 | Calcium             | < 0.100 | mg/L | 0.100 | 0.069 |  | X438196 | SJN | 09/25/24 15:50 |  |
| EPA 200.7 | Magnesium           | < 0.500 | mg/L | 0.500 | 0.090 |  | X438196 | SJN | 09/25/24 15:50 |  |
| EPA 200.7 | Potassium           | < 0.50  | mg/L | 0.50  | 0.18  |  | X438196 | SJN | 09/25/24 15:50 |  |
| SM 2340 B | Hardness (as CaCO3) | < 2.31  | mg/L | 2.31  | 0.543 |  | N/A     |     | 09/23/24 12:07 |  |

**Metals (Dissolved)**

|           |                |            |      |          |          |  |         |     |                |  |
|-----------|----------------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 200.7 | Aluminum       | < 0.080    | mg/L | 0.080    | 0.054    |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Barium         | < 0.0020   | mg/L | 0.0020   | 0.0019   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Beryllium      | < 0.00200  | mg/L | 0.00200  | 0.00080  |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Boron          | < 0.0400   | mg/L | 0.0400   | 0.0078   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Cadmium        | < 0.0020   | mg/L | 0.0020   | 0.0016   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | <b>Calcium</b> | 0.139      | mg/L | 0.100    | 0.069    |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Chromium       | < 0.0060   | mg/L | 0.0060   | 0.0020   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Cobalt         | < 0.0060   | mg/L | 0.0060   | 0.0046   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Copper         | < 0.0100   | mg/L | 0.0100   | 0.0027   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Iron           | < 0.100    | mg/L | 0.100    | 0.056    |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Lead           | < 0.0075   | mg/L | 0.0075   | 0.0049   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Lithium        | < 0.040    | mg/L | 0.040    | 0.025    |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Magnesium      | < 0.500    | mg/L | 0.500    | 0.090    |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Manganese      | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Molybdenum     | < 0.0080   | mg/L | 0.0080   | 0.0034   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Nickel         | < 0.0100   | mg/L | 0.0100   | 0.0048   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Potassium      | < 0.50     | mg/L | 0.50     | 0.18     |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Silver         | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Sodium         | < 0.50     | mg/L | 0.50     | 0.12     |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Vanadium       | < 0.0050   | mg/L | 0.0050   | 0.0019   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.7 | Zinc           | < 0.0100   | mg/L | 0.0100   | 0.0054   |  | X439009 | SJN | 09/23/24 12:07 |  |
| EPA 200.8 | Antimony       | < 0.00100  | mg/L | 0.00100  | 0.00072  |  | X438092 | SMU | 09/23/24 17:00 |  |
| EPA 200.8 | Arsenic        | < 0.00100  | mg/L | 0.00100  | 0.00021  |  | X438092 | SMU | 09/23/24 17:00 |  |
| EPA 200.8 | Selenium       | < 0.00100  | mg/L | 0.00100  | 0.00024  |  | X438092 | SMU | 09/23/24 17:00 |  |
| EPA 200.8 | Thallium       | < 0.000200 | mg/L | 0.000200 | 0.00008  |  | X438092 | SMU | 09/23/24 17:00 |  |
| EPA 200.8 | Uranium        | < 0.000100 | mg/L | 0.000100 | 0.000052 |  | X438092 | SMU | 09/23/24 17:00 |  |

**Metals (Filtered)**

|           |         |            |      |          |          |  |         |     |                |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|
| EPA 245.1 | Mercury | < 0.000200 | mg/L | 0.000200 | 0.000093 |  | X437234 | MAC | 09/23/24 16:47 |  |
|-----------|---------|------------|------|----------|----------|--|---------|-----|----------------|--|

**Classical Chemistry Parameters**

|             |                       |          |               |        |        |  |         |     |                |    |
|-------------|-----------------------|----------|---------------|--------|--------|--|---------|-----|----------------|----|
| ASTM D7237  | Cyanide (free) @ pH 6 | < 0.0050 | mg/L          | 0.0050 | 0.0048 |  | X437240 | DD  | 09/19/24 14:41 |    |
| EPA 335.4   | Cyanide (total)       | < 0.0050 | mg/L          | 0.0050 | 0.0038 |  | X438003 | DD  | 09/16/24 13:53 |    |
| EPA 350.1   | Ammonia as N          | < 0.030  | mg/L          | 0.030  | 0.013  |  | X438053 | DD  | 09/25/24 11:10 |    |
| OIA 1677    | Cyanide (WAD)         | < 0.0050 | mg/L          | 0.0050 | 0.0010 |  | X438183 | DD  | 09/20/24 12:09 |    |
| SM 2310 B   | Acidity to pH 8.3     | < 10.0   | mg/L as CaCO3 | 10.0   |        |  | X438151 | MWD | 09/23/24 07:29 |    |
| SM 2320 B   | Total Alkalinity      | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:22 |    |
| SM 2320 B   | Bicarbonate           | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:22 |    |
| SM 2320 B   | Carbonate             | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:22 |    |
| SM 2320 B   | Hydroxide             | < 1.0    | mg/L as CaCO3 | 1.0    |        |  | X438040 | MWD | 09/17/24 18:22 |    |
| SM 2540 C   | Total Diss. Solids    | < 10     | mg/L          | 10     |        |  | X438014 | TJL | 09/17/24 13:00 |    |
| SM 2540 D   | Total Susp. Solids    | < 5.0    | mg/L          | 5.0    |        |  | X438015 | TJL | 09/17/24 12:20 |    |
| SM 4500 H B | <b>pH @21.9°C</b>     | 5.5      | pH Units      |        |        |  | X438040 | MWD | 09/17/24 18:22 | H5 |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 2 of 9



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|                                                                                        |                                                                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Newmont - Cripple Creek &amp; Victor</b><br>Post Office Box 191<br>Victor, CO 80860 | <b>Project Name: Cripple Creek/Victor Water and Soil 2024</b><br>Work Order: <b>X410223</b><br>Reported: 26-Sep-24 15:46 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

Client Sample ID: **RB-0912**  
SVL Sample ID: **X410223-01 (Ground Water)**

Sampled: 12-Sep-24 09:11  
Received: 13-Sep-24  
Sampled By: TR

Sample Report Page 2 of 2

| Method                              | Analyte               | Result  | Units | RL    | MDL   | Dilution | Batch   | Analyst | Analyzed       | Notes |
|-------------------------------------|-----------------------|---------|-------|-------|-------|----------|---------|---------|----------------|-------|
| <b>Anions by Ion Chromatography</b> |                       |         |       |       |       |          |         |         |                |       |
| EPA 300.0                           | <b>Chloride</b>       | 0.22    | mg/L  | 0.20  | 0.02  |          | X437174 | RS      | 09/13/24 16:21 |       |
| EPA 300.0                           | Fluoride              | < 0.100 | mg/L  | 0.100 | 0.017 |          | X437174 | RS      | 09/13/24 16:21 |       |
| EPA 300.0                           | Nitrate as N          | < 0.050 | mg/L  | 0.050 | 0.013 |          | X437174 | RS      | 09/13/24 16:21 |       |
| EPA 300.0                           | Nitrate+Nitrite as N  | < 0.100 | mg/L  | 0.100 | 0.044 |          | X437174 | RS      | 09/13/24 16:21 |       |
| EPA 300.0                           | Nitrite as N          | < 0.050 | mg/L  | 0.050 | 0.031 |          | X437174 | RS      | 09/13/24 16:21 |       |
| EPA 300.0                           | <b>Sulfate as SO4</b> | 0.75    | mg/L  | 0.30  | 0.18  |          | X437174 | RS      | 09/13/24 16:21 |       |

**Cation/Anion Balance and TDS Ratios**

|                        |                       |                       |                   |                |
|------------------------|-----------------------|-----------------------|-------------------|----------------|
| Cation Sum: 0.03 meq/L | Anion Sum: 0.05 meq/L | C/A Balance: -15.37 % | Calculated TDS: 1 | TDS/cTDS: 0.00 |
|------------------------|-----------------------|-----------------------|-------------------|----------------|

This data has been reviewed for accuracy and has been authorized for release.

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410223**

Reported: 26-Sep-24 15:46

**Quality Control - BLANK Data**

| Method | Analyte | Units | Result | MDL | MRL | Batch ID | Analyzed | Notes |
|--------|---------|-------|--------|-----|-----|----------|----------|-------|
|--------|---------|-------|--------|-----|-----|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |        |       |       |         |           |  |
|-----------|-----------|------|--------|-------|-------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | <0.100 | 0.069 | 0.100 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | <0.500 | 0.090 | 0.500 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | <0.50  | 0.18  | 0.50  | X438196 | 25-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |           |          |          |         |           |  |
|-----------|------------|------|-----------|----------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | <0.080    | 0.054    | 0.080    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | <0.0020   | 0.0019   | 0.0020   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | <0.00200  | 0.00080  | 0.00200  | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | <0.0400   | 0.0078   | 0.0400   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | <0.0020   | 0.0016   | 0.0020   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | <0.100    | 0.069    | 0.100    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | <0.0060   | 0.0020   | 0.0060   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | <0.0060   | 0.0046   | 0.0060   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | <0.0100   | 0.0027   | 0.0100   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | <0.100    | 0.056    | 0.100    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | <0.0075   | 0.0049   | 0.0075   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | <0.040    | 0.025    | 0.040    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | <0.500    | 0.090    | 0.500    | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | <0.0080   | 0.0034   | 0.0080   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | <0.0080   | 0.0034   | 0.0080   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | <0.0100   | 0.0048   | 0.0100   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | <0.50     | 0.18     | 0.50     | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | <0.0050   | 0.0019   | 0.0050   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | <0.50     | 0.12     | 0.50     | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | <0.0050   | 0.0019   | 0.0050   | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | <0.0100   | 0.0054   | 0.0100   | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | <0.00100  | 0.00072  | 0.00100  | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | <0.00100  | 0.00021  | 0.00100  | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | <0.00100  | 0.00024  | 0.00100  | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | <0.000200 | 0.00008  | 0.000200 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | <0.000100 | 0.000052 | 0.000100 | X438092 | 23-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |           |          |          |         |           |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | <0.000200 | 0.000093 | 0.000200 | X437234 | 23-Sep-24 |  |
|-----------|---------|------|-----------|----------|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|             |                       |               |         |        |        |         |           |  |
|-------------|-----------------------|---------------|---------|--------|--------|---------|-----------|--|
| ASTM D7237  | Cyanide (free) @ pH 6 | mg/L          | <0.0050 | 0.0048 | 0.0050 | X437240 | 19-Sep-24 |  |
| EPA 335.4   | Cyanide (total)       | mg/L          | <0.0050 | 0.0038 | 0.0050 | X438003 | 16-Sep-24 |  |
| EPA 350.1   | Ammonia as N          | mg/L          | <0.030  | 0.013  | 0.030  | X438053 | 25-Sep-24 |  |
| OIA 1677    | Cyanide (WAD)         | mg/L          | <0.0050 | 0.0010 | 0.0050 | X438183 | 20-Sep-24 |  |
| SM 2310 B   | Acidity to pH 8.3     | mg/L as CaCO3 | <10.0   |        | 10.0   | X438151 | 23-Sep-24 |  |
| SM 2320 B   | Total Alkalinity      | mg/L as CaCO3 | <1.0    |        | 1.0    | X438040 | 18-Sep-24 |  |
| SM 2320 B   | Bicarbonate           | mg/L as CaCO3 | <1.0    |        | 1.0    | X438040 | 18-Sep-24 |  |
| SM 2320 B   | Carbonate             | mg/L as CaCO3 | <1.0    |        | 1.0    | X438040 | 18-Sep-24 |  |
| SM 2320 B   | Hydroxide             | mg/L as CaCO3 | <1.0    |        | 1.0    | X438040 | 18-Sep-24 |  |
| SM 2540 C   | Total Diss. Solids    | mg/L          | <10     |        | 10     | X438014 | 17-Sep-24 |  |
| SM 2540 D   | Total Susp. Solids    | mg/L          | <5.0    |        | 5.0    | X438015 | 17-Sep-24 |  |
| SM 4500 H B | pH @21.6°C            | pH Units      | 5.9     |        |        | X438040 | 18-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |        |       |       |         |           |  |
|-----------|----------------------|------|--------|-------|-------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | <0.20  | 0.02  | 0.20  | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | <0.100 | 0.017 | 0.100 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | <0.050 | 0.013 | 0.050 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | <0.100 | 0.044 | 0.100 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | <0.050 | 0.031 | 0.050 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | <0.30  | 0.18  | 0.30  | X437174 | 13-Sep-24 |  |



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[www.svl.net](http://www.svl.net)
**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**

Work Order: **X410223**

Reported: 26-Sep-24 15:46

**Quality Control - LABORATORY CONTROL SAMPLE Data**

| Method | Analyte | Units | LCS Result | LCS True | % Rec. | Acceptance Limits | Batch ID | Analyzed | Notes |
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|
|--------|---------|-------|------------|----------|--------|-------------------|----------|----------|-------|

**Metals (Total Recoverable--reportable as Total per 40 CFR 136)**

|           |           |      |      |      |      |          |         |           |  |
|-----------|-----------|------|------|------|------|----------|---------|-----------|--|
| EPA 200.7 | Calcium   | mg/L | 18.8 | 20.0 | 94   | 85 - 115 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Magnesium | mg/L | 19.2 | 20.0 | 96.2 | 85 - 115 | X438196 | 25-Sep-24 |  |
| EPA 200.7 | Potassium | mg/L | 19.0 | 20.0 | 94.9 | 85 - 115 | X438196 | 25-Sep-24 |  |

**Metals (Dissolved)**

|           |            |      |        |        |      |          |         |           |  |
|-----------|------------|------|--------|--------|------|----------|---------|-----------|--|
| EPA 200.7 | Aluminum   | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Barium     | mg/L | 0.985  | 1.00   | 98.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Beryllium  | mg/L | 1.04   | 1.00   | 104  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Boron      | mg/L | 0.984  | 1.00   | 98.4 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cadmium    | mg/L | 0.978  | 1.00   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Calcium    | mg/L | 19.6   | 20.0   | 97.8 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Chromium   | mg/L | 0.997  | 1.00   | 99.7 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Cobalt     | mg/L | 0.961  | 1.00   | 96.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Copper     | mg/L | 1.00   | 1.00   | 100  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Iron       | mg/L | 9.95   | 10.0   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lead       | mg/L | 0.972  | 1.00   | 97.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Lithium    | mg/L | 0.939  | 1.00   | 93.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Magnesium  | mg/L | 19.2   | 20.0   | 95.9 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Manganese  | mg/L | 0.992  | 1.00   | 99.2 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Molybdenum | mg/L | 0.995  | 1.00   | 99.5 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Nickel     | mg/L | 0.971  | 1.00   | 97.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Potassium  | mg/L | 19.6   | 20.0   | 98.1 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Silver     | mg/L | 0.0524 | 0.0500 | 105  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Sodium     | mg/L | 19.1   | 19.0   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Vanadium   | mg/L | 1.01   | 1.00   | 101  | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.7 | Zinc       | mg/L | 0.986  | 1.00   | 98.6 | 85 - 115 | X439009 | 23-Sep-24 |  |
| EPA 200.8 | Antimony   | mg/L | 0.0274 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Arsenic    | mg/L | 0.0284 | 0.0250 | 114  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Selenium   | mg/L | 0.0265 | 0.0250 | 106  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Thallium   | mg/L | 0.0276 | 0.0250 | 110  | 85 - 115 | X438092 | 23-Sep-24 |  |
| EPA 200.8 | Uranium    | mg/L | 0.0252 | 0.0250 | 101  | 85 - 115 | X438092 | 23-Sep-24 |  |

**Metals (Filtered)**

|           |         |      |         |         |     |          |         |           |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|
| EPA 245.1 | Mercury | mg/L | 0.00204 | 0.00200 | 102 | 85 - 115 | X437234 | 23-Sep-24 |  |
|-----------|---------|------|---------|---------|-----|----------|---------|-----------|--|

**Classical Chemistry Parameters**

|            |                       |               |        |       |      |            |         |           |  |
|------------|-----------------------|---------------|--------|-------|------|------------|---------|-----------|--|
| ASTM D7237 | Cyanide (free) @ pH 6 | mg/L          | 0.0990 | 0.100 | 99.0 | 90 - 110   | X437240 | 19-Sep-24 |  |
| EPA 335.4  | Cyanide (total)       | mg/L          | 0.109  | 0.100 | 109  | 90 - 110   | X438003 | 16-Sep-24 |  |
| EPA 350.1  | Ammonia as N          | mg/L          | 0.977  | 1.00  | 97.7 | 90 - 110   | X438053 | 25-Sep-24 |  |
| OIA 1677   | Cyanide (WAD)         | mg/L          | 0.103  | 0.100 | 103  | 90 - 110   | X438183 | 20-Sep-24 |  |
| SM 2310 B  | Acidity to pH 8.3     | mg/L as CaCO3 | 897    | 884   | 102  | 95.4 - 104 | X438151 | 23-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 98.8   | 99.3  | 99.5 | 96.4 - 105 | X438040 | 17-Sep-24 |  |
| SM 2320 B  | Total Alkalinity      | mg/L as CaCO3 | 9.80   | 9.93  | 98.7 | 96.4 - 105 | X438040 | 18-Sep-24 |  |
| SM 2540 D  | Total Susp. Solids    | mg/L          | 9.0    | 10.0  | 90.0 | 85 - 115   | X438015 | 17-Sep-24 |  |

**Anions by Ion Chromatography**

|           |                      |      |      |      |     |          |         |           |  |
|-----------|----------------------|------|------|------|-----|----------|---------|-----------|--|
| EPA 300.0 | Chloride             | mg/L | 3.11 | 3.00 | 104 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Fluoride             | mg/L | 2.04 | 2.00 | 102 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrate as N         | mg/L | 2.06 | 2.00 | 103 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrate+Nitrite as N | mg/L | 4.65 | 4.50 | 103 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Nitrite as N         | mg/L | 2.59 | 2.50 | 104 | 90 - 110 | X437174 | 13-Sep-24 |  |
| EPA 300.0 | Sulfate as SO4       | mg/L | 10.5 | 10.0 | 105 | 90 - 110 | X437174 | 13-Sep-24 |  |

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410223**

Reported: 26-Sep-24 15:46

**Quality Control - DUPLICATE Data**

| Method                                | Analyte            | Units                     | Duplicate Result | Sample Result | RPD | RPD Limit | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|--------------------|---------------------------|------------------|---------------|-----|-----------|----------------------|-----------|-------|
| <b>Classical Chemistry Parameters</b> |                    |                           |                  |               |     |           |                      |           |       |
| SM 2310 B                             | Acidity to pH 8.3  | mg/L as CaCO <sub>3</sub> | 149              | 149           | 0.0 | 20        | X438151 - X4I0176-02 | 23-Sep-24 |       |
| SM 2320 B                             | Total Alkalinity   | mg/L as CaCO <sub>3</sub> | 48.2             | 48.6          | 0.8 | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |
| SM 2320 B                             | Bicarbonate        | mg/L as CaCO <sub>3</sub> | 48.2             | 48.6          | 0.8 | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |
| SM 2320 B                             | Carbonate          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |
| SM 2320 B                             | Hydroxide          | mg/L as CaCO <sub>3</sub> | <1.0             | <1.0          | UDL | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |
| SM 2540 C                             | Total Diss. Solids | mg/L                      | 288              | 277           | 3.9 | 10        | X438014 - X4I0221-02 | 17-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | <RL | 10        | X438015 - X4I0221-02 | 17-Sep-24 |       |
| SM 2540 D                             | Total Susp. Solids | mg/L                      | <5.0             | <5.0          | <RL | 10        | X438015 - X4I0187-01 | 17-Sep-24 |       |
| SM 4500 H B                           | pH @22.1°C         | pH Units                  | 7.1              | 7.1           | 0.1 | 20        | X438040 - X4I0221-02 | 17-Sep-24 |       |

**Quality Control - MATRIX SPIKE Data**

| Method                                                                | Analyte   | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec. | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|-----------------------------------------------------------------------|-----------|-------|--------------|-------------------|-----------------|--------|-------------------|----------------------|-----------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 62.3         | 42.5              | 20.0            | 99     | 70 - 130          | X438196 - X4I0221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 33.3         | 14.2              | 20.0            | 96     | 70 - 130          | X438196 - X4I0230-06 | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 27.0         | 6.79              | 20.0            | 101    | 70 - 130          | X438196 - X4I0221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 20.2         | <0.500            | 20.0            | 98.9   | 70 - 130          | X438196 - X4I0230-06 | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 20.5         | 1.21              | 20.0            | 96.4   | 70 - 130          | X438196 - X4I0221-01 | 25-Sep-24 |       |
| EPA 200.7                                                             | Potassium | mg/L  | 19.9         | <0.50             | 20.0            | 98.0   | 70 - 130          | X438196 - X4I0230-06 | 25-Sep-24 |       |
| <b>Metals (Dissolved)</b>                                             |           |       |              |                   |                 |        |                   |                      |           |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.01         | <0.080            | 1.00            | 101    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Aluminum  | mg/L  | 1.02         | <0.080            | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.18         | 0.196             | 1.00            | 98.5   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Barium    | mg/L  | 1.09         | 0.101             | 1.00            | 98.9   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Beryllium | mg/L  | 1.02         | <0.00200          | 1.00            | 102    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 1.01         | <0.0400           | 1.00            | 98.8   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Boron     | mg/L  | 0.996        | <0.0400           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.987        | <0.0020           | 1.00            | 98.7   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cadmium   | mg/L  | 0.983        | <0.0020           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 48.3         | 29.4              | 20.0            | 94.9   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Calcium   | mg/L  | 29.9         | 10.4              | 20.0            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.984        | <0.0060           | 1.00            | 98.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Chromium  | mg/L  | 0.993        | <0.0060           | 1.00            | 99.3   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.966        | <0.0060           | 1.00            | 96.6   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Cobalt    | mg/L  | 0.956        | <0.0060           | 1.00            | 95.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.974        | <0.0100           | 1.00            | 97.4   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Copper    | mg/L  | 0.976        | <0.0100           | 1.00            | 97.6   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 9.73         | <0.100            | 10.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Iron      | mg/L  | 10.0         | <0.100            | 10.0            | 100    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.983        | <0.0075           | 1.00            | 98.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lead      | mg/L  | 0.975        | <0.0075           | 1.00            | 97.5   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.981        | <0.040            | 1.00            | 98.1   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Lithium   | mg/L  | 0.934        | <0.040            | 1.00            | 93.4   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 26.2         | 6.70              | 20.0            | 97.3   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                                                             | Magnesium | mg/L  | 21.7         | 2.10              | 20.0            | 98.1   | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                                                             | Manganese | mg/L  | 0.987        | <0.0080           | 1.00            | 98.0   | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 9

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X4I0223**

Reported: 26-Sep-24 15:46

**Quality Control - MATRIX SPIKE Data (Continued)**

| Method                                | Analyte               | Units | Spike Result | Sample Result (R) | Spike Level (S) | % Rec.  | Acceptance Limits | Batch and Source ID  | Analyzed  | Notes |
|---------------------------------------|-----------------------|-------|--------------|-------------------|-----------------|---------|-------------------|----------------------|-----------|-------|
| <b>Metals (Dissolved) (Continued)</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 200.7                             | Manganese             | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 1.01         | <0.0080           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Molybdenum            | mg/L  | 0.987        | <0.0080           | 1.00            | 98.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.966        | <0.0100           | 1.00            | 96.6    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Nickel                | mg/L  | 0.957        | <0.0100           | 1.00            | 95.7    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.1         | 0.95              | 20.0            | 95.6    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Potassium             | mg/L  | 20.5         | 0.78              | 20.0            | 98.6    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0539       | <0.0050           | 0.0500          | 108     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Silver                | mg/L  | 0.0533       | <0.0050           | 0.0500          | 107     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 49.6         | 31.6              | 19.0            | 95.1    | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Sodium                | mg/L  | 28.9         | 10.1              | 19.0            | 98.8    | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Vanadium              | mg/L  | 1.00         | <0.0050           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.01         | <0.0100           | 1.00            | 101     | 70 - 130          | X439009 - X4I0153-01 | 23-Sep-24 |       |
| EPA 200.7                             | Zinc                  | mg/L  | 1.00         | <0.0100           | 1.00            | 100     | 70 - 130          | X439009 - X4I0153-02 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0286       | <0.00100          | 0.0250          | 114     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Antimony              | mg/L  | 0.0278       | <0.00100          | 0.0250          | 111     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0270       | <0.00100          | 0.0250          | 105     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Arsenic               | mg/L  | 0.0282       | <0.00100          | 0.0250          | 113     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0247       | <0.00100          | 0.0250          | 98.8    | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Selenium              | mg/L  | 0.0261       | <0.00100          | 0.0250          | 105     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0275       | <0.000200         | 0.0250          | 110     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Thallium              | mg/L  | 0.0267       | <0.000200         | 0.0250          | 107     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0337       | 0.00424           | 0.0250          | 118     | 70 - 130          | X438092 - X4I0187-01 | 23-Sep-24 |       |
| EPA 200.8                             | Uranium               | mg/L  | 0.0336       | 0.00483           | 0.0250          | 115     | 70 - 130          | X438092 - X4I0221-02 | 23-Sep-24 |       |
| <b>Metals (Filtered)</b>              |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00206      | <0.000200         | 0.00200         | 103     | 70 - 130          | X437234 - X4I0176-01 | 23-Sep-24 |       |
| EPA 245.1                             | Mercury               | mg/L  | 0.00203      | <0.000200         | 0.00200         | 102     | 70 - 130          | X437234 - X4I0196-02 | 23-Sep-24 |       |
| <b>Classical Chemistry Parameters</b> |                       |       |              |                   |                 |         |                   |                      |           |       |
| ASTM D7237                            | Cyanide (free) @ pH 6 | mg/L  | 0.105        | <0.0050           | 0.100           | 105     | 79 - 121          | X437240 - X4I0202-03 | 19-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.0989       | <0.0050           | 0.100           | 98.9    | 90 - 110          | X438003 - X4I0153-01 | 17-Sep-24 |       |
| EPA 335.4                             | Cyanide (total)       | mg/L  | 0.0987       | <0.0050           | 0.100           | 98.7    | 90 - 110          | X438003 - X4I0153-02 | 17-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 0.998        | <0.030            | 1.00            | 99.8    | 90 - 110          | X438053 - X4I0168-01 | 25-Sep-24 |       |
| EPA 350.1                             | Ammonia as N          | mg/L  | 1.05         | <0.030            | 1.00            | 105     | 90 - 110          | X438053 - X4I0168-02 | 25-Sep-24 |       |
| OIA 1677                              | Cyanide (WAD)         | mg/L  | 0.100        | 0.0050            | 0.100           | 95.0    | 82 - 118          | X438183 - X4I0082-01 | 20-Sep-24 |       |
| <b>Anions by Ion Chromatography</b>   |                       |       |              |                   |                 |         |                   |                      |           |       |
| EPA 300.0                             | Chloride              | mg/L  | 3.27         | 0.22              | 3.00            | 102     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Chloride              | mg/L  | 5.75         | 2.61              | 3.00            | 105     | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 2.08         | <0.100            | 2.00            | 100     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Fluoride              | mg/L  | 1.97         | 0.119             | 2.00            | 92.5    | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 2.01         | <0.050            | 2.00            | 101     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Nitrate as N          | mg/L  | 3.31         | 1.25              | 2.00            | 103     | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 4.07         | <0.100            | 4.00            | 102     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Nitrate+Nitrite as N  | mg/L  | 5.42         | 1.25              | 4.00            | 104     | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.05         | <0.050            | 2.00            | 103     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Nitrite as N          | mg/L  | 2.11         | <0.050            | 2.00            | 105     | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 10.9         | 0.75              | 10.0            | 101     | 90 - 110          | X437174 - X4I0223-01 | 13-Sep-24 |       |
| EPA 300.0                             | Sulfate as SO4        | mg/L  | 258          | 244               | 10.0            | 0.30R>S | 90 - 110          | X437174 - X4I0230-02 | 14-Sep-24 | M4    |

SVL holds the following certifications:

AZ:0538, ID:ID00019, NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 7 of 9

**Newmont - Cripple Creek & Victor**

Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410223**

Reported: 26-Sep-24 15:46

**Quality Control - MATRIX SPIKE DUPLICATE Data**

| Method                                                                | Analyte               | Units | MSD Result | Spike Result | Spike Level | RPD | RPD Limit | % Recovery | Batch and Source ID  | Notes |
|-----------------------------------------------------------------------|-----------------------|-------|------------|--------------|-------------|-----|-----------|------------|----------------------|-------|
| <b>Metals (Total Recoverable--reportable as Total per 40 CFR 136)</b> |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Calcium               | mg/L  | 60.9       | 62.3         | 20.0        | 2.0 | 20        | 92         | X438196 - X410221-01 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | 26.1       | 27.0         | 20.0        | 3.4 | 20        | 96.7       | X438196 - X410221-01 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | 19.9       | 20.5         | 20.0        | 2.8 | 20        | 93.6       | X438196 - X410221-01 |       |
| <b>Metals (Dissolved)</b>                                             |                       |       |            |              |             |     |           |            |                      |       |
| EPA 200.7                                                             | Aluminum              | mg/L  | 1.01       | 1.01         | 1.00        | 0.5 | 20        | 101        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Barium                | mg/L  | 1.17       | 1.18         | 1.00        | 0.6 | 20        | 97.8       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Beryllium             | mg/L  | 1.02       | 1.02         | 1.00        | 0.4 | 20        | 102        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Boron                 | mg/L  | 1.01       | 1.01         | 1.00        | 0.3 | 20        | 99.0       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Cadmium               | mg/L  | 0.975      | 0.987        | 1.00        | 1.2 | 20        | 97.5       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Calcium               | mg/L  | 48.7       | 48.3         | 20.0        | 0.7 | 20        | 96.6       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Chromium              | mg/L  | 0.986      | 0.984        | 1.00        | 0.2 | 20        | 98.6       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Cobalt                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Copper                | mg/L  | 0.974      | 0.974        | 1.00        | 0.0 | 20        | 97.4       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Iron                  | mg/L  | 9.97       | 9.73         | 10.0        | 2.4 | 20        | 99.7       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Lead                  | mg/L  | 0.974      | 0.983        | 1.00        | 0.9 | 20        | 97.4       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Lithium               | mg/L  | 0.977      | 0.981        | 1.00        | 0.3 | 20        | 97.7       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Magnesium             | mg/L  | 26.7       | 26.2         | 20.0        | 1.9 | 20        | 99.8       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Manganese             | mg/L  | 0.986      | 0.987        | 1.00        | 0.1 | 20        | 98.0       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Molybdenum            | mg/L  | 0.999      | 1.01         | 1.00        | 0.6 | 20        | 99.5       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Nickel                | mg/L  | 0.953      | 0.966        | 1.00        | 1.4 | 20        | 95.3       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Potassium             | mg/L  | 20.7       | 20.1         | 20.0        | 2.9 | 20        | 98.5       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Silver                | mg/L  | 0.0530     | 0.0539       | 0.0500      | 1.6 | 20        | 106        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Sodium                | mg/L  | 49.9       | 49.6         | 19.0        | 0.6 | 20        | 96.7       | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Vanadium              | mg/L  | 1.00       | 1.00         | 1.00        | 0.4 | 20        | 100        | X439009 - X410153-01 |       |
| EPA 200.7                                                             | Zinc                  | mg/L  | 1.00       | 1.01         | 1.00        | 1.0 | 20        | 100        | X439009 - X410153-01 |       |
| EPA 200.8                                                             | Antimony              | mg/L  | 0.0289     | 0.0286       | 0.0250      | 1.3 | 20        | 116        | X438092 - X410187-01 |       |
| EPA 200.8                                                             | Arsenic               | mg/L  | 0.0278     | 0.0270       | 0.0250      | 3.0 | 20        | 108        | X438092 - X410187-01 |       |
| EPA 200.8                                                             | Selenium              | mg/L  | 0.0254     | 0.0247       | 0.0250      | 2.9 | 20        | 102        | X438092 - X410187-01 |       |
| EPA 200.8                                                             | Thallium              | mg/L  | 0.0277     | 0.0275       | 0.0250      | 0.6 | 20        | 111        | X438092 - X410187-01 |       |
| EPA 200.8                                                             | Uranium               | mg/L  | 0.0336     | 0.0337       | 0.0250      | 0.2 | 20        | 117        | X438092 - X410187-01 |       |
| <b>Metals (Filtered)</b>                                              |                       |       |            |              |             |     |           |            |                      |       |
| EPA 245.1                                                             | Mercury               | mg/L  | 0.00213    | 0.00206      | 0.00200     | 3.3 | 20        | 106        | X437234 - X410176-01 |       |
| <b>Classical Chemistry Parameters</b>                                 |                       |       |            |              |             |     |           |            |                      |       |
| ASTM D7237                                                            | Cyanide (free) @ pH 6 | mg/L  | 0.105      | 0.105        | 0.100       | 0.0 | 11        | 105        | X437240 - X410202-03 |       |
| EPA 335.4                                                             | Cyanide (total)       | mg/L  | 0.106      | 0.0989       | 0.100       | 7.2 | 20        | 106        | X438003 - X410153-01 |       |
| EPA 350.1                                                             | Ammonia as N          | mg/L  | 1.02       | 0.998        | 1.00        | 1.7 | 20        | 102        | X438053 - X410168-01 |       |
| OIA 1677                                                              | Cyanide (WAD)         | mg/L  | 0.110      | 0.100        | 0.100       | 9.5 | 11        | 105        | X438183 - X410082-01 |       |
| <b>Anions by Ion Chromatography</b>                                   |                       |       |            |              |             |     |           |            |                      |       |
| EPA 300.0                                                             | Chloride              | mg/L  | 3.32       | 3.27         | 3.00        | 1.7 | 20        | 103        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Fluoride              | mg/L  | 2.11       | 2.08         | 2.00        | 1.4 | 20        | 101        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Nitrate as N          | mg/L  | 2.07       | 2.01         | 2.00        | 2.9 | 20        | 104        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Nitrate+Nitrite as N  | mg/L  | 4.16       | 4.07         | 4.00        | 2.3 | 20        | 104        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Nitrite as N          | mg/L  | 2.09       | 2.05         | 2.00        | 1.8 | 20        | 105        | X437174 - X410223-01 |       |
| EPA 300.0                                                             | Sulfate as SO4        | mg/L  | 11.0       | 10.9         | 10.0        | 1.1 | 20        | 103        | X437174 - X410223-01 |       |



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Post Office Box 191

Victor, CO 80860

**Project Name: Cripple Creek/Victor Water and Soil 2024**Work Order: **X410223**

Reported: 26-Sep-24 15:46

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**Notes and Definitions**

|         |                                                                                                                                                                      |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H5      | This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.                |
| M4      | The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable. |
| LCS     | Laboratory Control Sample (Blank Spike)                                                                                                                              |
| RPD     | Relative Percent Difference                                                                                                                                          |
| UDL     | A result is less than the detection limit                                                                                                                            |
| 0.30R>S | % recovery not applicable; spike level is less than 30% of the sample concentration                                                                                  |
| <RL     | A result is less than the reporting limit                                                                                                                            |
| MRL     | Method Reporting Limit                                                                                                                                               |
| MDL     | Method Detection Limit                                                                                                                                               |
| N/A     | Not Applicable                                                                                                                                                       |

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# Attachment 2

## Surface Water Calculations

| GV-4.5                                           |              |                |
|--------------------------------------------------|--------------|----------------|
| Sample Date:                                     |              | 9/18/2024      |
| Data for Calculations:                           |              |                |
| pH                                               | 6.15         | std units      |
| Hardness                                         | 156          | mg/L           |
| Temperature                                      | 14.2         | Celsius        |
| Regulation 32 (5 CCR 1002-32) COARUA24 Standards |              |                |
| Physical                                         | Acute        | Chronic        |
| pH (std. units)                                  | 6.5 - 9.0    | ---            |
| Temperature (°C)                                 | < 21.7       | < 17           |
| Inorganic                                        | Acute (mg/L) | Chronic (mg/L) |
| Ammonia                                          | 35.85776     | 6.893          |
| Boron                                            | ---          | 0.750          |
| Chloride                                         | ---          | 250.000        |
| Chlorine                                         | 0.019        | 0.011          |
| Cyanide (Free)                                   | 0.005        | ---            |
| Nitrate                                          | 10           | ---            |
| Nitrite                                          | ---          | 0.050          |
| Sulfide                                          | ---          | 0.002          |
| Sulfate                                          | ---          | 250.000        |
| Phosphorus                                       | ---          | 0.110          |
| Metals                                           | Acute (mg/L) | Chronic (mg/L) |
| Arsenic                                          | 0.34000      | ---            |
| Arsenic (T)                                      | ---          | <b>0.00300</b> |
| Cadmium                                          | 0.00272      | 0.00100        |
| Cadmium (T)                                      | 0.00500      | ---            |
| Chromium (III)                                   | ---          | 0.10668        |
| Chromium (III) (T)                               | 0.05000      | ---            |
| Hexavalent Chromium                              | 0.01600      | 0.01100        |
| Copper                                           | 0.02043      | 0.01310        |
| Iron                                             | ---          | 0.30000        |
| Iron (T)                                         | ---          | 1.00000        |
| Lead                                             | 0.10443      | 0.00407        |
| Lead (T)                                         | 0.05000      | ---            |
| Manganese                                        | 3.46236      | 1.91296        |
| Mercury (T)                                      | ---          | 0.00001        |
| Molybdenum (T)                                   | ---          | 0.15000        |
| Nickel                                           | 0.68210      | 0.07576        |
| Nickel (T)                                       | ---          | 0.10000        |
| Selenium                                         | 0.01840      | 0.00460        |
| Silver                                           | 0.00436      | 0.00016        |
| Uranium                                          | 0.01680      | 0.01680        |
| Zinc                                             | 0.23975      | 0.18159        |

| GV-4.5 Results |
|----------------|
| Physical       |
| <b>6.15</b>    |
| 14.2           |
| Inorganic      |
| <0.030         |
| <0.0400        |
| 33.4           |
| --             |
| <0.0050        |
| 0.137          |
| <0.050         |
| <0.050         |
| 37.5           |
| <0.050         |
| Metals         |
| <0.00100       |
| <0.00100       |
| <0.000100      |
| <0.000100      |
| <0.00600       |
| <0.0110        |
| <0.0050        |
| <0.00040       |
| <b>2.97</b>    |
| <b>4.58</b>    |
| <0.00020       |
| <0.00020       |
| 0.574          |
| <0.00000500    |
| <0.0080        |
| <0.0100        |
| <0.0100        |
| <0.00100       |
| <0.00008       |
| 0.00058        |
| <0.0100        |

Temporary Modification for chronic arsenic concentration applied. See Regulation 5 CCR 1002-32 32.6 (2)(c)(iii)

**Bold** text indicates that an Acute and/or Chronic standard has been exceeded.

- Invalid results, past regulatory hold time

| GV-05                                            |              |                |
|--------------------------------------------------|--------------|----------------|
| Sample Date:                                     |              | 9/18/2024      |
| Data for Calculations:                           |              |                |
| pH                                               | 6.55         | std units      |
| Hardness                                         | 153          | mg/L           |
| Temperature                                      | 10.1         | Celsius        |
| Regulation 32 (5 CCR 1002-32) COARUA24 Standards |              |                |
| Physical                                         | Acute        | Chronic        |
| pH (std. units)                                  | 6.5 - 9.0    | ---            |
| Temperature (°C)                                 | < 21.7       | < 17           |
| Inorganic                                        | Acute (mg/L) | Chronic (mg/L) |
| Ammonia                                          | 31.96953     | 6.618          |
| Boron                                            | ---          | 0.750          |
| Chloride                                         | ---          | 250.000        |
| Chlorine                                         | 0.019        | 0.011          |
| Cyanide (Free)                                   | 0.005        | ---            |
| Nitrate                                          | 10           | ---            |
| Nitrite                                          | ---          | 0.050          |
| Sulfide                                          | ---          | 0.002          |
| Sulfate                                          | ---          | 250.000        |
| Phosphorus                                       | ---          | 0.110          |
| Metals                                           | Acute (mg/L) | Chronic (mg/L) |
| Arsenic                                          | 0.34000      | ---            |
| Arsenic (T)                                      | ---          | 0.00300        |
| Cadmium                                          | 0.00267      | 0.00099        |
| Cadmium (T)                                      | 0.00500      | ---            |
| Chromium (III)                                   | ---          | 0.10500        |
| Chromium (III) (T)                               | 0.05000      | ---            |
| Hexavalent Chromium                              | 0.01600      | 0.01100        |
| Copper                                           | 0.02006      | 0.01288        |
| Iron                                             | ---          | 0.30000        |
| Iron (T)                                         | ---          | 1.00000        |
| Lead                                             | 0.10228      | 0.00399        |
| Lead (T)                                         | 0.05000      | ---            |
| Manganese                                        | 3.44004      | 1.90063        |
| Mercury (T)                                      | ---          | 0.00001        |
| Molybdenum (T)                                   | ---          | 0.15000        |
| Nickel                                           | 0.67099      | 0.07453        |
| Nickel (T)                                       | ---          | 0.10000        |
| Selenium                                         | 0.01840      | 0.00460        |
| Silver                                           | 0.00422      | 0.00016        |
| Uranium                                          | 0.01680      | 0.01680        |
| Zinc                                             | 0.23555      | 0.17841        |

| GV-05 Results |
|---------------|
| Physical      |
| 6.55          |
| 10.1          |
| Inorganic     |
| <0.030        |
| <0.0400       |
| 12.8          |
| --            |
| <0.0050       |
| <0.100        |
| <0.050        |
| <0.050        |
| 61.5          |
| <0.050        |
| Metals        |
| <0.00100      |
| <0.00100      |
| <0.000100     |
| <0.000100     |
| <0.00600      |
| <0.0110       |
| <0.0050       |
| <0.00040      |
| <0.100        |
| 0.767         |
| <0.00020      |
| <0.00020      |
| 0.58          |
| 0.000000768   |
| <0.0080       |
| <0.0100       |
| <0.0100       |
| <0.00100      |
| <0.00008      |
| 0.000914      |
| <0.0100       |

Temporary Modification for chronic arsenic concentration applied. See Regulation 5 CCR 1002-32 32.6 (2)(c)(iii)

**Bold** text indicates that an Acute and/or Chronic standard has been exceeded.

- Invalid results, past regulatory hold time

| GV-06                                            |              |                |
|--------------------------------------------------|--------------|----------------|
| Sample Date:                                     |              | 9/18/2024      |
| Data for Calculations:                           |              |                |
| pH                                               | 7.93         | std units      |
| Hardness                                         | 157          | mg/L           |
| Temperature                                      | 17           | Celsius        |
| Regulation 32 (5 CCR 1002-32) COARUA24 Standards |              |                |
| Physical                                         | Acute        | Chronic        |
| pH (std. units)                                  | 6.5 - 9.0    | ---            |
| Temperature (°C)                                 | < 21.7       | < 17           |
| Inorganic                                        | Acute (mg/L) | Chronic (mg/L) |
| Ammonia                                          | 2.289        | 6.401          |
| Boron                                            | 0.750        | ---            |
| Chloride                                         | 250.000      | ---            |
| Chlorine                                         | 0.011        | 0.019          |
| Cyanide (Free)                                   | ---          | 0.005          |
| Nitrate                                          | ---          | 10.000         |
| Nitrite                                          | 0.050        | ---            |
| Sulfide                                          | 0.002        | ---            |
| Sulfate                                          | 250.000      | ---            |
| Phosphorus                                       | 0.110        | ---            |
| Metals                                           | Acute (mg/L) | Chronic (mg/L) |
| Arsenic                                          | 0.34000      | ---            |
| Arsenic (T)                                      | ---          | 0.00300        |
| Cadmium                                          | 0.00273      | 0.00101        |
| Cadmium (T)                                      | 0.00500      | ---            |
| Chromium (III)                                   | ---          | 0.10724        |
| Chromium (III) (T)                               | 0.05000      | ---            |
| Hexavalent Chromium                              | 0.01600      | 0.01100        |
| Copper                                           | 0.02056      | 0.01317        |
| Iron                                             | ---          | 0.30000        |
| Iron (T)                                         | ---          | 1.00000        |
| Lead                                             | 0.10515      | 0.00410        |
| Lead (T)                                         | 0.05000      | ---            |
| Manganese                                        | 3.46974      | 1.91704        |
| Mercury (T)                                      | ---          | 0.00001        |
| Molybdenum (T)                                   | ---          | 0.15000        |
| Nickel                                           | 0.68580      | 0.07617        |
| Nickel (T)                                       | ---          | 0.10000        |
| Selenium                                         | 0.01840      | 0.00460        |
| Silver                                           | 0.00441      | 0.00016        |
| Uranium                                          | 0.01680      | 0.01680        |
| Zinc                                             | 0.24115      | 0.18265        |

| GV-06 Results |
|---------------|
| Physical      |
| 7.93          |
| 17            |
| Inorganic     |
| <0.030        |
| <0.0400       |
| 8.37          |
| --            |
| <0.0050       |
| 0.212         |
| <0.050        |
| <0.050        |
| 78            |
| 0.054         |
| Metals        |
| <0.00100      |
| <0.00100      |
| 0.000105      |
| <0.000100     |
| <0.00600      |
| <0.0110       |
| <0.0050       |
| 0.00045       |
| 0.257         |
| 1.43          |
| <0.00020      |
| 0.00046       |
| 0.657         |
| 0.00000137    |
| <0.0080       |
| <0.0100       |
| <0.0100       |
| <0.00100      |
| <0.00008      |
| 0.00188       |
| <0.0100       |

Temporary Modification for chronic arsenic concentration applied. See Regulation 5 CCR 1002-32 32.6 (2)(c)(iii)

**Bold** text indicates that an Acute and/or Chronic standard has been exceeded.

- Invalid results, past regulatory hold time



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# Attachment 3

## Sampling Logs

**Newmont Mining Co**  
**Cripple Creek & Victor Gold Mining Co**  
**Surface Water Sampling Log**

**Location:** GV-2

**Date:** 9/18/24

**Technician:** T. Deed

**Quarter:** 3

| Time  | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP | Chlorine |
|-------|--------------|------------------|------------|-----|----------|
| 10:33 |              | DRY              |            |     |          |

**Sample Method:** N/A

**Oil/Gas visible** ~~[Y/N]~~

**Turbid** ~~[Y/N]~~

**Clear** ~~[Y/N]~~

**Weather:** 50°F, sunny

**Signature:** 

**Comments / Notes:**

|  |
|--|
|  |
|--|

**Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co  
Surface Water Sampling Log**

**Location:** GV-3

**Date:** 9/18/24

**Technician:** J. Reed

**Quarter:** 3

| Time  | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP | Chlorine |
|-------|--------------|------------------|------------|-----|----------|
| 10:37 |              | DFY              |            |     |          |

**Sample Method:** N/A

**Oil/Gas visible** ~~[Y/N]~~

**Turbid** ~~[Y/N]~~

**Clear** ~~[Y/N]~~

**Weather:** 50° F, Sunny

**Signature:** [Signature]

**Comments / Notes:**

**Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co  
Surface Water Sampling Log**

**Location:** GV-4.5

**Date:** 9/16/24

**Technician:** T. Reed

**Quarter:** 3

| Time  | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP | Chlorine |
|-------|--------------|------------------|------------|-----|----------|
| 11:15 | 6.15         | 403.6            | 14.3       | 104 | 0.014    |

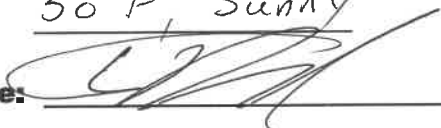
**Sample Method:** Grab

**Oil/Gas visible** ☒ Y ☐ N

**Turbid** ☒ Y ☐ N

**Clear** ☐ Y ☒ N

**Weather:** 50°F, Sunny

**Signature:** 

**Comments / Notes:**

**Newmont Mining Co**  
**Cripple Creek & Victor Gold Mining Co**  
**Surface Water Sampling Log**

**Location:** GV-5

**Date:** 9/18/24

**Technician:** T. Reed

**Quarter:** 3

| Time  | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP   | Chlorine |
|-------|--------------|------------------|------------|-------|----------|
| 11:47 | 6.55         | 385.0            | 10.1       | 223.0 | 0.108    |

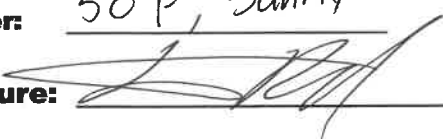
**Sample Method:** Grab

**Oil/Gas visible** ☒ Y ☐ N

**Turbid** ☒ Y ☐ N

**Clear** ☐ Y ☒ N

**Weather:** 50° F, sunny

**Signature:** 

**Comments / Notes:**

|  |
|--|
|  |
|--|

**Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co  
Surface Water Sampling Log**

**Location:** GV-6

**Date:** 9/18/24

**Technician:** T. Reed

**Quarter:** 3

| Time                      | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP | Chlorine                  |
|---------------------------|--------------|------------------|------------|-----|---------------------------|
| <del>10:47</del><br>10:51 | 6.13         | 433.4            | 11.8       | 374 | <del>0.141</del><br>0.141 |

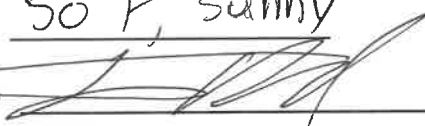
**Sample Method:** Grab

**Oil/Gas visible** [ Y / ☒ N ]

**Turbid** [ Y / ☒ N ]

**Clear** [ ☒ Y / N ]

**Weather:** 50° F, sunny

**Signature:** 

**Comments / Notes:**

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley Date: 9/12/24  
Technician: T. Reed Quarter: 3  
Static Water Level (DTW): 39.28 Well ID: 6Vmw-44  
Is well Dry? NO If so Dry at: — Well Depth (TD): 480  
feet

| Time                | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|---------------------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 9:50                |                     |               | 6.71      | 334.7         | 3.2        | 30.17   | 87.8  |          |
| 9:55                | 39.57               | 0.29          | 6.51      | 265.3         | 3.0        | 18.46   | 24.3  |          |
| 10:00               | 39.64               | 0.07          | 6.55      | 265.9         | 2.9        | 15.79   | 3.7   | 0.35 L/m |
| 10:05               | 39.69               | 0.05          | 6.54      | 265.6         | 3.2        | 15.25   | -2.5  |          |
| 10:10               | 39.69               | 0.00          | 6.51      | 267.2         | 3.1        | 15.55   | -7.9  |          |
| 10:15               | 39.71               | 0.02          | 6.49      | 269.4         | 3.1        | 14.98   | -11.0 |          |
| 10:20               |                     |               |           |               |            |         |       |          |
| total Drawdown 0.44 |                     |               |           |               |            |         |       |          |
|                     |                     |               |           |               |            |         |       |          |
|                     |                     |               |           |               |            |         |       |          |
|                     |                     |               |           |               |            |         |       |          |
|                     |                     |               |           |               |            |         |       |          |
|                     |                     |               |           |               |            |         |       |          |
|                     |                     |               |           |               |            |         |       |          |
|                     |                     |               |           |               |            |         |       |          |
|                     |                     |               |           |               |            |         |       |          |

Sample Method: Low Flow Rate (gpm): 0.09 Time Start: 9:50 Time End: 10:15  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 6.49                   | ±0.1 | Y / N    |
| Conductivity        | 269.4                  | 3%   | Y / N    |
| Temp (deg C)        | 3.1                    | 3%   | Y / N    |
| Dissolved Oxygen    | 14.98                  | 10%  | Y / N    |
| Turbidity           |                        | 10%  | Y / N    |
| Oxidation/Reduction | -11.0                  | ±10  | Y / N    |
| DTW Stabilized      | 39.71                  | feet | Y / N    |
| Final H2O level     | 39.71                  | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? (Y) N If yes, required pump vol (gal): 2.59 Actual vol. pumped (gal): ~3 gal  
\* See Field Volume Guide following stabilization

O/G visible: Y / N Turbid? Y / N  
Equipment Decontaminated: Y / N  
Decontamination procedure used: Triple Rinse liquid Knox

Weather: 56° Sunny  
Signature: [Signature]

|                                                                                                                                                                                                                                                                                                                                                                                 |                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>Volume Calculations:</b><br>For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$ For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$<br>Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$<br>Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$<br>Well Volume Purge Method: $Three\ Well\ Volumes = 3 * V$ |                                                                            |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                                                                                                                                                                                                                                                                                                                 | <b>Show Calculations:</b><br>$0.3 * 2.29 = 2.59$<br><u>use 5gal bucket</u> |

|                                                                                             |                                                                                                   |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Volume Calculations:</b>                                                                 |                                                                                                   |
| <b>For 2" Diameter Well (gal):</b> $V(gal) = 0.1632 * h(ft)$                                | <b>For 4" Diameter Well (gal):</b> $V(gal) = 0.6528 * h(ft)$                                      |
| <b>Other Diameter Well &amp; Tubing Vol (gal):</b> $V(gal) = 0.1632 * (r(in))^2 * h(ft)$    |                                                                                                   |
| <b>Water Column Calculation:</b> $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                                                                   |
| <b>Well Volume Purge Method:</b> $Three\ Well\ Volumes = 3*V$                               |                                                                                                   |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                             | <b>Show Calculations:</b><br><br><br><div style="text-align: right;"><i>Use 5gal Bucket</i></div> |

|                                                                                             |                                                                                                                  |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Volume Calculations:</b>                                                                 |                                                                                                                  |
| <b>For 2" Diameter Well (gal):</b> $V(gal) = 0.1632 * h(ft)$                                | <b>For 4" Diameter Well (gal):</b> $V(gal) = 0.6528 * h(ft)$                                                     |
| <b>Other Diameter Well &amp; Tubing Vol (gal):</b> $V(gal) = 0.1632 * (r(in))^2 * h(ft)$    |                                                                                                                  |
| <b>Water Column Calculation:</b> $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                                                                                  |
| <b>Well Volume Purge Method:</b> $Three\ Well\ Volumes = 3 * V$                             |                                                                                                                  |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                             | <b>Show Calculations:</b><br> |



|                                                                                             |                                                                                                                                                          |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Volume Calculations:</b>                                                                 |                                                                                                                                                          |
| <b>For 2" Diameter Well (gal):</b>                                                          | $V(gal) = 0.1632 * h(ft)$                                                                                                                                |
| <b>For 4" Diameter Well (gal):</b>                                                          | $V(gal) = 0.6528 * h(ft)$                                                                                                                                |
| <b>Other Diameter Well &amp; Tubing Vol (gal):</b>                                          | $V(gal) = 0.1632 * (r(in))^2 * h(ft)$                                                                                                                    |
| <b>Water Column Calculation:</b> $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                                                                                                                          |
| <b>Well Volume Purge Method:</b> $Three\ Well\ Volumes = 3 * V$                             |                                                                                                                                                          |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                             | <b>Show Calculations:</b><br><div style="font-size: 2em; margin-top: 20px;">0.6 + 0.29 = 0.89</div> <div style="margin-top: 20px;">Use 5gal Bucket</div> |

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grossy Valley Date: 9/4/24  
Technician: T. Reed Quarter: 3  
Static Water Level (DTW): 219.10 Well ID: GUMW-10  
Is well Dry? NO If so Dry at: — Well Depth (TD): 270 feet

| Time                | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes   |
|---------------------|---------------------|---------------|-----------|---------------|------------|---------|-------|---------|
| 11:35               | 219.10              |               | 6.47      | 3625          | 7.8        | 24.33   | 166.0 |         |
| 11:40               | 219.15              | 0.05          | 6.64      | 2907          | 9.7        | 59.34   | 163.0 |         |
| 11:45               | 219.20              | 0.05          | 6.63      | 2800          | 8.8        | 22.87   | 143.0 | 0.3 L/m |
| 11:50               | 219.20              | 0.00          | 6.70      | 2772          | 4.7        | 20.90   | 144.2 |         |
| 11:55               | 219.25              | 0.05          | 6.76      | 2773          | 4.2        | 19.65   | 144.6 |         |
| 12:05               | 219.25              | 0.00          | 6.89      | 2755          | 4.3        | 18.90   | 143.3 |         |
| 12:10               | 219.25              | 0.00          | 6.91      | 2725          | 4.3        | 18.26   | 140.4 |         |
| 12:15               | 219.25              | 0.00          | 6.93      | 2710          | 4.2        | 16.98   | 134.6 |         |
| 12:20               |                     |               |           |               |            |         |       |         |
| Total Drawdown 0.15 |                     |               |           |               |            |         |       |         |

Sample Method: Low Flow Rate (gpm): 0.09 Time Start: 11:35 Time End: 12:15  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 6.93                   | ±0.1 | Y / N    |
| Conductivity        | 2710                   | 3%   | Y / N    |
| Temp (deg C)        | 4.2                    | 3%   | Y / N    |
| Dissolved Oxygen    | 16.98                  | 10%  | Y / N    |
| Turbidity           |                        | 10%  | Y / N    |
| Oxidation/Reduction | 134.6                  | ±10  | Y / N    |
| DTW Stabilized      | 219.25                 | feet | Y / N    |
| Final H2O level     | 219.25                 | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): — Actual vol. pumped (gal): 3.5  
\* See Field Volume Guide following stabilization

O/G visible: Y / N Turbid? Y / N  
Equipment Decontaminated: Y / N  
Decontamination procedure used: Triple Rinse liquid Knox

Weather: 67° Sunny  
Signature: [Signature]

**Volume Calculations:**

For 2" Diameter Well (gal):  $V(gal) = 0.1632 \cdot h(ft)$  For 4" Diameter Well (gal):  $V(gal) = 0.6528 \cdot h(ft)$

Other Diameter Well & Tubing Vol (gal):  $V(gal) = 0.1632 \cdot (r(in))^2 \cdot h(ft)$

Water Column Calculation:  $h(ft) = \text{Total Depth}(TD)(ft) - \text{Depth to Water}(DTW)(ft)$

Well Volume Purge Method:  $\text{Three Well Volumes} = 3 \cdot V$

**Conversions:**  
1 ft<sup>3</sup> = 7.48 gal  
1 gal = 3.785 L

**Show Calculations:**  
use 5gal Bucket

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley Date: 9/12/24  
Technician: \_\_\_\_\_ Quarter: 3  
Static Water Level (DTW): 91.66 Well ID: GUMW-15A  
Is well Dry? NO If so Dry at: \_\_\_\_\_ Well Depth (TD): 820 feet

| Time     | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|----------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 10:55    |                     |               | 6.43      | 550.8         | 5.1        | 39.73   | -3.6  |          |
| 11:00    | 92.16               | 0.50          | 6.50      | 465.5         | 4.4        | 31.33   | -16.4 |          |
| 11:05    | 92.33               | 0.17          | 6.51      | 445.0         | 4.0        | 23.11   | -22.4 |          |
| 11:10    | 92.42               | 0.09          | 6.51      | 455.5         | 4.36       | 19.72   | -24.8 | 0.36 L/m |
| 11:15    | 92.45               | 0.08          | 6.50      | 457.3         | 4.0        | 19.72   | -23.6 |          |
| 11:20    | 92.52               | 0.07          | 6.49      | 447.1         | 4.39       | 19.30   | -24.6 |          |
| 11:25    | 92.70               | 0.18          | 6.49      | 445.5         | 4.0        | 18.02   | -27.2 |          |
| 11:30    |                     |               |           |               |            |         |       |          |
| total    |                     |               |           |               |            |         |       |          |
| Drawdown |                     |               |           |               |            |         |       |          |
| 1.04     |                     |               |           |               |            |         |       |          |

Sample Method: Low Flow Rate (gpm): 0.9 Time Start: 10:55 Time End: 11:25  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met?  | Comments |
|---------------------|------------------------|-------|----------|
| pH                  | 6.49                   | Y / N |          |
| Conductivity        | 445.5                  | Y / N |          |
| Temp (deg C)        | 4.0                    | Y / N |          |
| Dissolved Oxygen    | 18.02                  | Y / N |          |
| Turbidity           |                        | Y / N |          |
| Oxidation/Reduction | -27.2                  | Y / N |          |
| DTW Stabilized      | 92.70                  | Y / N |          |
| Final H2O level     | 92.70                  |       |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): 3.09 Actual vol. pumped (gal): 4.5 gal  
\* See Field Volume Guide following stabilization

O/G visible: Y / N Turbid? Y / N  
Equipment Decontaminated: Y / N  
Decontamination procedure used: Triple Rinse liquid Knox

Weather: 56° Sunny  
Signature: \_\_\_\_\_

|                                                                                                                                                                                                                                                                                                                                                                                 |                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Volume Calculations:</b><br>For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$ For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$<br>Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$<br>Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$<br>Well Volume Purge Method: $Three\ Well\ Volumes = 3 * V$ |                                                                     |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                                                                                                                                                                                                                                                                                                                 | <b>Show Calculations:</b><br>$0.8 + 2.29 = 3.09$<br>use 5gal Bucket |

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley Date: 9/16/24  
Technician: T. Reed Quarter: 3  
Static Water Level (DTW): 80.50 Well ID: GVMW-15B  
Is well Dry? NO If so Dry at: — Well Depth (TD): 102 feet

| Time     | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP  | Notes    |
|----------|---------------------|---------------|-----------|---------------|------------|---------|------|----------|
| 9:57     | <del>80.76</del>    |               | 4.68      | 4112          | 5.7        | 35.99   | 87.5 |          |
| 10:02    | 80.70               | 0.2           | 4.86      | 988           | 4.2        | 47.07   | 71.1 |          |
| 10:07    | 80.76               | 0.06          | 4.70      | 905           | 4.8        | 26.69   | 65.7 | 0.28 1/m |
| 10:12    | 80.76               | 0.00          | 4.74      | 910           | 4.9        | 24.43   | 66.3 |          |
| 10:17    | 80.76               | 0.00          | 4.71      | 901           | 4.8        | 24.58   | 67.0 |          |
| 10:22    | 80.76               | 0.00          | 4.72      | 899           | 4.9        | 23.84   | 65.8 |          |
| 10:27    |                     |               |           |               |            |         |      |          |
| total    |                     |               |           |               |            |         |      |          |
| Drawdown |                     |               |           |               |            |         |      |          |
| 0.26     |                     |               |           |               |            |         |      |          |

Sample Method: low flow Rate (gpm): 0.07 Time Start: 9:57 Time End: 10:22  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 4.72                   | ±0.1 | Y / N    |
| Conductivity        | 899                    | 3%   | Y / N    |
| Temp (deg C)        | 4.9                    | 3%   | Y / N    |
| Dissolved Oxygen    | 23.89                  | 10%  | Y / N    |
| Turbidity           |                        | 10%  | Y / N    |
| Oxidation/Reduction | 65.8                   | ±10  | Y / N    |
| DTW Stabilized      | 80.76                  | feet | Y / N    |
| Final H2O level     | 80.76                  | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): — Actual vol. pumped (gal): 22.5  
\* See Field Volume Guide following stabilization

O/G visible: Y / N Turbid? Y / N  
Equipment Decontaminated: Y / N  
Decontamination procedure used: triple rinse liquid knox.

Weather: 57°F, Sunny

Signature: [Signature]

|                                                                                                 |                                                           |
|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Volume Calculations:                                                                            |                                                           |
| For 2" Diameter Well (gal): $V(gal) = 0.1632 \cdot h(ft)$                                       | For 4" Diameter Well (gal): $V(gal) = 0.6528 \cdot h(ft)$ |
| Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 \cdot (r(in))^2 \cdot h(ft)$           |                                                           |
| Water Column Calculation: $h(ft) = \text{Total Depth}(TD)(ft) - \text{Depth to Water}(DTW)(ft)$ |                                                           |
| Well Volume Purge Method: $\text{Three Well Volumes} = 3 \cdot V$                               |                                                           |
| Conversions:<br>$1ft^3 = 7.48 gal$<br>$1gal = 3.785 L$                                          | Show Calculations:<br><br><u>use 5 gal bucket</u>         |

Well is Dry

|                                                                                             |                                                                             |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Volume Calculations:</b>                                                                 |                                                                             |
| <b>For 2" Diameter Well (gal):</b> $V(gal) = 0.1632 * h(ft)$                                | <b>For 4" Diameter Well (gal):</b> $V(gal) = 0.6528 * h(ft)$                |
| <b>Other Diameter Well &amp; Tubing Vol (gal):</b> $V(gal) = 0.1632 * (r(in))^2 * h(ft)$    |                                                                             |
| <b>Water Column Calculation:</b> $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                                             |
| <b>Well Volume Purge Method:</b> $Three\ Well\ Volumes = 3 * V$                             |                                                                             |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                             | <b>Show Calculations:</b><br>$0.7 * 0.40 = 1.10$<br><i>use 5 gal Bucket</i> |

|                                                                                             |                                                                           |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Volume Calculations:</b>                                                                 |                                                                           |
| <b>For 2" Diameter Well (gal):</b> $V(gal) = 0.1632 * h(ft)$                                | <b>For 4" Diameter Well (gal):</b> $V(gal) = 0.6528 * h(ft)$              |
| <b>Other Diameter Well &amp; Tubing Vol (gal):</b> $V(gal) = 0.1632 * (r(in))^2 * h(ft)$    |                                                                           |
| <b>Water Column Calculation:</b> $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                                           |
| <b>Well Volume Purge Method:</b> $Three\ Well\ Volumes = 3 * V$                             |                                                                           |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                             | <b>Show Calculations:</b><br>$0.20 + 0.40 = 0.60\ gal$<br>use 5gal Bucket |

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley Date: 9/23/24  
Technician: J. Cranford Quarter: 3  
Static Water Level (DTW): 92.06 Well ID: GVMW-24B  
Is well Dry? NO If so Dry at: — Well Depth (TD): 100 feet

| Time           | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|----------------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 1:47           |                     |               | 6.43      | 2891          | 7.3        | 113.81  | 149.8 |          |
| 1:52           | 92.33               | 0.27          | 6.54      | 2396          | 6.9        | 105.18  | 162.0 |          |
| 1:57           | 92.33               | 0.00          | 6.65      | 2376          | 7.2        | 97.12   | 151.0 | 0.16 L/m |
| 2:02           | 92.32               | 0.01          | 6.63      | 2364          | 7.5        | 84.40   | 148.6 |          |
| 2:07           | 92.32               | 0.00          | 6.58      | 2364          | 8.3        | 76.05   | 148.7 |          |
| 2:12           | 92.32               | 0.00          | 6.55      | 2357          | 8.5        | 70.57   | 148.3 |          |
| 2:17           | 92.32               | 0.00          | 6.54      | 2361          | 8.7        | 69.80   | 147.4 |          |
| Total drawdown |                     |               |           |               |            |         |       |          |
| 0.28           |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |

Sample Method: Low-Flow Rate (gpm): 0.04 Time Start: 1:47 Time End: 2:17  
\* Flow rate at stabilization (during sample collection)

| Final Parameter               | Stabilization Guidance | Met? | Comments |
|-------------------------------|------------------------|------|----------|
| pH                            | 6.54                   | ±0.1 | (Y) / N  |
| Conductivity                  | 2361                   | 3%   | (Y) / N  |
| Temp (deg C)                  | 8.7                    | 3%   | Y / (N)  |
| Dissolved Oxygen              | 69.80                  | 10%  | (Y) / N  |
| Turbidity                     |                        | 10%  | Y / N    |
| Oxidation/Reduction Potential | 147.4                  | ±10  | (Y) / N  |
| DTW Stabilized                | 0.0                    | feet | (Y) / N  |
| Final H2O level               | 92.32                  | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) ~2  
\* See Field Volume Guide following stabilization

O/G visible: Y / (N) Turbid? Y / (N)  
Equipment Decontaminated: (Y) / (N) Triple rinse, Liquid-Knox  
Decontamination procedure used: —

Weather: 60° F, Sunny  
Signature: [Signature]

|                                                                                      |                                                       |
|--------------------------------------------------------------------------------------|-------------------------------------------------------|
| Volume Calculations:                                                                 |                                                       |
| For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$                                | For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$ |
| Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$        |                                                       |
| Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                       |
| Well Volume Purge Method: Three Well Volumes = 3*V                                   |                                                       |
| Conversions:<br>1ft <sup>3</sup> = 7.48 gal<br>1gal = 3.785 L                        | Show Calculations:<br><br>use 5 gal bucket            |

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley Date: 4/16/24  
Technician: T. Reed Quarter: 3  
Static Water Level (DTW): 45.44 Well ID: GVMW-25  
Is well Dry? \_\_\_\_\_ Well Depth (TD): 79  
If so Dry at: \_\_\_\_\_ feet

| Time                | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP    | Notes    |
|---------------------|---------------------|---------------|-----------|---------------|------------|---------|--------|----------|
| 12:03               |                     |               | 3.74      | 13077         | 4.3        | 502.58  | 449.60 |          |
| 12:08               | 45.66               | 0.11          | 3.75      | 13028         | 4.4        | 285.92  | 446.60 |          |
| 12:13               | 45.60               | 0.00          | 3.73      | 13002         | 4.5        | 248.35  | 483.4  | 0.24 l/m |
| 12:18               | 45.60               | 0.00          | 3.74      | 12471         | 4.5        | 234.04  | 487.4  |          |
| 12:23               | 45.60               | 0.00          | 3.70      | 12966         | 4.6        | 221.43  | 491.4  |          |
| 12:28               | 45.70               | 0.10          | 3.74      | 12892         | 4.5        | 246.97  | 501.1  |          |
| 12:33               | 45.70               | 0.00          | 3.74      | 12849         | 4.5        | 242.14  | 502.7  |          |
| 12:38               | 45.70               | 0.00          | 3.73      | 12789         | 4.5        | 238.69  | 505.4  |          |
| Total Drawdown 0.21 |                     |               |           |               |            |         |        |          |

Sample Method: Low Flow Rate (gpm): 0.06 Time Start: 12:03 Time End: 12:38  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 3.73                   | ±0.1 | Y / N    |
| Conductivity        | 12789                  | 3%   | Y / N    |
| Temp (deg C)        | 4.5                    | 3%   | Y / N    |
| Dissolved Oxygen    | 238.69                 | 10%  | Y / N    |
| Turbidity           |                        | 10%  | Y / N    |
| Oxidation/Reduction | 505.4                  | ±10  | Y / N    |
| DTW Stabilized      | 45.70                  | feet | Y / N    |
| Final H2O level     | 45.70                  | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): 3.75 Actual vol. pumped (gal) \_\_\_\_\_  
\* See Field Volume Guide following stabilization

O/G visible: Y / N Turbid? Y / N - slightly  
Equipment Decontaminated: Y / N  
Decontamination procedure used: triple rinse, liquid Ichox

Weather: 56°F, Sunny  
Signature: \_\_\_\_\_

|                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>Volume Calculations:</b><br>For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$ For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$<br>Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$<br>Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$<br>Well Volume Purge Method: $Three\ Well\ Volumes = 3 * V$ |                                                    |
| Conversions:<br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                                                                                                                                                                                                                                                                                                                        | Show Calculations:<br><br><u>use 5 gal bucket.</u> |

**Newmont Mining Co**  
**Cripple Creek & Victor Gold Mining Co**

**Groundwater Sampling Log**

Location: Grassy Valley Date: 9/9/24  
Technician: T. Reed Quarter: 3  
Static Water Level (DTW): 6.55 Well ID: GUMW-26A  
Is well Dry? No If so Dry at: - Well Depth (TD): 70 feet

| Time                | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes  |
|---------------------|---------------------|---------------|-----------|---------------|------------|---------|-------|--------|
| 11:00               | 6.55                |               | 7.67      | 782           | 6.0        | 18.49   | -1.0  |        |
| 11:10               | 6.55                | 0.00          | 7.78      | 657.8         | 7.9        | 15.96   | -10.0 |        |
| 11:21               | 6.80                | 0.25          | 7.87      | 597.2         | 3.3        | 7.19    | -17.3 | 0.3 CM |
| 11:26               | 7.00                | 0.20          | 7.87      | 602.1         | 3.3        | 6.40    | -26.3 |        |
| 11:31               | 7.12                | 0.12          | 7.87      | 596.9         | 3.2        | 3.56    | -33.3 |        |
| 11:36               | 7.18                | 0.06          | 7.87      | 596.4         | 3.3        | 3.38    | -36.9 |        |
| 11:41               | 7.22                | 0.04          | 7.87      | 598.0         | 3.3        | 3.48    | -40.7 |        |
| Total Drawdown 0.67 |                     |               |           |               |            |         |       |        |

Sample Method: Low Flow Rate (gpm): 0.09 Time Start: 11:11 Time End: 11:41  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 7.87                   | ±0.1 | Y / N    |
| Conductivity        | 598.0                  | 3%   | Y / N    |
| Temp (deg C)        | 3.3                    | 3%   | Y / N    |
| Dissolved Oxygen    | 3.48                   | 10%  | Y / N    |
| Turbidity           |                        | 10%  | Y / N    |
| Oxidation/Reduction | -40.7                  | ±10  | Y / N    |
| DTW Stabilized      | 7.22                   | feet | Y / N    |
| Final H2O level     | 7.22                   | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): 0.91 Actual vol. pumped (gal): 5 gal  
\* See Field Volume Guide following stabilization

O/G visible: Y / N Turbid? Y / N  
Equipment Decontaminated: Y / N  
Decontamination procedure used: Triple Rinse liquid Knox

Weather: 66° Sunny  
Signature: [Signature]

|                                                                                                 |                                                                  |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <b>Volume Calculations:</b>                                                                     |                                                                  |
| For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$                                           | For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$            |
| Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$                   |                                                                  |
| Water Column Calculation: $h(ft) = \text{Total Depth}(TD)(ft) - \text{Depth to Water}(DTW)(ft)$ |                                                                  |
| Well Volume Purge Method: Three Well Volumes = 3*V                                              |                                                                  |
| Conversions:<br>1ft <sup>3</sup> = 7.48 gal<br>1gal = 3.785 L                                   | Show Calculations:<br>$0.5 + 0.41 = 0.91$<br><br>Use 5gal Bucket |



Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley

Date: 9/24/24

Technician: S. Cranford

Quarter: 3

Static Water Level (DTW): 54.57

Well ID: GVMW-27

Is well Dry? No

If so Dry at: —

Well Depth (TD): 71  
feet

| Time           | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|----------------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 11:01          |                     |               | 4.08      | 7378          | 4.7        | 270.11  | 174.6 |          |
| 11:06          | 54.64               | 0.07          | 4.08      | 6783          | 4.3        | 202.73  | 100.0 |          |
| 11:11          | 54.64               | 0.06          | 4.08      | 6572          | 4.5        | 177.38  | 81.6  | 0.14 u/m |
| 11:16          | 54.64               | 0.00          | 4.12      | 6509          | 4.6        | 170.21  | 78.4  |          |
| 11:21          | 54.63               | 0.01          | 4.13      | 6390          | 5.0        | 154.29  | 76.2  |          |
| 11:26          | 54.62               | 0.01          | 4.10      | 6319          | 5.1        | 158.00  | 75.1  |          |
| 11:31          | 54.62               | 0.00          | 4.13      | 6271          | 5.1        | 156.15  | 70.0  |          |
| Total Drawdown |                     |               |           |               |            |         |       |          |
| 0.09           |                     |               |           |               |            |         |       |          |

Sample Method: Low-flow Rate (gpm): 0.03 Time Start: 11:01 Time End: 11:31  
\* Flow rate at stabilization (during sample collection)

| Final Parameters    | Stabilization Guidance | Met?  | Comments |
|---------------------|------------------------|-------|----------|
| pH                  | 4.13                   | Y / N |          |
| Conductivity        | 6271                   | Y / N |          |
| Temp (deg C)        | 5.1                    | Y / N |          |
| Dissolved Oxygen    | 156.15                 | Y / N |          |
| Turbidity           |                        | Y / N |          |
| Oxidation/Reduction | 70.0                   | Y / N |          |
| DTW Stabilized      | 0.0                    | Y / N |          |
| Final H2O level     | 54.62                  |       |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): — Actual vol. pumped (gal): ~1.5  
\* See Field Volume Guide following stabilization

O/G visible: Y / N Turbid? Y / N  
Equipment Decontaminated: Y / N  
Decontamination procedure used: Triple rinse, Liquid Icnox

Weather: 56° F, Sunny  
Signature: [Signature]

|                                                                                                 |                                                       |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Volume Calculations:                                                                            |                                                       |
| For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$                                           | For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$ |
| Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$                   |                                                       |
| Water Column Calculation: $h(ft) = \text{Total Depth}(TD)(ft) - \text{Depth to Water}(DTW)(ft)$ |                                                       |
| Well Volume Purge Method: $\text{Three Well Volumes} = 3 * V$                                   |                                                       |
| Conversions:<br>1ft <sup>3</sup> = 7.48 gal<br>1gal = 3.785 L                                   | Show Calculations:                                    |

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley Date: 9/26/24  
 Technician: J. Cranford Quarter: 3  
 Static Water Level (DTW): 32.69 Well ID: GVMW-28  
 Is well Dry? NO If so Dry at: — Well Depth (TD): 71.56 feet

| Time           | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|----------------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 10:55          |                     |               | 2.78      | 10636         | 6.2        | 439.19  | 541.9 |          |
| 11:00          | 33.16               | 0.47          | 2.82      | 10585         | 6.5        | 371.72  | 541.1 |          |
| 11:05          | 33.14               | 0.02          | 2.83      | 10767         | 5.3        | 455.25  | 545.3 | 0.31 1/m |
| 11:10          | 33.72               | 0.58          | 2.81      | 10676         | 4.9        | 359.35  | 545.4 |          |
| 11:15          | 33.79               | 0.05          | 2.80      | 10670         | 4.9        | 339.17  | 547.1 |          |
| 11:20          | 33.79               | 0.00          | 2.82      | 10595         | 4.9        | 344.6   | 545.5 |          |
| Total drawdown |                     |               |           |               |            |         |       |          |
| 1.12           |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |
|                |                     |               |           |               |            |         |       |          |

Sample Method: Low-Flow Rate (gpm): 0.08 Time Start: 10:55 Time End: 11:20  
 \* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met?  | Comments |
|---------------------|------------------------|-------|----------|
| pH                  | 2.82                   | Y / N |          |
| Conductivity        | 10595                  | Y / N |          |
| Temp (deg C)        | 4.9                    | Y / N |          |
| Dissolved Oxygen    | 344.6                  | Y / N |          |
| Turbidity           | 18%                    | Y / N |          |
| Oxidation/Reduction | 545.5                  | Y / N |          |
| DTW Stabilized      | 0.0                    | Y / N |          |
| Final H2O level     | 33.79                  |       |          |

If Low Flow Met Drawdown greater than 0.33 ft? (Y) N If yes, required pump vol (gal): 1.11 Actual vol. pumped (gal) ~ 2.25  
 \* See Field Volume Guide following stabilization

O/G visible: (Y) / (N) Turbid? (Y) / N - Slightly  
 Equipment Decontaminated: (Y) / (N)  
 Decontamination procedure used: Triple rinse, Liquid-Knox

Weather: 63° F, Sunny  
 Signature: [Signature]

**Volume Calculations:**

For 2" Diameter Well (gal):  $V(gal) = 0.1632 \cdot h(ft)$  For 4" Diameter Well (gal):  $V(gal) = 0.6528 \cdot h(ft)$

Other Diameter Well & Tubing Vol (gal):  $V(gal) = 0.1632 \cdot (r(in))^2 \cdot h(ft)$

Water Column Calculation:  $h(ft) = \text{Total Depth}(TD)(ft) - \text{Depth to Water}(DTW)(ft)$

Well Volume Purge Method: Three Well Volumes =  $3 \cdot V$

**Conversions:**  
 $1ft^3 = 7.48 gal$   
 $1gal = 3.785 L$

**Show Calculations:**  
 $0.7 + 0.41 = 1.11$   
 use 5 gal bucket

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley

Date: 9/26/24

Technician: S. Cranford

Quarter: 3

Static Water Level (DTW): 40.65

Well ID: GVNW-30

Is well Dry? No

If so Dry at:                     

Well Depth (TD): 51.29  
feet

| Time           | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|----------------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 12:56          |                     |               | 3.35      | 5992          | 5.5        | 146.13  | 440.6 |          |
| 1:01           | 41.34               | 0.69          | 3.33      | 5515          | 4.1        | 183.85  | 475.1 |          |
| 1:06           | 41.65               | 0.31          | 3.31      | 5345          | 4.0        | 174.21  | 493.3 | 0.34 L/m |
| 1:11           | 41.93               | 0.28          | 3.20      | 5223          | 4.1        | 188.31  | 508.1 |          |
| 1:16           | 42.23               | 0.30          | 3.13      | 5155          | 4.0        | 192.13  | 518.0 |          |
| 1:21           | 42.52               | 0.29          | 3.11      | 5104          | 4.2        | 161.40  | 517.9 |          |
| 1:26           | 42.71               | 0.29          | 3.09      | 5085          | 4.3        | 164.40  | 529.0 |          |
| 1:31           | 42.83               | 0.12          | 3.08      | 5052          | 4.3        | 151.22  | 527.8 |          |
| Total Drawdown |                     |               |           |               |            |         |       |          |
|                | 2.18                |               |           |               |            |         |       |          |

Sample Method: Low-Flow Rate (gpm): 0.09 0.09 Time Start: 12:56 Time End: 1:31  
\* Flow rate at stabilization (during sample collection)

| Final Parameters    | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 3.08                   | ±0.1 | Y / N    |
| Conductivity        | 5032                   | 3%   | Y / N    |
| Temp (deg C)        | 4.3                    | 3%   | Y / N    |
| Dissolved Oxygen    | 151.22                 | 10%  | Y / N    |
| Turbidity           |                        | 10%  | Y / N    |
| Oxidation/Reduction | 527.8                  | ±10  | Y / N    |
| DTW Stabilized      | 0.12                   | feet | Y / N    |
| Final H2O level     | 42.83                  | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): 7.69 Actual vol. pumped (gal) ~ 3.75  
\* See Field Volume Guide following stabilization

O/G visible: Y / N Turbid? Y / N  
Equipment Decontaminated: Y / N  
Decontamination procedure used: Triple rinse, Liquid-Ichor

Weather: 66° F, Sunny  
Signature: [Signature]

|                                                                                      |                                                                            |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Volume Calculations:                                                                 |                                                                            |
| For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$                                | For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$                      |
| Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$        |                                                                            |
| Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                                            |
| Well Volume Purge Method: Three Well Volumes = 3*V                                   |                                                                            |
| Conversions:<br>1ft³ = 7.48 gal<br>1gal = 3.785 L                                    | Show Calculations:<br><u>1.4 to 0.29 = 1.69</u><br><u>use 5 gal bucket</u> |

**Newmont Mining Co**  
**Cripple Creek & Victor Gold Mining Co**

**Groundwater Sampling Log**

Location: Grassy Valley

Date: 9/26/24

Technician: S. Crawford

Quarter: 3

Static Water Level (DTW): 61.16

Well ID: 85.70 GVMW-33

Is well Dry? NO

If so Dry at: —

Well Depth (TD): 85.70  
feet

| Time            | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|-----------------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 11:52           |                     |               | 3.36      | 8436          | 4.6        | 255.54  | 273.0 |          |
| 11:57           | 62.50               | 1.34          | 3.37      | 8089          | 4.2        | 234.85  | 318.1 |          |
| 12:02           | 62.94               | 0.44          | 3.37      | 7972          | 4.0        | 232.11  | 334.4 | • 26 °/m |
| 12:07           | 63.60               | 0.66          | 3.38      | 7908          | 4.6        | 214.41  | 353.1 |          |
| 12:12           | 64.17               | 0.57          | 3.37      | 7924          | 4.6        | 205.94  | 362.3 |          |
| 12:17           | 64.58               | 0.41          | 2.37      | 7914          | 4.6        | 197.21  | 362.1 |          |
| Total draw down |                     |               |           |               |            |         |       |          |
| 3.42            |                     |               |           |               |            |         |       |          |
|                 |                     |               |           |               |            |         |       |          |
|                 |                     |               |           |               |            |         |       |          |
|                 |                     |               |           |               |            |         |       |          |
|                 |                     |               |           |               |            |         |       |          |
|                 |                     |               |           |               |            |         |       |          |
|                 |                     |               |           |               |            |         |       |          |
|                 |                     |               |           |               |            |         |       |          |
|                 |                     |               |           |               |            |         |       |          |

Sample Method: Low-Flow Rate (gpm): 0.07 Time Start: 11:52 Time End: 12:17  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met?  | Comments |
|---------------------|------------------------|-------|----------|
| pH                  | 3.37                   | Y / N |          |
| Conductivity        | 7914                   | Y / N |          |
| Temp (deg C)        | 4.6                    | Y / N |          |
| Dissolved Oxygen    | 197.21                 | Y / N |          |
| Turbidity           |                        | Y / N |          |
| Oxidation/Reduction | 362.1                  | Y / N |          |
| DTW Stabilized      | 0.41                   | Y / N |          |
| Final H2O level     | 64.58                  |       |          |

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N If yes, required pump vol (gal): 2.75 Actual vol. pumped (gal): ~ 2.75  
\* See Field Volume Guide  
following stabilization

O/G visible: (Y) / (N) Turbid? (Y) / N very slightly  
Equipment Decontaminated: (Y) / (N)  
Decontamination procedure used: Tripple rinse - Liquid-knox

Weather: 69°F, Sunny  
Signature: RWC

|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Volume Calculations:</b><br>For 2" Diameter Well (gal): $V(gal) = 0.1632 \cdot h(ft)$ For 4" Diameter Well (gal): $V(gal) = 0.6528 \cdot h(ft)$<br>Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 \cdot (r(in))^2 \cdot h(ft)$<br>Water Column Calculation: $h(ft) = \text{Total Depth}(TD)(ft) - \text{Depth to Water}(DTW)(ft)$<br>Well Volume Purge Method: $\text{Three Well Volumes} = 3 \cdot V$ |                                                                      |
| <b>Conversions:</b><br>$1ft^3 = 7.48 gal$<br>$1gal = 3.785 L$                                                                                                                                                                                                                                                                                                                                                       | <b>Show Calculations:</b><br>$2.3 + 0.45 = 2.75$<br>use 5 gal bucket |

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley  
Technician: S. Cranford  
Static Water Level (DTW): 59.11

Date: 9/25/24  
Quarter: 3  
Well ID: GUMW-34  
Well Depth (TD): 85 81.45 feet

Is well Dry? NO

If so Dry at: —

| Time           | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes      |
|----------------|---------------------|---------------|-----------|---------------|------------|---------|-------|------------|
| 11:21          |                     |               | 5.90      | 4025          | 4.6        | 83.95   | 261.0 |            |
| 11:26          | 59.58               | 0.47          | 5.90      | 3465          | 4.4        | 58.28   | 235.2 |            |
| 11:31          | <del>59.64</del>    | 0.06          | 5.92      | 3403          | 5.1        | 49.71   | 226.8 | 0.32 L/min |
| 11:36          | 59.60               | 0.04          | 5.91      | 3413          | 5.2        | 45.22   | 224.7 |            |
| 11:41          | 59.66               | 0.00          | 5.90      | 3362          | 6.0        | 38.55   | 224.9 |            |
| 11:46          | 59.62               | 0.02          | 5.92      | 3385          | 3.7        | 39.23   | 225.2 |            |
| 11:51          | 59.88               | 0.16          | 5.94      | 3376          | 3.8        | 35.00   | 224.9 |            |
| 11:56          | 59.89               | 0.01          | 5.92      | 3372          | 3.9        | 32.81   | 224.9 |            |
| 12:01          | 59.69               | 0.22          | 5.90      | 3363          | 4.2        | 31.23   | 225.0 |            |
| 12:06          |                     |               |           |               |            |         |       |            |
| Total drawdown |                     |               |           |               |            |         |       |            |
| 0.96           |                     |               |           |               |            |         |       |            |

Sample Method: Low-flow Rate (gpm): 0.08 Time Start: 11:21 Time End: 12:01  
\* Flow rate at stabilization (during sample collection)

| Final Parameters    | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 5.90                   | ±0.1 | Y / N    |
| Conductivity        | 3363                   | 3%   | Y / N    |
| Temp (deg C)        | 4.2                    | 3%   | Y / N    |
| Dissolved Oxygen    | 31.23                  | 10%  | Y / N    |
| Turbidity           |                        | 10%  | Y / N    |
| Oxidation/Reduction | 225.0                  | ±10  | Y / N    |
| DTW Stabilized      | 0.20                   | feet | Y / N    |
| Final H2O level     | 59.69                  | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N If yes, required pump vol (gal): 1.15 Actual vol. pumped (gal): ~3  
\* See Field Volume Guide following stabilization

O/G visible: Y / (N) Turbid? Y / (N)  
Equipment Decontaminated: (Y) / N  
Decontamination procedure used: Triple rinse - liquid-knox

Weather: 63°F, Sunny

Signature: [Signature]

|                                                                                                 |                                                               |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Volume Calculations:                                                                            |                                                               |
| For 2" Diameter Well (gal): $V(gal) = 0.1632 \cdot h(ft)$                                       | For 4" Diameter Well (gal): $V(gal) = 0.6528 \cdot h(ft)$     |
| Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 \cdot (r(in))^2 \cdot h(ft)$           |                                                               |
| Water Column Calculation: $h(ft) = \text{Total Depth}(TD)(ft) - \text{Depth to Water}(DTW)(ft)$ |                                                               |
| Well Volume Purge Method: Three Well Volumes = 3*V                                              |                                                               |
| Conversions:<br>1 ft <sup>3</sup> = 7.48 gal<br>1 gal = 3.785 L                                 | Show Calculations:<br>$0.7 + 0.45 = 1.15$<br>use 5 gal bucket |

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grass valley Date: 9/24/24  
Technician: J. Crawford Quarter: 3  
Static Water Level (DTW): 32.58 Well ID: GVMW-35B  
Is well Dry? No If so Dry at: — Well Depth (TD): 75 feet

| Time           | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes |
|----------------|---------------------|---------------|-----------|---------------|------------|---------|-------|-------|
| 1:52           |                     |               | 8.54      | 2264          | 3.4        | 87.15   | 253.7 |       |
| 1:57           | 33.42               | 0.84          | 9.22      | 2133          | 3.7        | 82.19   | 222.3 |       |
| 2:02           | 33.80               | 0.38          | 9.50      | 2114          | 4.4        | 87.42   | 207.9 |       |
| 2:07           | 33.98               | 0.08          | 9.55      | 2111          | 6.6        | 110.18  | 196.6 |       |
| 2:12           | 33.93               | 0.05          | 9.53      | 2090          | 6.6        | 139.59  | 189.9 |       |
| 2:17           | 34.24               | 0.31          | 9.73      | 2087          | 6.6        | 54.83   | 186.0 |       |
| 2:22           | 34.78               | 0.54          | 10.18     | 2070          | 6.6        | 41.60   | 176.3 |       |
| Total drawdown |                     | 2.2           |           |               |            |         |       |       |

Sample Method: Low-Flow Rate (gpm): N/A Time Start: 1:52 Time End: 2:22  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 10.18                  | ±0.1 | Y / (N)  |
| Conductivity        | 2070                   | 3%   | (Y) / N  |
| Temp (deg C)        | 6.6                    | 3%   | (Y) / N  |
| Dissolved Oxygen    | 41.60                  | 10%  | Y / (N)  |
| Turbidity           |                        | 10%  | Y / (N)  |
| Oxidation/Reduction | 176.3                  | ±10  | Y / (N)  |
| DTW Stabilized      | 0.54                   | feet | Y / (N)  |
| Final H2O level     | 34.78                  | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N If yes, required pump vol (gal): 1.91 Actual vol. pumped (gal): ~2.5  
\* See Field Volume Guide following stabilization

O/G visible: (Y) / (N) Turbid? Y / (N)  
Equipment Decontaminated: (Y) / (N)  
Decontamination procedure used: Triple rinse, Liquid-1040X

Weather: 62°F, Sunny  
Signature: [Signature]

|                                                                                                                                                                                                                                                                                                                                                                                 |                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Volume Calculations:</b><br>For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$ For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$<br>Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$<br>Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$<br>Well Volume Purge Method: $Three\ Well\ Volumes = 3 * V$ |                                                                   |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                                                                                                                                                                                                                                                                                                                 | <b>Show Calculations:</b><br>$1.5 + 0.41 = 1.91$ use 5 gal bucket |

**Newmont Mining Co**  
**Cripple Creek & Victor Gold Mining Co**

**Groundwater Sampling Log**

Location : Grassy Valley  
Technician: S. Crawford  
Static Water Level (DTW): 14.50

Date: 9/24/24  
Quarter: 3  
Well ID: GVNW-36  
Well Depth (TD): 35  
feet

Is well Dry? \_\_\_\_\_

If so Dry at: \_\_\_\_\_

| Time           | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes |
|----------------|---------------------|---------------|-----------|---------------|------------|---------|-------|-------|
| 12:55          |                     |               | 3.66      | 4642          | 3.7        | 121.78  | 349.0 |       |
| 1:00           | 16.05               | 1.55          | 3.68      | 4783          | 3.6        | 98.14   | 358.1 |       |
| 1:05           | 16.60               | 0.55          | 3.73      | 4764          | 3.3        | 143.14  | 369.4 |       |
| 1:10           | 17.10               | 0.50          | 3.69      | 4756          | 3.7        | 132.46  | 373.4 |       |
| 1:15           | 17.35               | 0.25          | 3.69      | 4742          | 4.5        | 122.50  | 372.9 |       |
| 1:20           | 17.45               | 0.10          | 3.67      | 4703          | 5.5        | 119.82  | 376.7 |       |
| Total Drawdown |                     |               |           |               |            |         |       |       |
| 2.95           |                     |               |           |               |            |         |       |       |
|                |                     |               |           |               |            |         |       |       |
|                |                     |               |           |               |            |         |       |       |
|                |                     |               |           |               |            |         |       |       |
|                |                     |               |           |               |            |         |       |       |
|                |                     |               |           |               |            |         |       |       |
|                |                     |               |           |               |            |         |       |       |
|                |                     |               |           |               |            |         |       |       |
|                |                     |               |           |               |            |         |       |       |

Sample Method: Low-Flow Rate (gpm): \_\_\_\_\_ Time Start: 12:55 Time End: 1:20  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 3.67                   | ±0.1 | (Y) / N  |
| Conductivity        | 4703                   | 3%   | (Y) / N  |
| Temp (deg C)        | 5.5                    | 3%   | Y / (N)  |
| Dissolved Oxygen    | 119.82                 | 10%  | (Y) / N  |
| Turbidity           |                        | 10%  | Y / N    |
| Oxidation/Reduction | 376.7                  | ±10  | (Y) / N  |
| DTW Stabilized      | 0.10                   | feet | Y / (N)  |
| Final H2O level     | 17.45                  | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N If yes, required pump vol (gal): 2.1 Actual vol. pumped (gal) ~2.5  
\* See Field Volume Guide following stabilization

O/G visible: (Y) / (N) Turbid? Y / (N)  
Equipment Decontaminated: (Y) / (N)  
Decontamination procedure used: Triple rinse, Liquid-knox

Weather: 62°F, Sunny  
Signature: \_\_\_\_\_

|                                                                                      |                                                                |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Volume Calculations:</b>                                                          |                                                                |
| For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$                                | For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$          |
| Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$        |                                                                |
| Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                                |
| Well Volume Purge Method: $Three\ Well\ Volumes = 3 * V$                             |                                                                |
| Conversions:<br>1ft <sup>3</sup> = 7.48 gal<br>1gal = 3.785 L                        | Show Calculations:<br><u>1.9 * 0.20 = 2.1</u> use 5 gal bucket |

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location:

Grassy Valley

Date:

9/25/24

Technician:

S. Cranford

Quarter:

3

Static Water Level (DTW):

31.94

Well ID:

GUMW-37A

Is well Dry?

No

If so Dry at:

Well Depth (TD): 201.20 feet

| Time                | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|---------------------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 1:08                |                     |               | 7.48      | 793           | 6.4        | 50.78   | 252.6 |          |
| 1:13                | 32.22               | 0.28          | 8.04      | 715.1         | 5.9        | 32.37   | 226.3 |          |
| 1:18                | 32.29               | 0.07          | 8.02      | 669.7         | 6.2        | 23.56   | 212.5 | 0.49 4/m |
| 1:23                | 33.81               | 0.02          | 7.87      | 659.4         | 6.2        | 21.67   | 205.8 |          |
| 1:28                | 33.35               | 0.02          | 7.81      | 660.4         | 6.4        | 17.84   | 192.8 |          |
| 1:33                | 33.35               | 0.00          | 7.81      | 662.4         | 6.4        | 16.60   | 189.7 |          |
| 1:38                | 33.35               | 0.00          | 7.79      | 664.5         | 6.5        | 16.42   | 184.8 |          |
| Total drawdown 0.41 |                     |               |           |               |            |         |       |          |

Sample Method: Low-Flow

Rate (gpm): 0.12

Time Start: 1:08

Time End: 1:38

\* Flow rate at stabilization (during sample collection)

| Final Parameters    | Stabilization Guidance | Met?  | Comments |
|---------------------|------------------------|-------|----------|
| pH                  | 7.79                   | Y / N |          |
| Conductivity        | 664.5                  | Y / N |          |
| Temp (deg C)        | 6.5                    | Y / N |          |
| Dissolved Oxygen    | 16.42                  | Y / N |          |
| Turbidity           |                        | Y / N |          |
| Oxidation/Reduction | 184.8                  | Y / N |          |
| DTW Stabilized      | 0.0                    | Y / N |          |
| Final H2O level     | 33.35                  |       |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / N

If yes, required pump vol (gal):

1.34

Actual vol. pumped (gal)

~ 1.5

\* See Field Volume Guide

O/G visible:

Y / N

Turbid?

Y / N

Equipment Decontaminated:

Y / N

Decontamination procedure used:

Triple rinse - liquid-knox

Weather:

67°F, Sunny

Signature:

|                                                                                                                                                                                                                                                                                                                                                                                      |                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Volume Calculations:</b><br>For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$ For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$<br>Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$<br>Water Column Calculation: $h(ft) = \text{Total Depth}(TD)(ft) - \text{Depth to Water}(DTW)(ft)$<br>Well Volume Purge Method: Three Well Volumes = 3*V |                                         |
| Conversions:<br>1ft³ = 7.48 gal<br>1gal = 3.785 L                                                                                                                                                                                                                                                                                                                                    | Show Calculations:<br>0.2 + 1.14 = 1.34 |

Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley Date: 9/24/24  
Technician: J. Crawford Quarter: 3  
Static Water Level (DTW): ~~31.75~~ 31.60 Well ID: 6UMW-37B  
Is well Dry? No If so Dry at: — Well Depth (TD): 74.89 feet

| Time                | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|---------------------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 9:22                |                     |               | 6.29      | 1148          | 4.4        | 31.92   | 228.3 |          |
| 9:27                | <del>38</del> 31.88 | 0.22          | 6.99      | 616.0         | 4.1        | 32.87   | 202.2 |          |
| 9:30                | 32.07               | 0.19          | 7.39      | 530.0         | 4.1        | 27.95   | 156.8 | 0.32 L/m |
| 9:37                | 32.11               | 0.04          | 7.65      | 523.0         | 4.2        | 24.88   | 125.0 |          |
| 9:42                | 32.10               | 0.00          | 7.73      | 521.8         | 4.2        | 23.67   | 114.8 |          |
| 9:47                | 32.11               | 0.00          | 7.80      | 522.3         | 4.3        | 21.00   | 103.4 |          |
| 9:52                | 32.11               | 0.00          | 7.84      | 522.9         | 4.3        | 19.89   | 98.0  |          |
| 9:57                | 32.11               | 0.00          | 7.84      | 523.2         | 4.3        | 17.68   | 84.9  |          |
| 10:02               | 32.11               | 0.00          | 7.90      | 521.2         | 4.3        | 17.97   | 79.5  |          |
| 10:07               | 32.11               | 0.00          | 7.91      | 520.2         | 4.4        | 16.85   | 71.7  |          |
| 10:12               | 32.11               | 0.00          | 7.92      | 519.1         | 4.4        | 15.64   | 66.5  |          |
| Total Drawdown 0.45 |                     |               |           |               |            |         |       |          |

Sample Method: Low-Flow Rate (gpm): 0.08 Time Start: 9:22 Time End: 10:12  
\* Flow rate at stabilization (during sample collection)

| Final Parameters    | Stabilization Guidance | Met?  | Comments |
|---------------------|------------------------|-------|----------|
| pH                  | 7.92                   | Y / N |          |
| Conductivity        | 519.1                  | Y / N |          |
| Temp (deg C)        | 4.4                    | Y / N |          |
| Dissolved Oxygen    | 15.64                  | Y / N |          |
| Turbidity           |                        | Y / N |          |
| Oxidation/Reduction | 66.5                   | Y / N |          |
| DTW Stabilized      | 0.0                    | Y / N |          |
| Final H2O level     | 32.11                  |       |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): 0.75 Actual vol. pumped (gal) ~4.25  
\* See Field Volume Guide following stabilization

O/G visible: Y / N Turbid? Y / N  
Equipment Decontaminated: Y / N  
Decontamination procedure used: Triple rinse, Lignid-Knox

Weather: 52°F, Sunny  
Signature: [Signature]

|                                                                                                                                                                                                                                                                                                                                                                           |                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Volume Calculations:</b><br>For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$ For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$<br>Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$<br>Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$<br>Well Volume Purge Method: Three Well Volumes = 3*V |                                                                                |
| Conversions:<br>1ft <sup>3</sup> = 7.48 gal<br>1gal = 3.785 L                                                                                                                                                                                                                                                                                                             | Show Calculations:<br><u>0.3 + 0.45 = 0.75 gal</u><br><u>use 5 gal bucket.</u> |

uses gas bucket

|                                                                                      |                                                                                                                                                                     |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Volume Calculations:</b>                                                          |                                                                                                                                                                     |
| For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$                                | For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$                                                                                                               |
| Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$        |                                                                                                                                                                     |
| Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                                                                                                                                     |
| Well Volume Purge Method: Three Well Volumes = 3*V                                   |                                                                                                                                                                     |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                      | <b>Show Calculations:</b><br><div style="font-size: 2em; margin-top: 20px;">Dup - 26B</div> <div style="margin-top: 20px; text-align: right;">use 5gal Bucket</div> |

|                                                                                             |                                                                                                                  |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Volume Calculations:</b>                                                                 |                                                                                                                  |
| <b>For 2" Diameter Well (gal):</b>                                                          | $V(gal) = 0.1632 * h(ft)$                                                                                        |
| <b>For 4" Diameter Well (gal):</b>                                                          | $V(gal) = 0.6528 * h(ft)$                                                                                        |
| <b>Other Diameter Well &amp; Tubing Vol (gal):</b>                                          | $V(gal) = 0.1632 * (r(in))^2 * h(ft)$                                                                            |
| <b>Water Column Calculation:</b> $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$ |                                                                                                                  |
| <b>Well Volume Purge Method:</b> $Three\ Well\ Volumes = 3 * V$                             |                                                                                                                  |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                             | <b>Show Calculations:</b><br> |

|                                                                                                                                                          |                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Volume Calculations:</b><br><b>For 2" Diameter Well (gal):</b> $V(gal) = 0.1632 * h(ft)$ <b>For 4" Diameter Well (gal):</b> $V(gal) = 0.6528 * h(ft)$ |                                                                                                                     |
| <b>Other Diameter Well &amp; Tubing Vol (gal):</b> $V(gal) = 0.1632 * (r(in))^2 * h(ft)$                                                                 |                                                                                                                     |
| <b>Water Column Calculation:</b> $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$                                                              |                                                                                                                     |
| <b>Well Volume Purge Method:</b> $Three\ Well\ Volumes = 3 * V$                                                                                          |                                                                                                                     |
| <b>Conversions:</b><br>$1ft^3 = 7.48\ gal$<br>$1gal = 3.785\ L$                                                                                          | <b>Show Calculations:</b><br><div style="font-family: cursive; font-size: 2em; margin-top: 20px;">Well is Dry</div> |

## Range & Return

**Newmont Mining Co**  
**Cripple Creek & Victor Gold Mining Co**

**Groundwater Sampling Log**

Location: Grassy Valley

Date: 9/16/24

Technician: T. Reed

Quarter: 3

Static Water Level (DTW): 13.3

Well ID: 05ABH-17

Is well Dry?                     

If so Dry at:                     

Well Depth (TD): 30.35  
feet

| Time           | Depth to Water (ft) | Drawdown (ft) | pH (S.U.) | Cond. (uS/cm) | Temp. (°C) | DO mg/L | ORP   | Notes    |
|----------------|---------------------|---------------|-----------|---------------|------------|---------|-------|----------|
| 1:31           |                     |               | 2.94      | 27014         | 3.8        | 718.39  | 511.9 |          |
| 1:34           | 13.53               | 0.23          | 2.97      | 26225         | 3.7        | 685.44  | 537.0 |          |
| 1:41           | 13.53               | 0.00          | 2.98      | 26134         | 3.7        | 657.28  | 543.2 | 0.31 1/m |
| 1:46           | 13.53               | 0.00          | 2.96      | 26074         | 3.7        | 583.93  | 544.6 |          |
| 1:51           | 13.53               | 0.00          | 2.96      | 25904         | 3.7        | 533.29  | 551.6 |          |
| 1:56           | 13.53               | 0.00          | 2.96      | 25865         | 3.7        | 533.77  | 557.0 |          |
| 2:01           | 13.53               | 0.00          | 2.94      | 25834         | 3.7        | 533.33  | 559.2 |          |
| Total Drawdown |                     |               |           |               |            |         |       |          |
|                |                     | 0.23          |           |               |            |         |       |          |

Sample Method: Low Flow Rate (gpm): 0.08 Time Start: 1:31 Time End: 2:01  
\* Flow rate at stabilization (during sample collection)

| Final Parameter     | Stabilization Guidance | Met? | Comments |
|---------------------|------------------------|------|----------|
| pH                  | 2.94                   | ±0.1 | Y / N    |
| Conductivity        | 25838                  | 3%   | Y / N    |
| Temp (deg C)        | 3.7                    | 3%   | Y / N    |
| Dissolved Oxygen    | 533.33                 | 10%  | Y / N    |
| Turbidity           |                        | 10%  | Y / N    |
| Oxidation/Reduction | 559.2                  | ±10  | Y / N    |
| DTW Stabilized      | 13.53                  | feet | Y / N    |
| Final H2O level     | 13.53                  | feet |          |

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal):                      Actual vol. pumped (gal) ~3  
\* See Field Volume Guide following stabilization

O/G visible: Y / (N) Turbid? Y / N - slightly  
 Equipment Decontaminated: Y / N Liquid Icnox  
 Decontamination procedure used: Triple rinse

Weather: 56°F, Overcast  
 Signature: [Signature]

|                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Volume Calculations:</b><br>For 2" Diameter Well (gal): $V(gal) = 0.1632 \cdot h(ft)$ For 4" Diameter Well (gal): $V(gal) = 0.6528 \cdot h(ft)$<br>Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 \cdot (r(in))^2 \cdot h(ft)$<br>Water Column Calculation: $h(ft) = \text{Total Depth}(TD)(ft) - \text{Depth to Water}(DTW)(ft)$<br>Well Volume Purge Method: $\text{Three Well Volumes} = 3 \cdot V$ |                                                                                                       |
| <b>Conversions:</b><br>$1ft^3 = 7.48 gal$<br>$1gal = 3.785 L$                                                                                                                                                                                                                                                                                                                                                       | <b>Show Calculations:</b><br><div style="text-align: right; font-size: 1.2em;">use 5 gal bucket</div> |

Well is Dry

**Newmont Mining Co**  
**Cripple Creek & Victor Gold Mining Co**  
**Surface Water Sampling Log**

**Location:** Seep-1

**Date:** 9/30/24

**Technician:** S. Cranford

**Quarter:** 3

| Time | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP | Chlorine |
|------|--------------|------------------|------------|-----|----------|
| 8:16 | 2.51         | 16.08            | 9.8        | 527 |          |

**Sample Method:** Grab

**Oil/Gas visible** ☐ Y ☒ N

**Turbid** ☒ Y ☐ N

**Clear** ☐ Y ☒ N

**Weather:** 54° F, Sunny

**Signature:** 

**Comments / Notes:**

**Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co  
Surface Water Sampling Log**

**Location:** Seep-2

**Date:** 9/30/24

**Technician:** S. Crawford

**Quarter:** 3

| Time | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP | Chlorine |
|------|--------------|------------------|------------|-----|----------|
| 8:32 | 2.45         | 29.00            | 7.6        | 478 |          |

**Sample Method:** Grab

**Oil/Gas visible** ☒ Y ☐ N

**Turbid** ☒ Y ☐ N

**Clear** ☐ Y ☒ N

**Weather:** 54° F, Sunny

**Signature:** 

**Comments / Notes:**



**Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co  
Surface Water Sampling Log**

**Location:** emp-17

**Date:** 9/30/24

**Technician:** J. Cranford

**Quarter:** 3

| Time | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP | Chlorine |
|------|--------------|------------------|------------|-----|----------|
| 8:47 |              | Dry              |            |     |          |

**Sample Method:** \_\_\_\_\_

**Oil/Gas visible** ~~[Y/N]~~

**Turbid** ~~[Y/N]~~

**Clear** ~~[Y/N]~~

**Weather:** 54°F, Sunny

**Signature:** \_\_\_\_\_

**Comments / Notes:**

Dry.

**Newmont Mining Co**  
**Cripple Creek & Victor Gold Mining Co**  
**Surface Water Sampling Log**

**Location:** emp-17A

**Date:** 9/30/24

**Technician:** J. Cranford

**Quarter:** 3

| Time | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP | Chlorine |
|------|--------------|------------------|------------|-----|----------|
| 8:53 |              | insuff. to test  |            |     |          |
|      |              |                  |            |     |          |

**Sample Method:** \_\_\_\_\_

**Oil/Gas visible** [Y/N]

**Turbid** [Y/N]

**Clear** [Y/N]

**Weather:** 55°F, Sunny

**Signature:** \_\_\_\_\_

**Comments / Notes:**

~ 4" of water

**Newmont Mining Co  
Cripple Creek & Victor Gold Mining Co  
Surface Water Sampling Log**

**Location:** emp- 17B

**Date:** 9/30/24

**Technician:** S. Cranford

**Quarter:** 3

| Time | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP | Chlorine |
|------|--------------|------------------|------------|-----|----------|
| 2:33 |              | Dry              |            |     |          |

**Sample Method:** \_\_\_\_\_

**Oil/Gas visible** [Y/N]

**Turbid** [Y/N]

**Clear** [Y/N]

**Weather:** 54° F, Sunny

**Signature:** \_\_\_\_\_

**Comments / Notes:**

Dry

**Newmont Mining Co**  
**Cripple Creek & Victor Gold Mining Co**  
**Surface Water Sampling Log**

**Location:** EMP-20

**Date:** 9/30/24

**Technician:** T. Reed

**Quarter:** 3

| Time  | pH<br>(S.U.) | Cond.<br>(uS/cm) | Temp. (°C) | ORP   | Chlorine |
|-------|--------------|------------------|------------|-------|----------|
| 10:01 | _____        | DRY              | _____      | _____ | _____    |

**Sample Method:** \_\_\_\_\_

**Oil/Gas visible** ~~{Y/N}~~ →

**Turbid** ~~{Y/N}~~ →

**Clear** ~~{Y/N}~~ →

**Weather:** 54°

**Signature:** 

**Comments / Notes:**

DRY



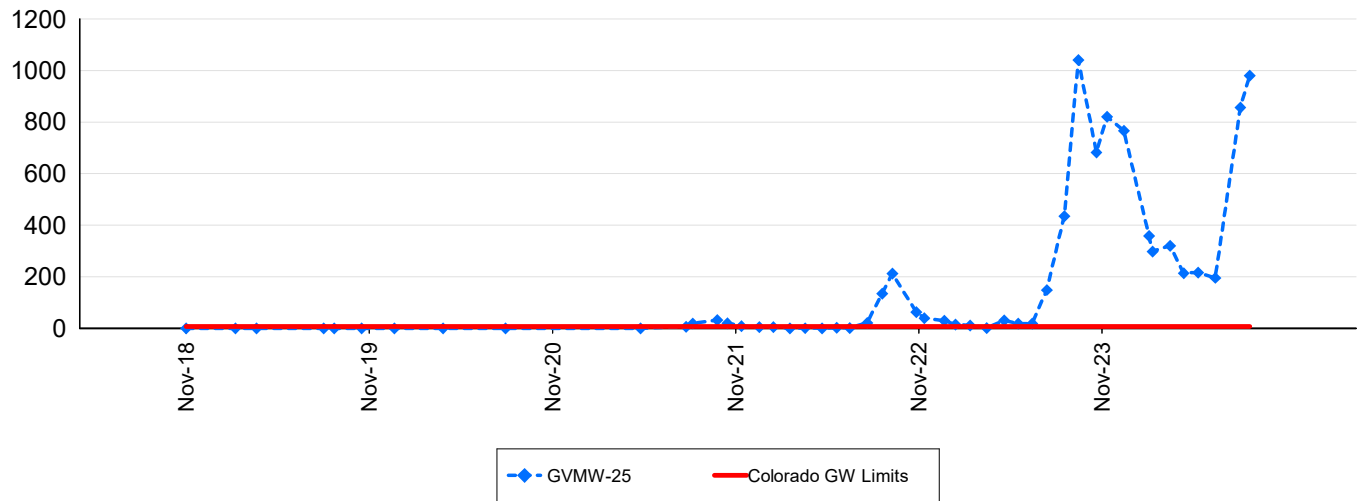
Cripple Creek & Victor  
Gold Mining Company  
P.O. Box 191  
100 North 3<sup>rd</sup> Street  
Victor, Colorado 80860

P 719.689.2977  
F 719.689.3254  
[newmont.com](http://newmont.com)

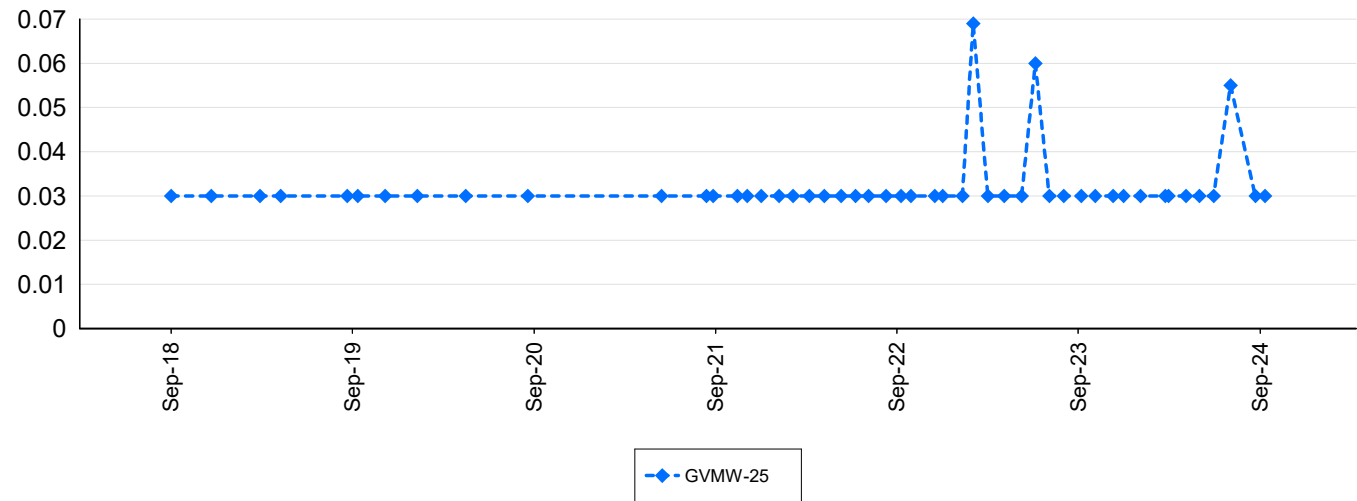
# Attachment 4

## GVMW-25 Historical Graphs

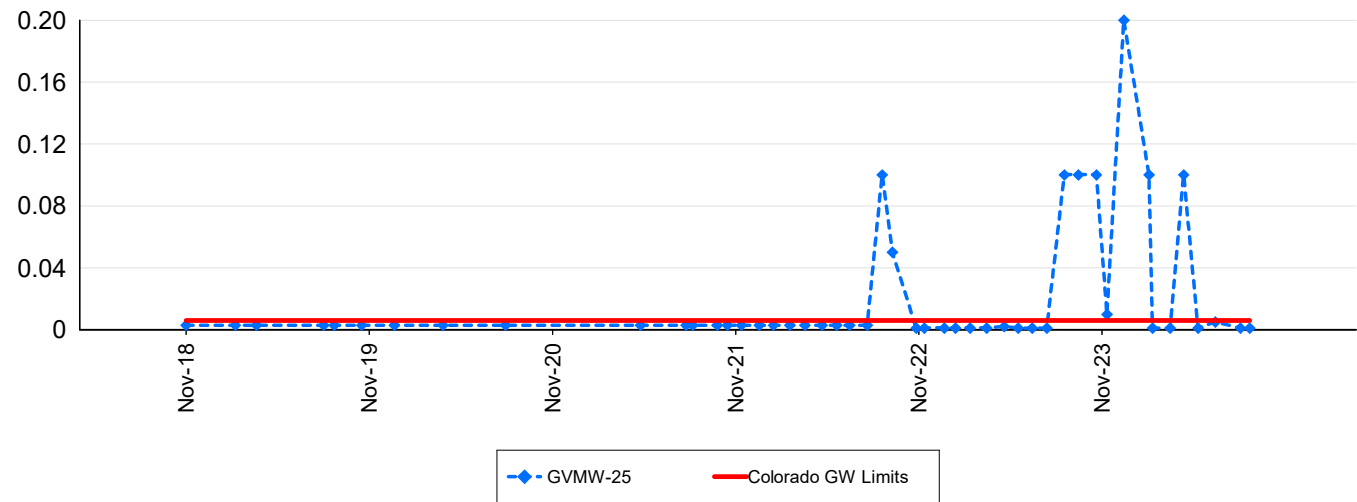
Grassy Valley: Aluminium - Dissolved (mg/L)



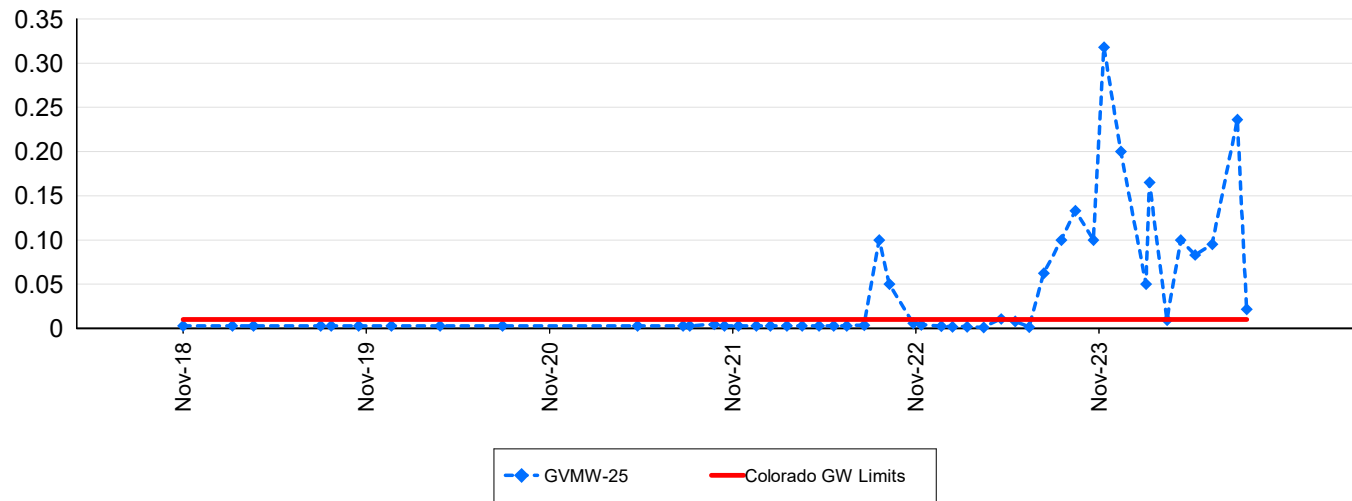
Grassy Valley: Ammonia (mg/L)



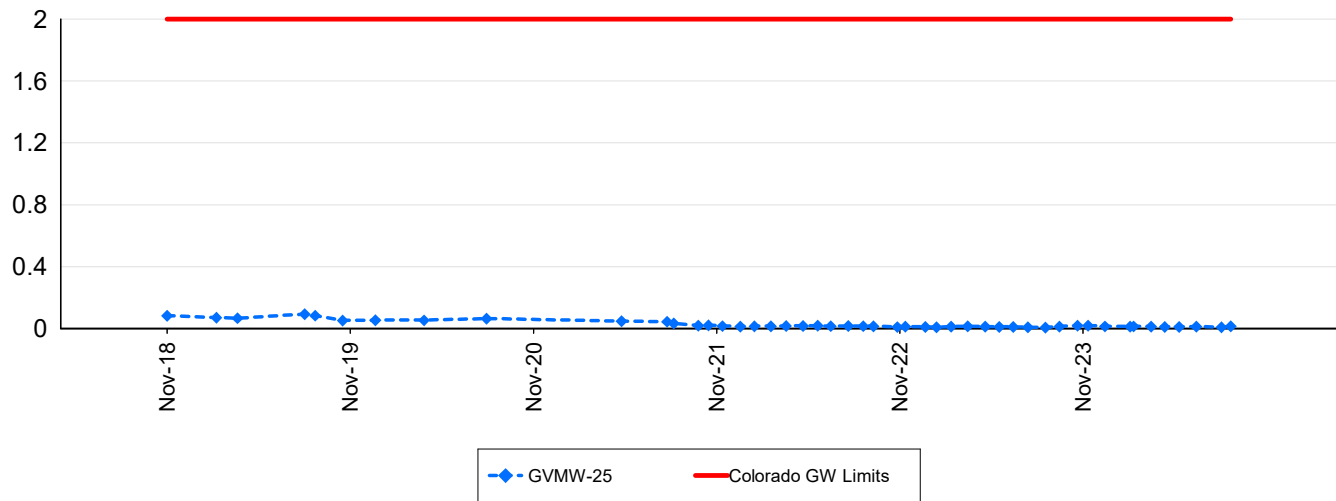
Grassy Valley: Antimony - Dissolved (mg/L)



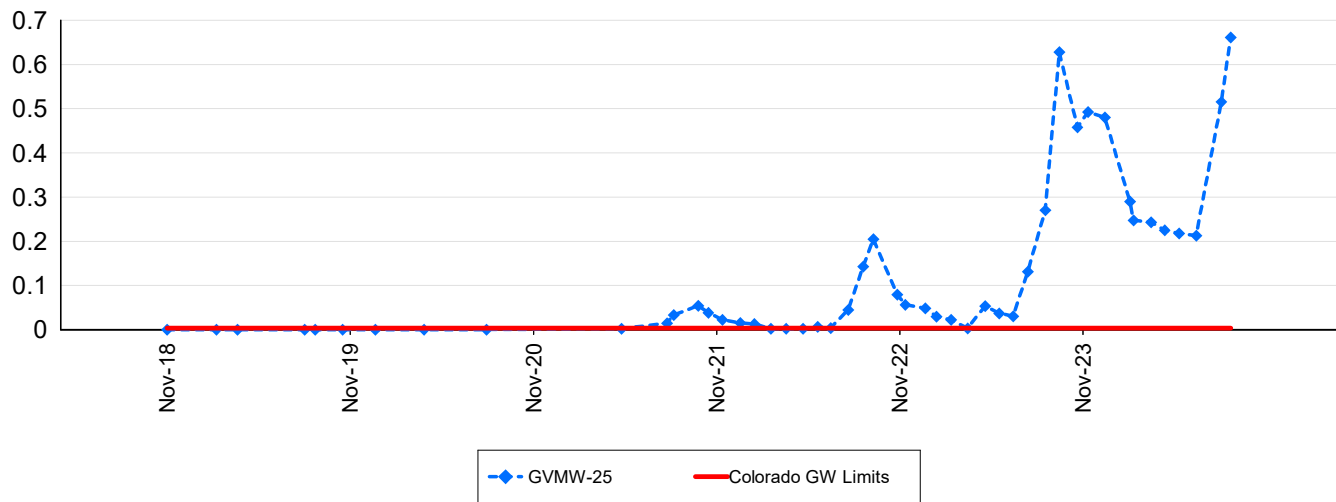
Grassy Valley: Arsenic - Dissolved (mg/L)



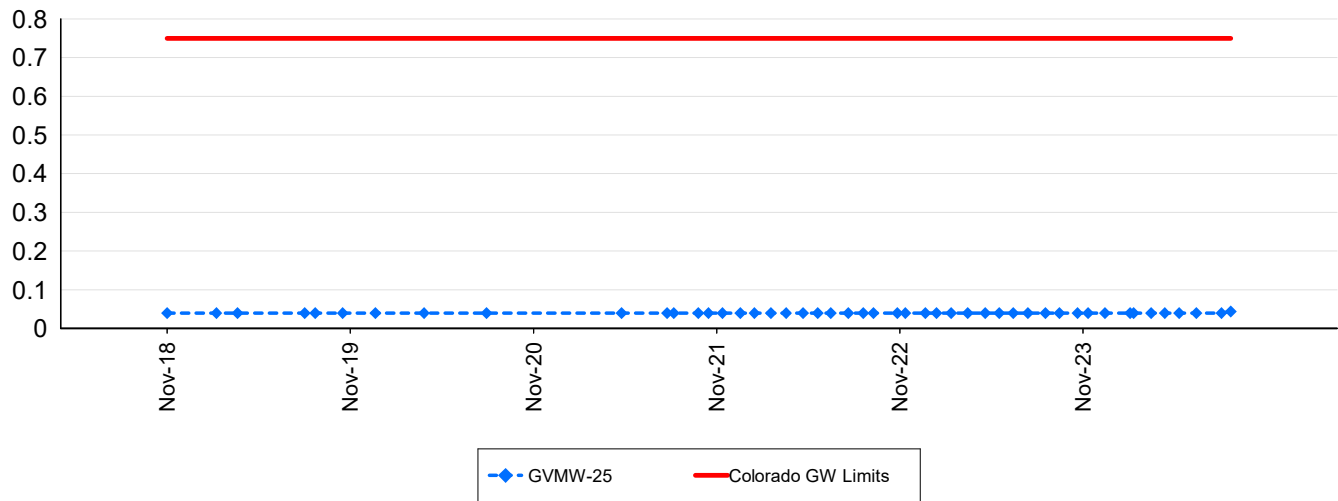
Grassy Valley: Barium - Dissolved (mg/L)



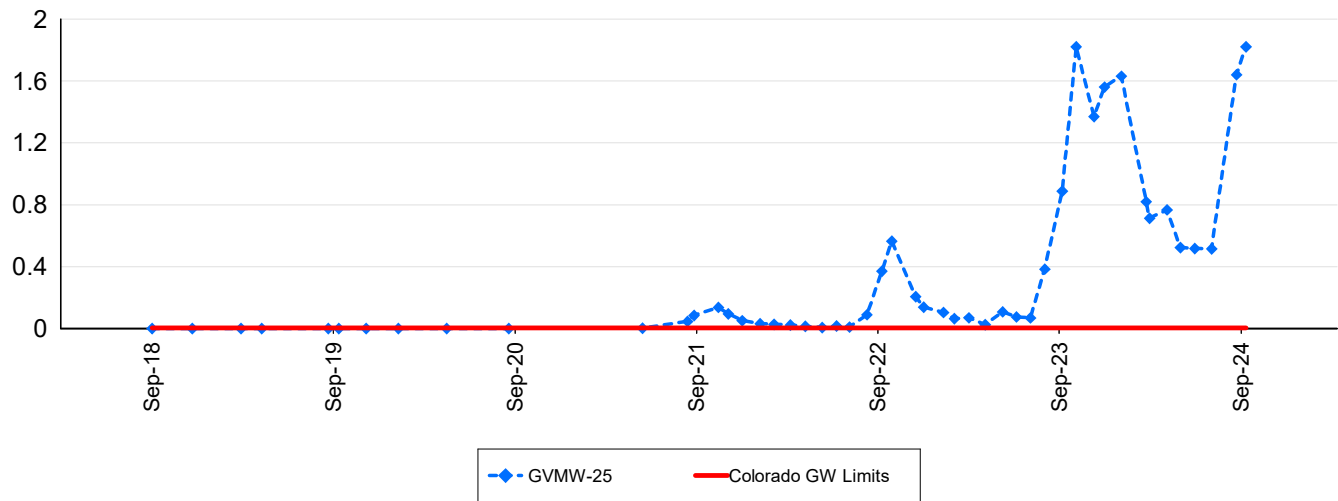
Grassy Valley: Beryllium - Dissolved (mg/L)



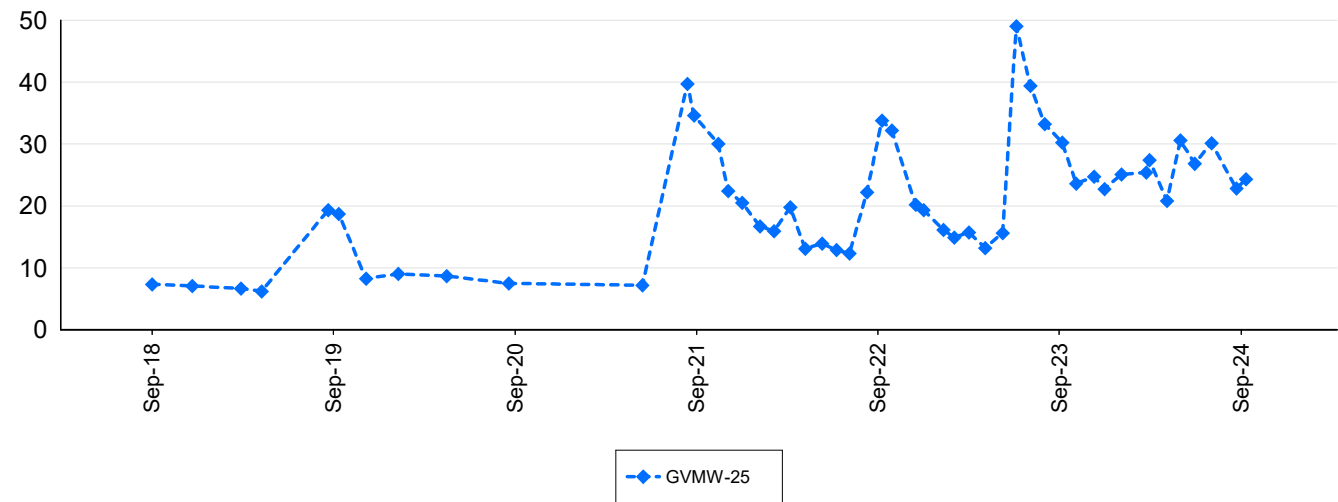
Grassy Valley: Boron - Dissolved (mg/L)

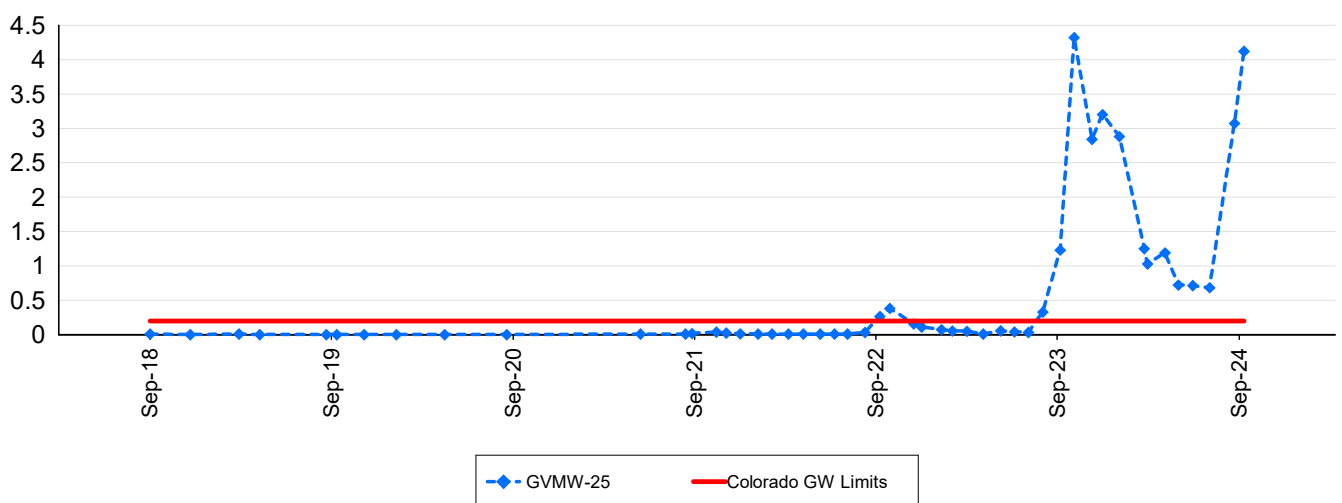


Grassy Valley: Cadmium - Dissolved (mg/L)

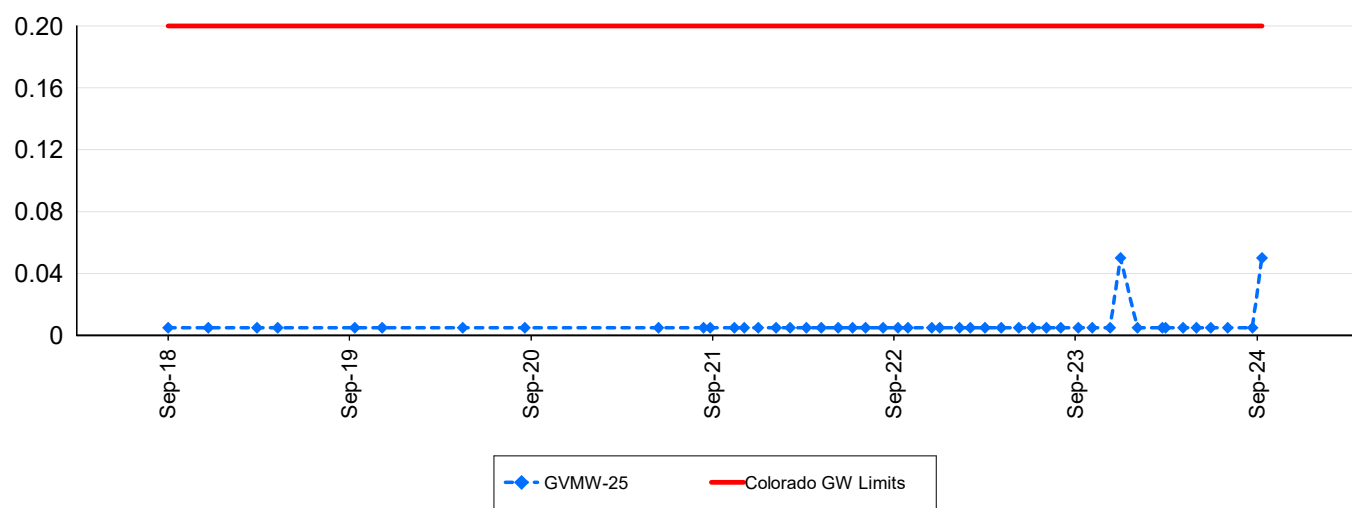


Grassy Valley: Chloride - Total (mg/L)

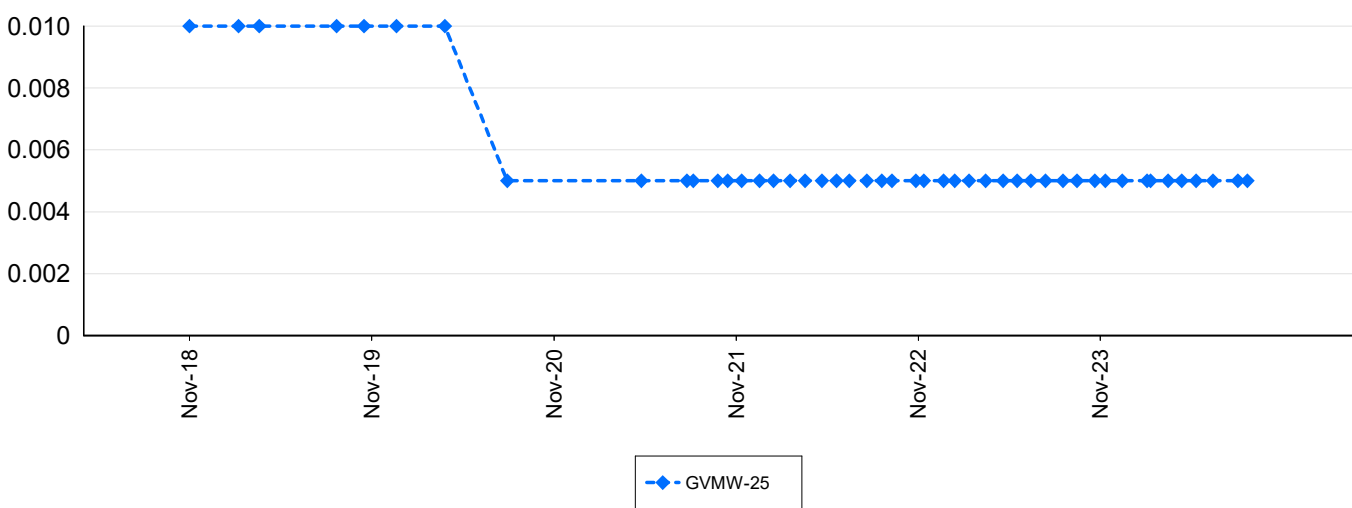




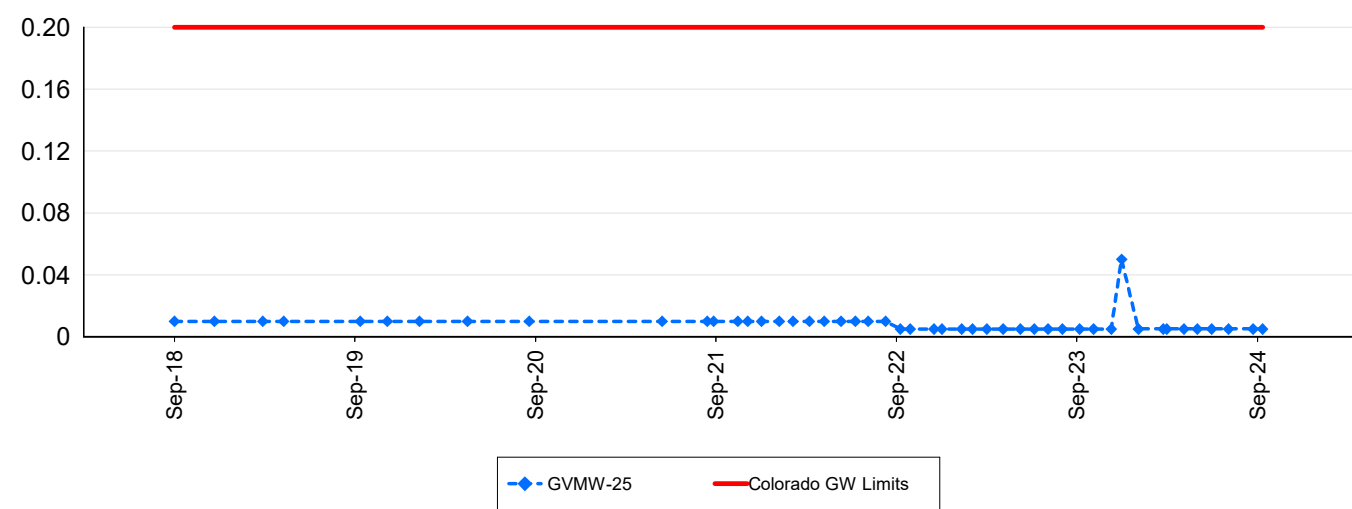
Grassy Valley: Cyanide - Free (mg/L)



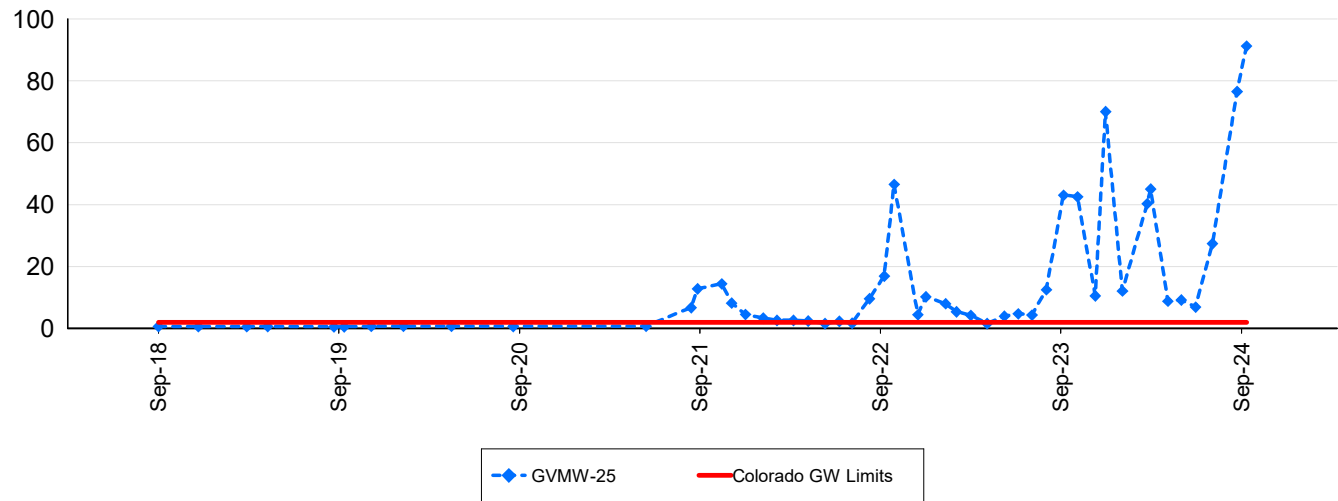
Grassy Valley: Cyanide - Total (mg/L)



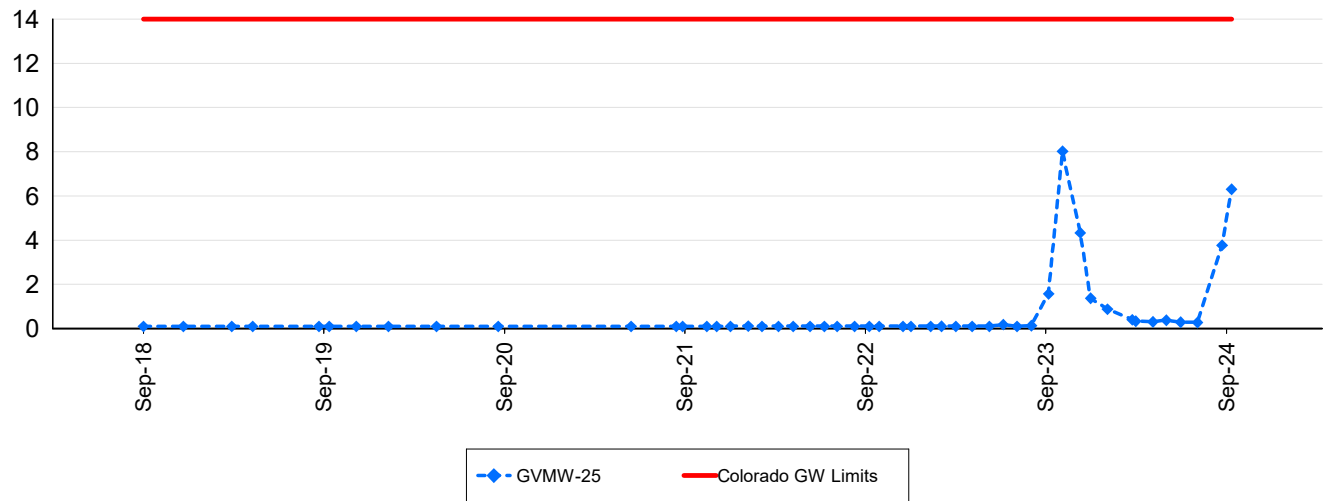
Grassy Valley: Cyanide - WAD (mg/L)



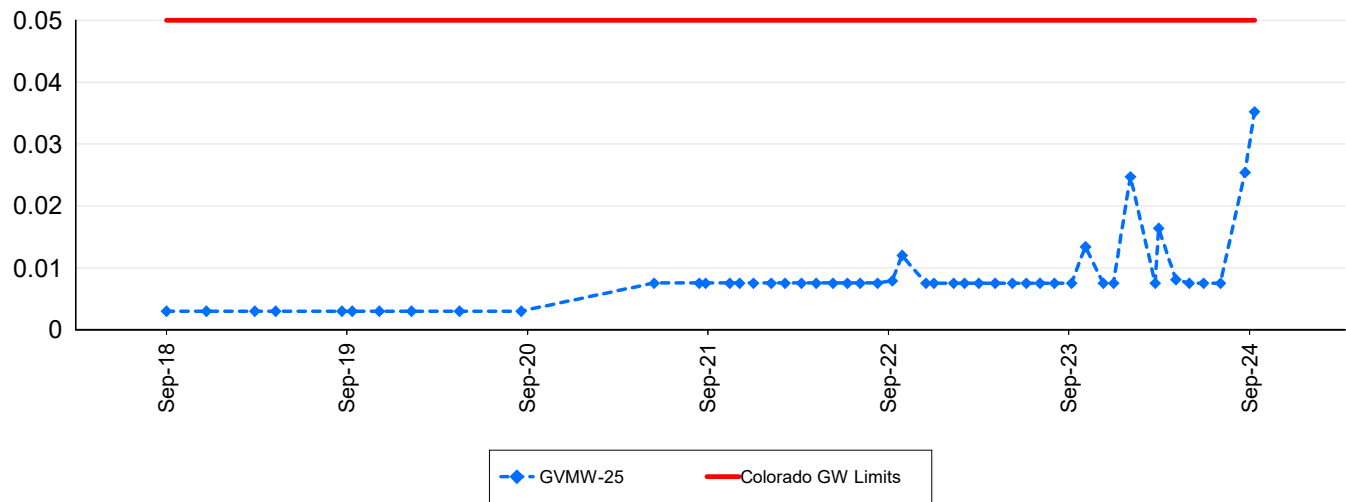
Grassy Valley: Fluoride - Total F (mg/L)



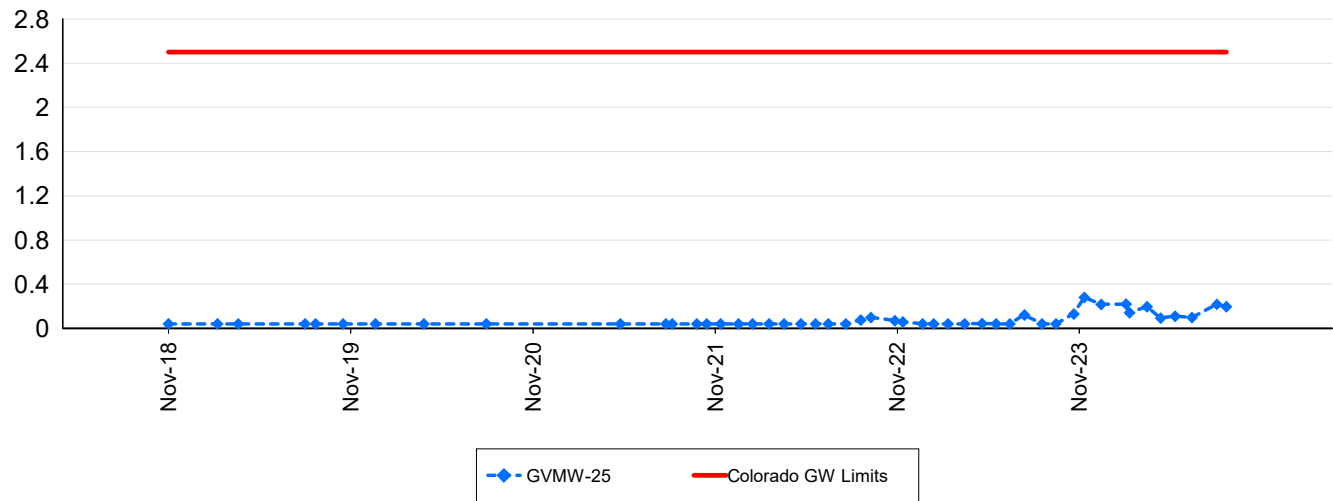
Grassy Valley: Iron - Dissolved (mg/L)



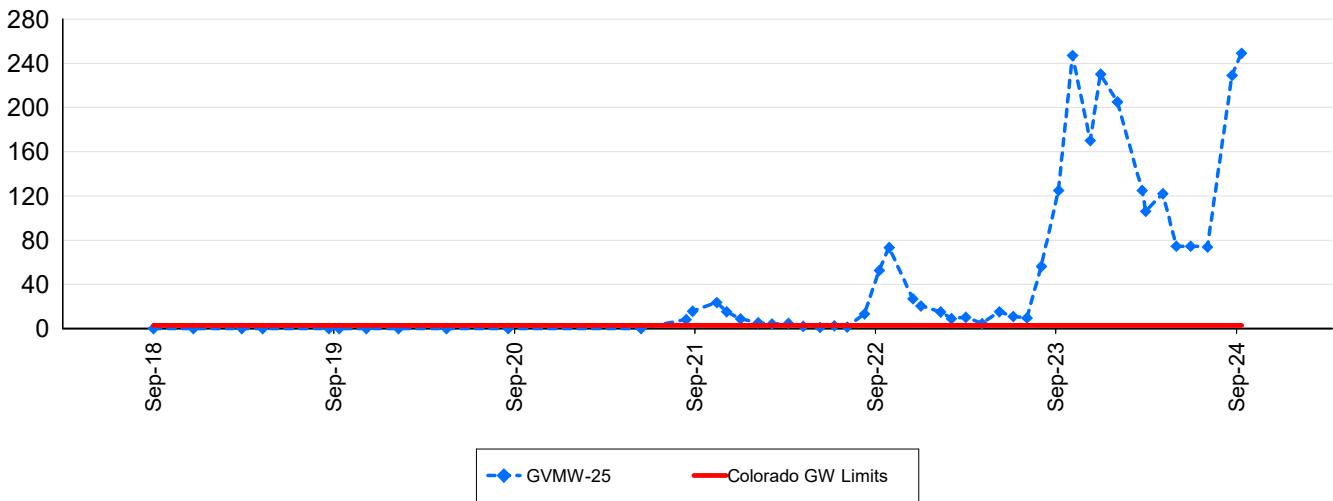
Grassy Valley: Lead - Dissolved (mg/L)



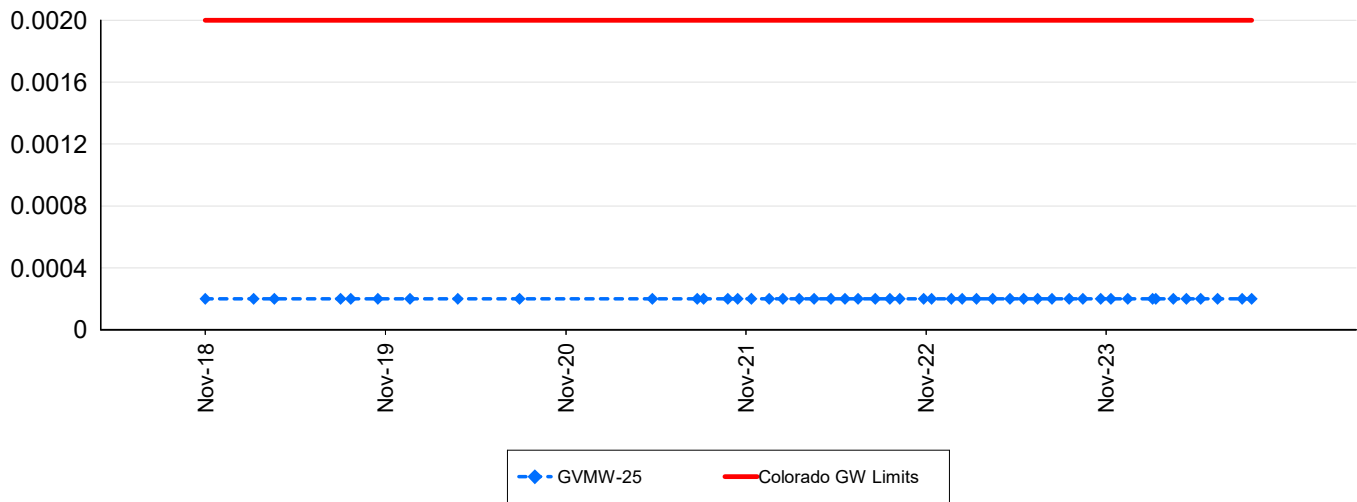
Grassy Valley: Lithium - Dissolved (mg/L)



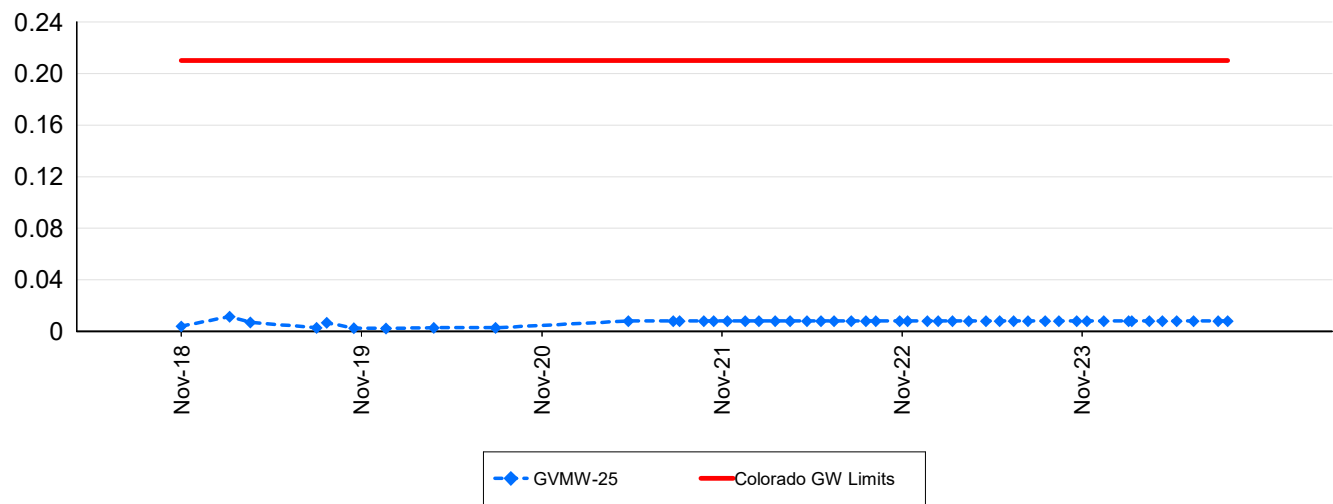
Grassy Valley: Manganese - Dissolved (mg/L)



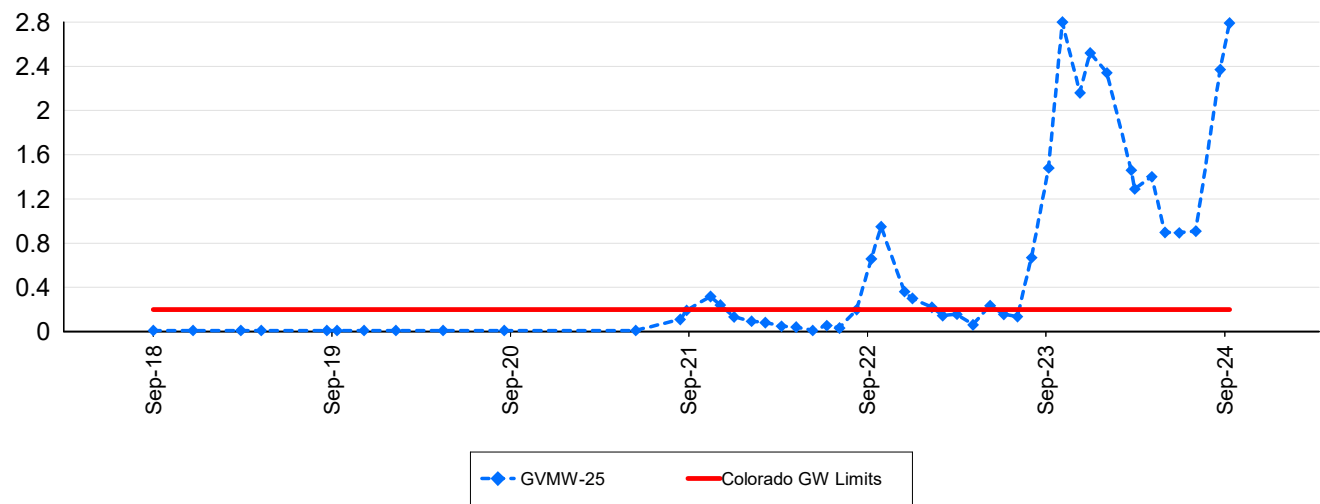
Grassy Valley: Mercury - Dissolved (mg/L)



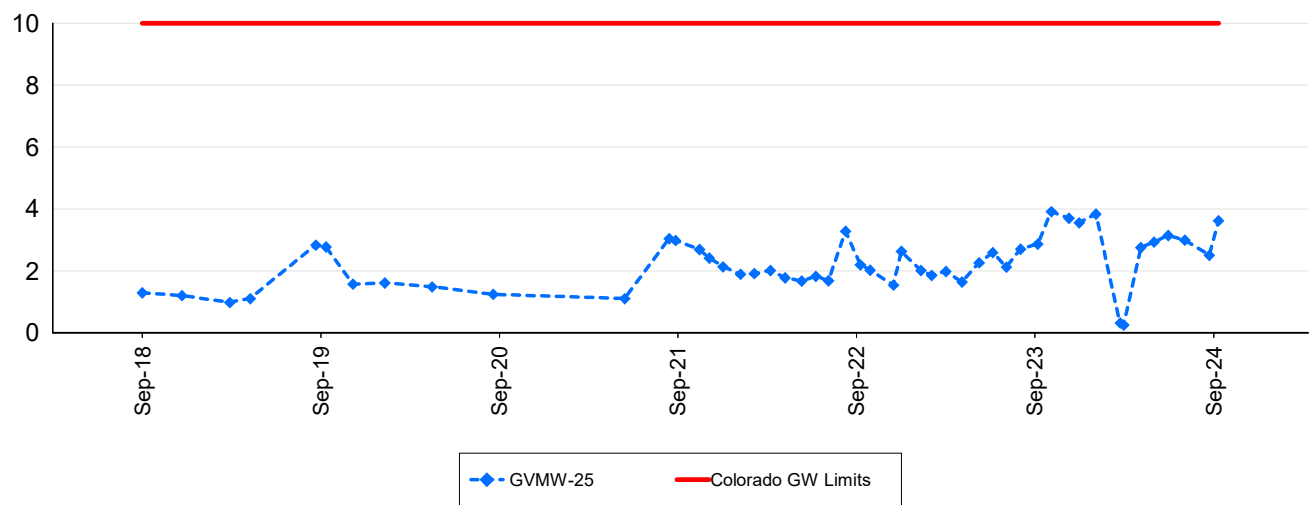
Grassy Valley: Molybdenum - Dissolved (mg/L)



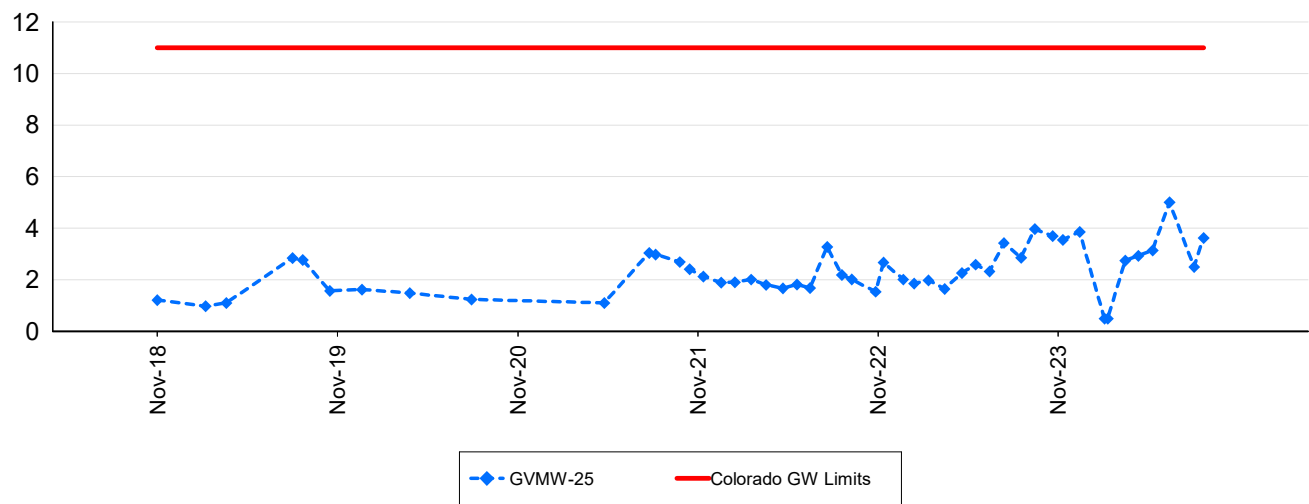
Grassy Valley: Nickel - Dissolved (mg/L)



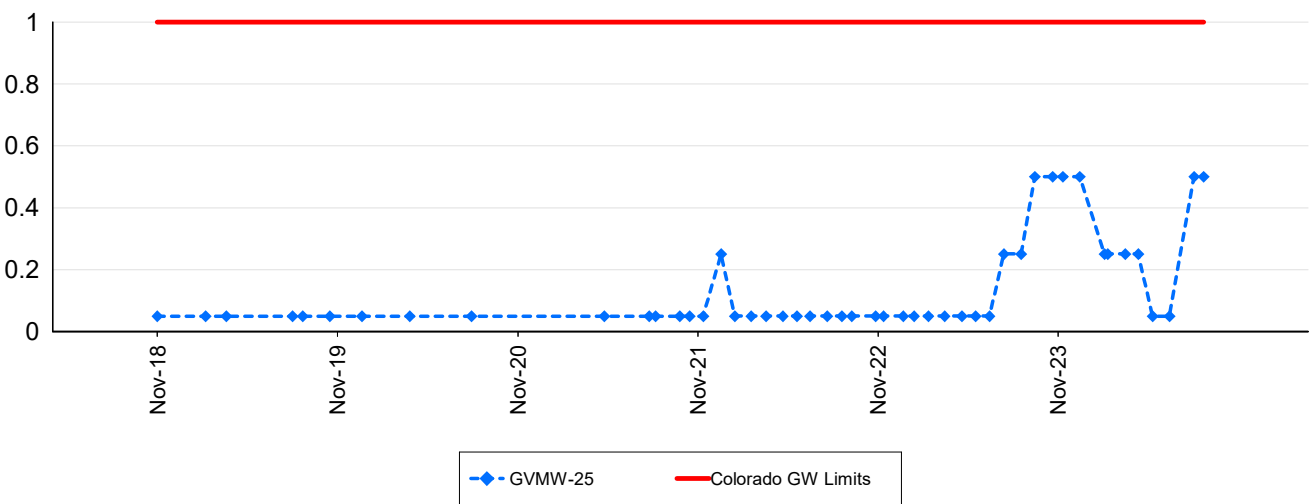
Grassy Valley: Nitrate as Nitrogen (mg/L)



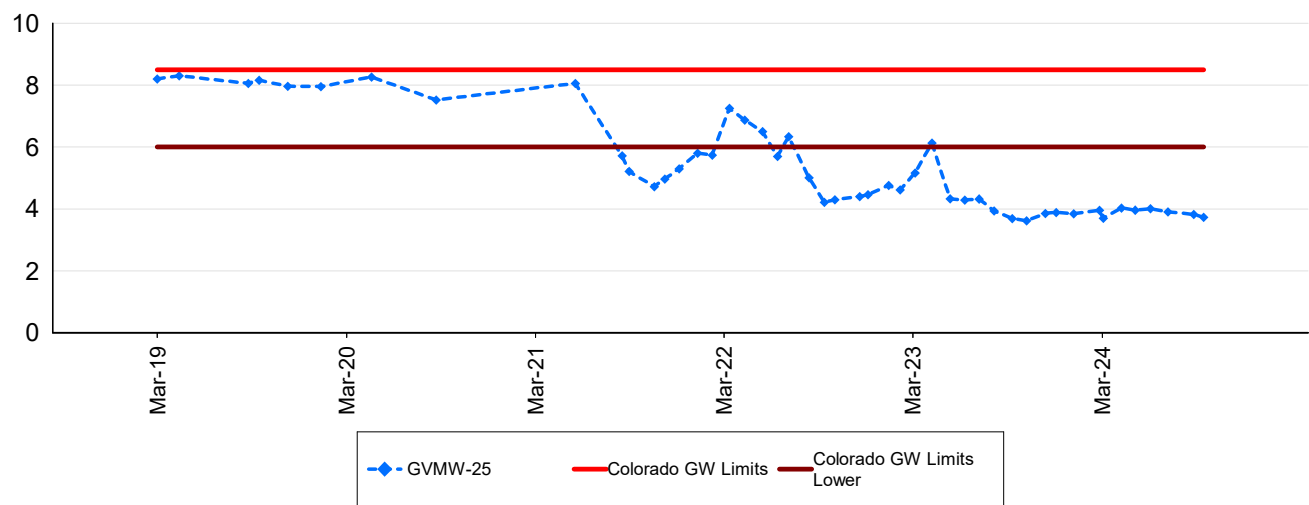
Grassy Valley: Nitrite + Nitrate as Nitrogen (mg/L)



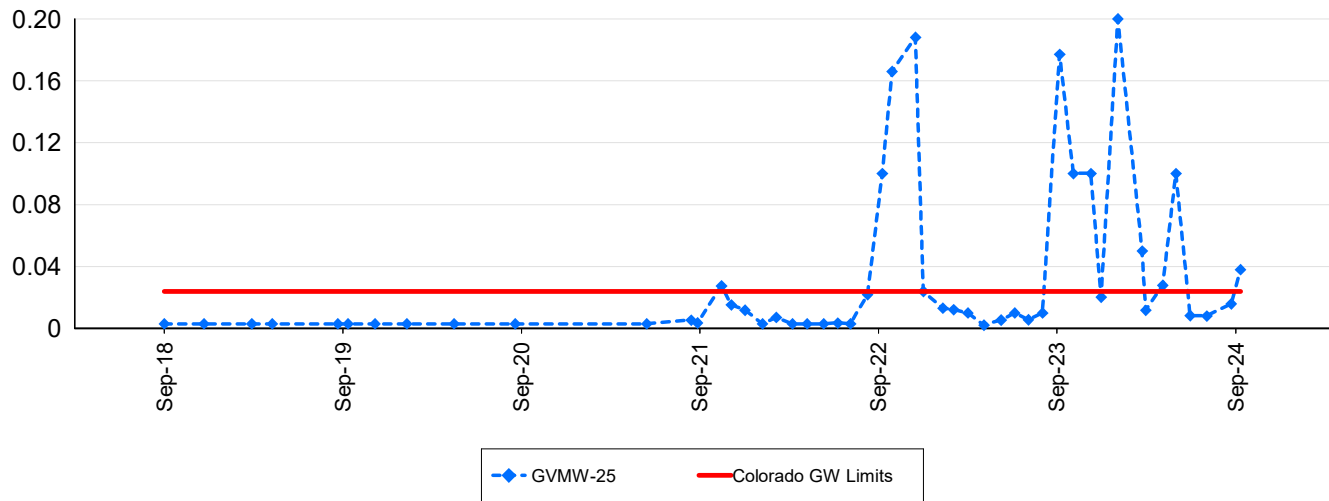
Grassy Valley: Nitrite as Nitrogen (mg/L)



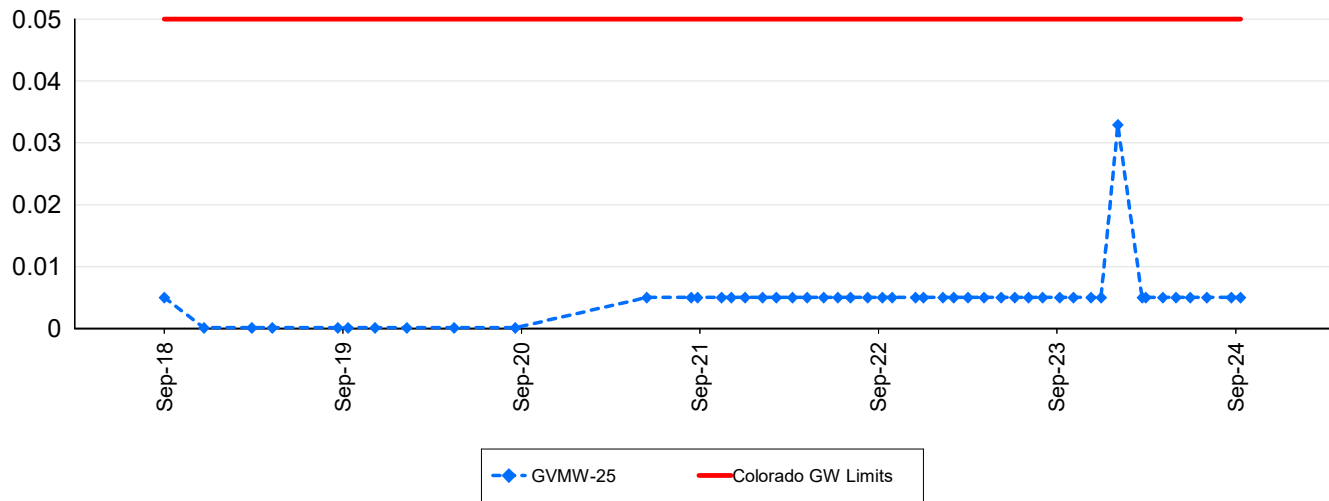
Grassy Valley: pH Field (pH unit)



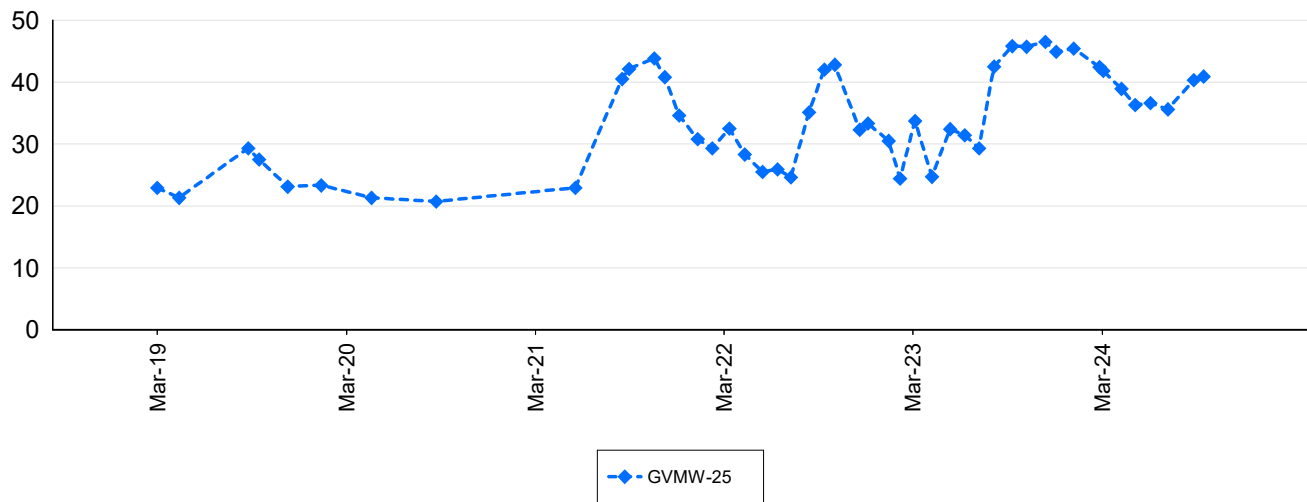
Grassy Valley: Selenium - Dissolved (mg/L)



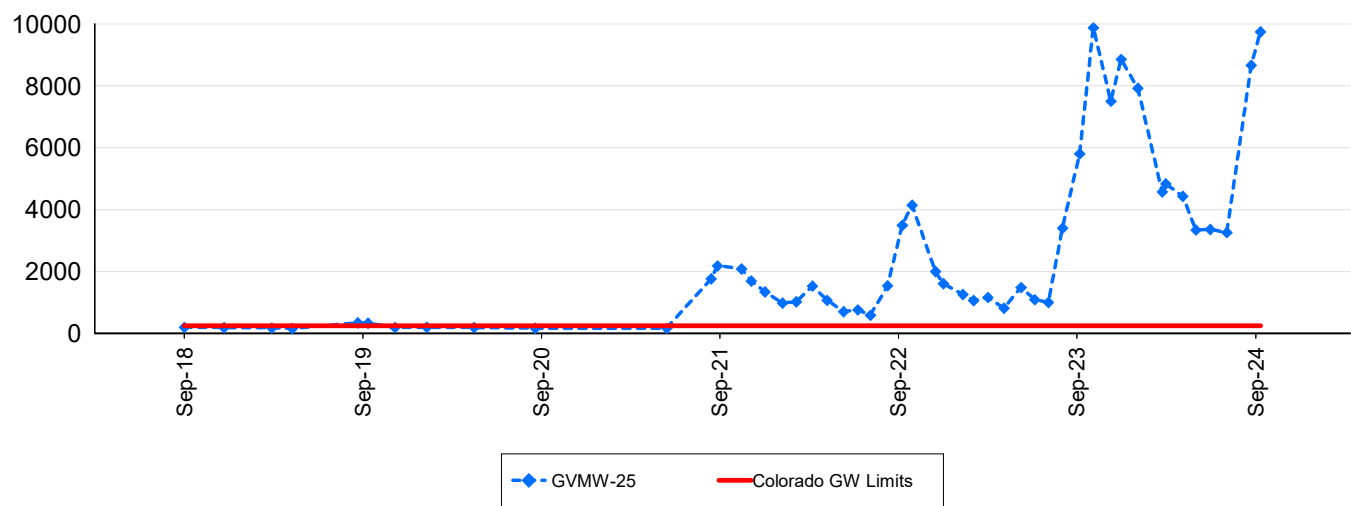
Grassy Valley: Silver - Dissolved (mg/L)



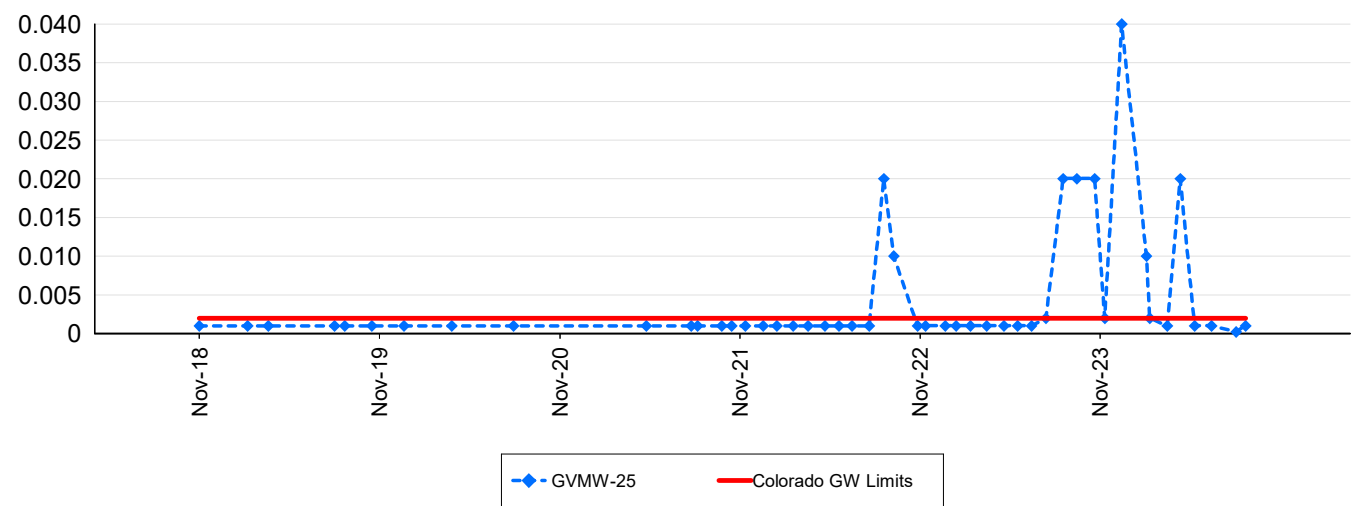
Grassy Valley: Sodium - Dissolved (mg/L)



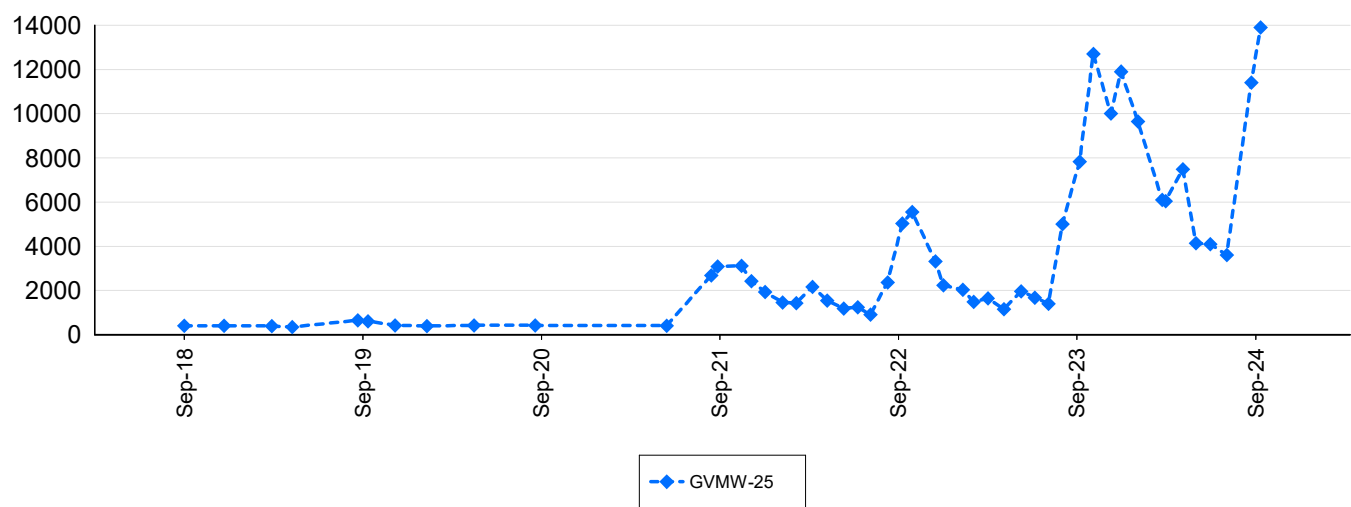
Grassy Valley: Sulfate - Total (mg/L)



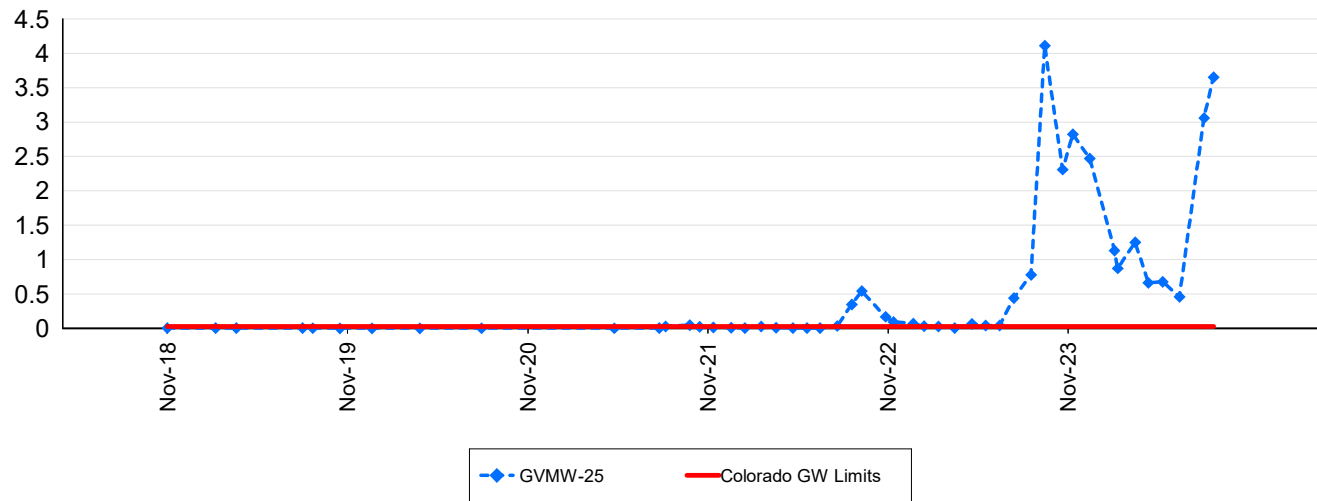
Grassy Valley: Thallium - Dissolved (mg/L)



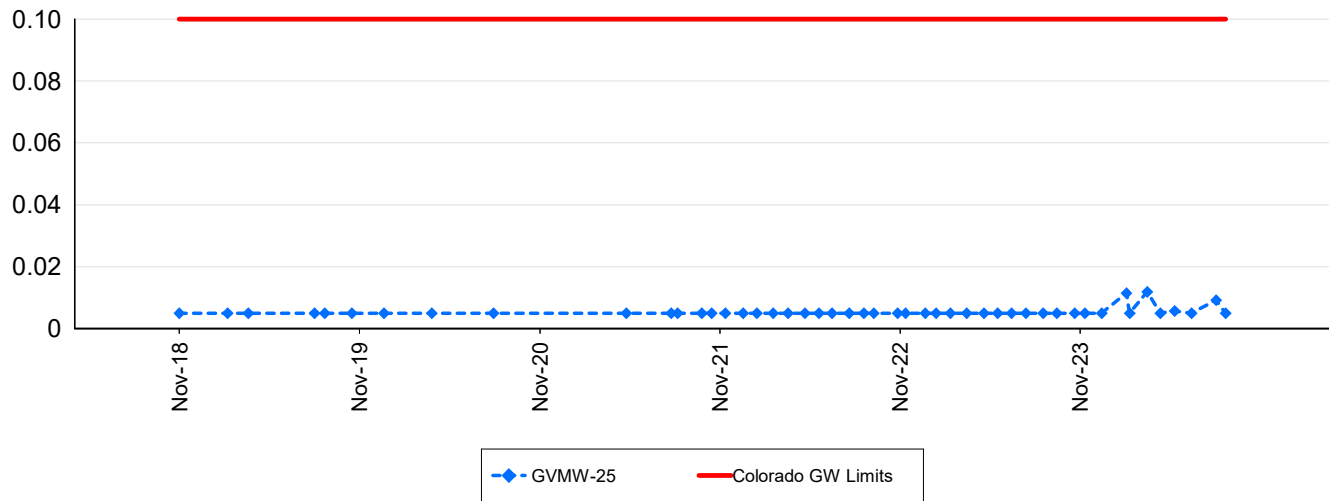
Grassy Valley: Total Dissolved Solids (mg/L)



Grassy Valley: Uranium - Dissolved (mg/L)



Grassy Valley: Vanadium - Dissolved (mg/L)



Grassy Valley: Zinc - Dissolved (mg/L)

