Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

April 30, 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 March 2024 Report Submission, April 30, 2024

Dear Mr. Russell,

Newmont Corporation's Cripple Creek & Victor Gold Mining Company (CC&V) hereby provides the Grassy Valley Monthly Monitoring Report, as required 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. Additional information requested by DRMS on March 13, 2024 in the *Additional Surface Water Monitoring Locations* request is included in this report.

METHODOLOGY

In March 2024, CC&V monitored all accessible and applicable groundwater and surface water locations and collected all possible samples within Grassy Valley.

Table 1 provides a summary of the status of each monitoring location (groundwater and surface water). Monitoring locations are displayed on Location Maps (Figures).

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

- GVMW-10 had insufficient water to be sampled.
- GVMW-15C and GVMW-24B were dry and were thus not able to be sampled.
- GVMW-24A was not sampled due to sediment-laden water preventing the pump from evacuating the well. The well is scheduled to be re-developed and sampled in April 2024.
- ECOSA Seep-1 and Seep-2 were frozen and not sampled.
- OSABH-12, 14, 16, and 18 were not monitored during the March event. CC&V received the request to add these wells to the monthly monitoring schedule on March 21, 2024. CC&V prioritized collecting samples from established monitoring locations for the month of March

Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

prior to addressing the newly added locations. However, these wells were monitored in the first weeks of the April monitoring event. These wells were all dry and monitoring results will be reported in the April 2024 monitoring report.

- The surface water monitoring locations GV-02, GV-03, and GV-06 did not have any observed flowing water during the month of March and were not sampled. Per our communication dated 21 December 2023, GV-01 no longer exists. CC&V will be surveying the area following spring freshet of 2024 to find a suitable replacement for the GV-01 location.
- EMP-016, EMP-017, EMP-017A, EMP-017B, and EMP-020 were not sampled due to the locations being either frozen or full of snow (no standing water).

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.

QA/QC Samples

CC&V collected two quality assurance/quality control (QA/QC) samples in March 2024 (included in Attachment 1). One duplicate sample 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. Complete laboratory analytical reports from the March 2024 sampling event are included as Attachment 1 and field-collected data is presented on the sampling logs (Attachment 2).

DISCUSSION

Observed groundwater quality data continues to show similar trends to previously recorded data with constituent concentrations peaking around October, then declining throughout the year. Observed impacts of waste rock seepage from the East Cresson Overburden Storage Area (ECOSA) at GVMW-25 and OSABH-17 are consistent with previously reported data. Other potential seepage impacts to groundwater were observed in GVMW-15B (metals, sulfate, and low pH), located at the

Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

toe of the ECOSA close to its northern extent. The more distant groundwater monitoring wells do not show impacts and the composition of the March 2024 samples is consistent with prior conditions.

As all surface water bodies were either frozen or dry in March 2024, no samples were collected, and therefore there are no updates to the evaluation of runoff quality for the Grassy Valley. The GV-06 location was monitored on a weekly basis throughout the month of March and no flow was identified.

Graphs of the trends in various analytes at the GVMW-25 monitoring location are presented in Attachment 3. In general, results at the GVMW-25 location showed decreasing concentrations of most analytes in March 2024 compared to prior months. Aluminum, beryllium, cadmium, chromium, cobalt, copper, iron, lithium, manganese, nickel, selenium, uranium, and zinc all show decreases in concentration compared to the February 2024 results. Arsenic, lead, and sulfate concentrations in March 2024 are slightly higher than the February 2024 results. Ammonia, boron, mercury, molybdenum, nitrate/nitrite, silver, thallium, and vanadium concentrations were below laboratory reporting limits. Barium, chloride, chromium, fluoride, pH, and sodium are consistent with previous results.

Water quality monitoring results from wells GVMW-15B and OSABH-17 were consistent with previous records and suggest waste rock seepage continues to be present in shallow groundwater near the toe of the ECOSA at its northern extent. At the shallow interval in GVMW-15B (total depth 102 feet bgs) the groundwater exceeded applicable standards for beryllium, cobalt, iron, lead, nickel, pH, and sulfate.

At the deeper well GVMW-15A (total depth approximately 682 feet bgs) the groundwater exceeded the applicable standard for iron (dissolved mg/L). It should be noted that the total recorded depth of the well is above the documented screen interval therefore, the pump could not be placed at the mid screen depth to collect samples. Water level stabilization was not achieved during sample collection and the purged water was noted to have a rust color. CC&V hypothesizes that the water within the casing of GVMW-15A may be semi-stagnant and low-flow sampling results in dewatering of the well. Additionally, CC&V purged approximately 105 gallons from the well following the collection of samples in February 2024 and the depth to water has returned to a similar elevation in March 2024 as compared to February 2024 (prior to pumping). This indicates that the well is recharging to an extent. These factors should be taken into consideration when interpreting the results from GVMW-15A.

A sample was collected from GVMW-4A during the March 2024 sampling event, but stabilization of parameters was not achieved during the low-flow collection process after 35 minutes of purging. It should be noted that the total recorded depth of the well is above the screen interval therefore, 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 better evaluate water quality at this location. Additionally, CC&V purged approximately forty

Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

gallons of water from the well post sample collection and the water level dropped to 58.4 feet below top of casing (BTOC). During the April 2024 sampling event it was noted that the depth to water has returned to similar elevations in April 2024 as compared to March 2024 (prior to pumping). This indicates that the well is recharging, to an extent. These factors should be taken into consideration when interpreting the results from GVMW-4A.

Other exceedance noted during the monitoring period occurred at GVMW-8B and GVMW-22A for fluoride concentrations. Fluoride concentrations in these wells are consistent with well documented regional background fluoride concentrations in groundwater.

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

Sincerely,

DocuSigned by:
Katie Blake
5A3D013B629844B...

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

EC: P. Lennberg
M. Cunningham
K. Blake
J. Gonzalez
J. Adams
A. Matarrese

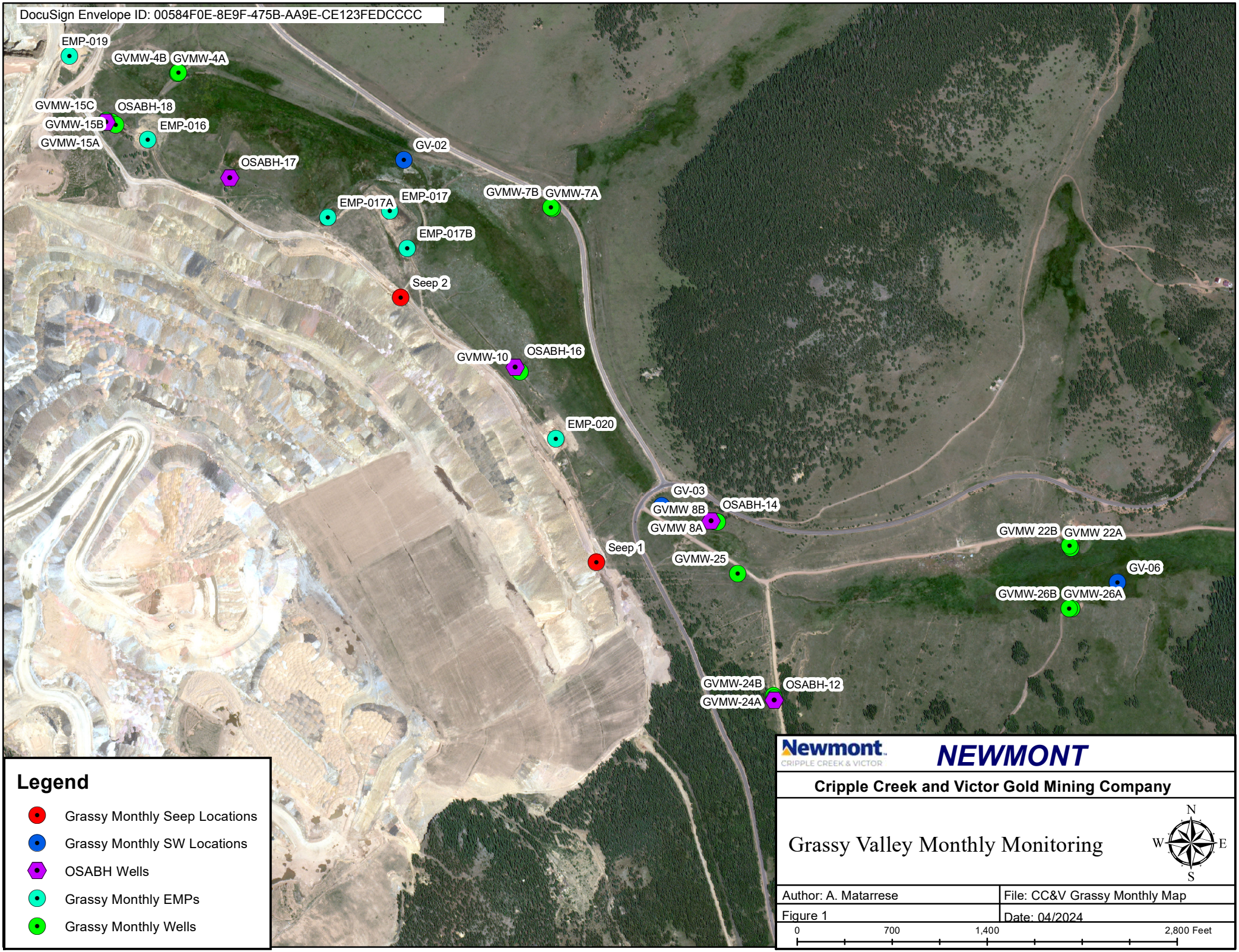
File: *"C:\Users\19012214\Newmont USA Limited\CC&V – S&ER Environmental - Environmental Compliance\Water\DRMS\Grassy Monthly\2024|3 – March 2024\Final"*

Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

Figures



Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

Tables

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

Monitoring Location	Date Monitored	Status
GVMW-4A	3/28/2024	Sampled
GVMW-4B	NA	P&A
GVMW-7A	3/12/2024	Sampled
GVMW-7B	3/26/2024	Sampled
GVMW-8A	3/26/2024	Sampled
GVMW-8B	3/27/2024	Sampled
GVMW-10	3/25/2024	NS-IW
GVMW-15A	3/20/2024	Sampled
GVMW-15B	3/6/2024	Sampled
GVMW-15C	3/13/2024	dry at 440' bgs.
GVMW-22A	3/12/2024	Sampled
GVMW-22B	3/20/2024	Sampled
GVMW-24A	3/28/2024	Not sampled, sediment laden water preventing pumping of the well. The well is scheduled to be re-developed and evaluated.
GVMW-24B	3/6/2024	dry at 100' BTOC
GVMW-25	3/6/2024	Sampled
GMVW-26A	3/20/2024	Sampled
GVMW-26B	3/20/2024	Sampled
OSABH-17	3/26/2024	Sampled
Ecosa Seep-1	3/4/2024	Frozen; no sample collected
Ecosa Seep-2	3/4/2024	Frozen; no sample collected
GV-02	3/4/2024	Dry
GV-03	3/4/2024	Dry
GV-06	3/4/2024 - 3/28/2024	Frozen no flowing water; no sample collected
EMP-016	3/4/2024	No standing water, location full of snow
EMP-017	3/4/2024	No standing water, location full of snow
EMP-017A	3/4/2024	No standing water, location full of snow
EMP-17B	3/4/2024	No standing water, location full of snow
EMP-020	3/4/2024	No standing water, location full of snow

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 - March 2024
Cripple Creek and Victor Gold Mining Company

ANALYTE	Reg 41 TVS	Site Wide NPL	UNIT	Well I.D.	GVMW-4A	GVMW-7A	GVMW-7B	GVMW-8A*	GVMW-8B	GVMW-15A	GVMW-15B	GVMW-22A	GVMW-22B	GVMW-25	GMVW-26A	GVMW-26B	OSABH-17
				Sample Date	3/28/2024	3/12/2024	3/26/2024	3/26/2024	3/27/2024	3/20/2024	3/6/2024	3/12/2024	3/20/2024	3/6/2024	3/20/2024	3/20/2024	3/26/2024
Aluminium - Dissolved	5	**7**	mg/L		<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	1.08	<0.080	<0.080	**298**	<0.080	<0.080	**4,030**
Ammonia	NA	NA	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.04	<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	**<0.250**
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	**0.165**	<0.00100	<0.00100	**<0.250**
Barium - Dissolved	**2**	NA	mg/L		0.139	0.154	0.0506	<0.0020	0.0058	0.059	0.0132	0.106	0.0514	0.0138	0.192	0.112	<0.0200
Beryllium - Dissolved	**0.004**	NA	mg/L		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.0639**	<0.00200	<0.00200	**0.247**	<0.00200	<0.00200	**0.641**
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	<0.0400	<0.400
Cadmium - Dissolved	**0.005**	**0.005**	mg/L		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0032	<0.0020	<0.0020	**0.713**	<0.0020	<0.0020	**8.05**
Chloride - Total	**250**	NA	mg/L		6.85	5.20	72.8	64.7	47.6	1.4	0.63	4.19	7.91	27.4	1.25	1.87	43.9
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	0.0378	<0.0060	<0.0060	**0.803**
Cobalt - Dissolved	**0.05**	NA	mg/L		<0.0060	<0.0060	0.0074	<0.0060	<0.0060	0.0254	**0.108**	<0.0060	<0.0060	**0.793**	0.0068	0.0068	**19**
Copper - Dissolved	**0.2**	**0.2**	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	0.0546	<0.0100	<0.0100	<0.0100	<0.0100	**1.03**	<0.0100	<0.0100	**17.4**
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	<0.0100
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	0.0276
Cyanide - WAD	NA	**0.2**	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	<0.0100
Fluoride - Total F	**2**	**2**	mg/L		0.132	0.96	0.398	1.88	**2.14**	0.289	0.704	**2.19**	0.383	**45**	1.87	0.229	**622**
Iron - Dissolved	0.3	**14**	mg/L		2.7	1.12	<0.100	<0.100	<0.100	**34.2**	**31.3**	<0.100	<0.100	0.332	<0.100	<0.100	**277**
Lead - Dissolved	**0.05**	NA	mg/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	**0.072**	<0.0075	<0.0075	0.0164	<0.0075	<0.0075	<0.0750
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	0.143	<0.040	<0.040	**2.82**
Manganese - Dissolved	0.05	**3**	mg/L		1.14	0.215	0.104	<0.0080	<0.0080	1.85	1.95	<0.0080	<0.0080	**106**	0.015	0.0117	**1,230**
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
Molybdenum - Dissolved	**0.21**	NA	mg/L		<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0098	<0.0080	<0.0080	<0.0080	<0.0080	<0.0800
Nickel - Dissolved	**0.1**	NA	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0642	**0.215**	<0.0100	<0.0100	**1.29**	<0.0100	<0.0100	15.9
Nitrate as Nitrogen	**10**	**10**	mg/L		0.21	<0.050	0.378	1.15	2.03	<0.050	<0.050	<0.050	0.5	<0.250	<0.050	0.627	2.83
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		0.241	<0.100	0.378	1.15	2.03	<0.100	<0.100	<0.100	0.5	<0.500	<0.100	0.627	<5.00
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	<0.250	<0.050	<0.050	**<2.50**
pH Field	6.5-8.5	**6.0-8.5**	pH units		7.28	7.47	7.49	6.65	6.30	6.52	**4.1**	7.84	6.64	**3.7**	7.86	6.6	**2.8**
Selenium - Dissolved	0.02	**0.024**	mg/L		<0.00100	<0.00100	0.00132	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.0117	<0.00100	<0.00100	**<0.250**
Silver - Dissolved	**0.05**	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
Sodium - Dissolved	NA	NA	mg/L		10.20	8.9	13.3	24.8	25.1	11.4	13.7	36.5	21.8	41.8	30.4	9.75	13
Sulfate - Total	**250**	NA	mg/L		46.4	17.6	151	60.6	91	178	**413**	35.4	93	**4,830**	13	21.9	**32,100**
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	<0.00200	<0.000200	<0.000200	**<0.0500**
Total Dissolved Solids	NA	NA	mg/L		181	203	693	291	320	307	585	233	237	6,040	208	79	42,300
Uranium - Dissolved	**0.03**	NA	mg/L		<0.000100	0.00379	0.0246	0.00490	0.00297	<0.000100	0.00962	0.00349	0.000948	**0.874**	0.0033	<0.000100	**13.9**
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	<0.0500
Zinc - Dissolved	**2**	**2**	mg/L		<0.0100	<0.0100	0.0188	<0.0100	<0.0100	0.0748	1.85	<0.0100	<0.0100	**29.1**	<0.0100	<0.0100	**341**

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 - exceeds applicable standard
< - less than
mg/L - miligrams per liter
NPL - Numeric Protection Limit
NS- Not sampled
TVS - table value standard

Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

Attachment 1

Laboratory Analytical Data

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

Client Sample ID: **GVMW-15 B**
SVL Sample ID: **X4C0092-01 (Ground Water)**

Sampled: 06-Mar-24 11:24
Received: 07-Mar-24
Sampled By: PB

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**	65.3	mg/L	0.100	0.069		X411213	SMU	03/19/24 16:38	
EPA 200.7	**Magnesium**	35.6	mg/L	0.500	0.090		X411213	SMU	03/19/24 16:38	
EPA 200.7	**Potassium**	2.47	mg/L	0.50	0.18		X411213	SMU	03/19/24 16:38	
sm 2340B	**Hardness (as CaCO3)**	305	mg/L	2.31	0.543		N/A		03/21/24 13:45	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	1.08	mg/L	0.080	0.054		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Barium**	0.0132	mg/L	0.0020	0.0019		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Beryllium**	0.0639	mg/L	0.00200	0.00080		X411026	NMS	03/21/24 13:45	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Cadmium**	0.0032	mg/L	0.0020	0.0016		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Calcium**	63.6	mg/L	0.100	0.069		X411026	NMS	03/21/24 13:45	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Cobalt**	0.108	mg/L	0.0060	0.0046		X411026	NMS	03/21/24 13:45	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Iron**	31.3	mg/L	0.100	0.056		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Lead**	0.0720	mg/L	0.0075	0.0049		X411026	NMS	03/21/24 13:45	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Magnesium**	32.6	mg/L	0.500	0.090		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Manganese**	1.95	mg/L	0.0080	0.0034		X411026	NMS	03/21/24 13:45	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Nickel**	0.215	mg/L	0.0100	0.0048		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Potassium**	2.49	mg/L	0.50	0.18		X411026	NMS	03/21/24 13:45	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Sodium**	13.7	mg/L	0.50	0.12		X411026	NMS	03/21/24 13:45	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X411026	NMS	03/21/24 13:45	
EPA 200.7	**Zinc**	1.85	mg/L	0.0100	0.0054		X411026	NMS	03/21/24 13:45	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X410268	SMU	03/18/24 18:15	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X410268	SMU	03/18/24 18:15	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X410268	SMU	03/18/24 18:15	M1
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X410268	SMU	03/19/24 10:25	
EPA 200.8	**Uranium**	0.00962	mg/L	0.000100	0.000052		X410268	SMU	03/18/24 18:15	M1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X411180	MAC	03/15/24 13:56	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X411005	DD	03/12/24 12:43	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X411099	DD	03/14/24 10:17	
EPA 350.1	**Ammonia as N**	0.040	mg/L	0.030	0.013		X411070	DD	03/13/24 13:10	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X412008	DD	03/20/24 10:42	
SM 2310 B	**Acidity to pH 8.3**	79.0	mg/L as CaCO3	10.0			X412064	MWD	03/19/24 08:55	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:39	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:39	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:39	
SM 2540 C	**Total Diss. Solids**	585	mg/L	10			X410237	TJL	03/12/24 15:10	
SM 2540 D	**Total Susp. Solids**	8.0	mg/L	5.0			X410239	TJL	03/12/24 17:00	
SM 4500 H B	**pH @19.4°C**	3.8	pH Units				X410252	MWD	03/11/24 14:39	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

Client Sample ID: **GVMW-15 B**
SVL Sample ID: **X4C0092-01 (Ground Water)**

Sampled: 06-Mar-24 11:24
Received: 07-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.63	mg/L	0.20	0.02		X410194	KAG	03/07/24 14:16	
EPA 300.0	**Fluoride**	0.704	mg/L	0.100	0.017		X410194	KAG	03/07/24 14:16	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X410194	KAG	03/07/24 14:16	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X410194	KAG	03/07/24 14:16	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X410194	KAG	03/07/24 14:16	
EPA 300.0	**Sulfate as SO4**	413	mg/L	3.00	1.80	10	X410194	KAG	03/07/24 14:34	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 8.10 meq/L Anion Sum: 8.68 meq/L C/A Balance: -3.46 % Calculated TDS: 529 TDS/cTDS: 1.11

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4C0092-03 (Ground Water)**

Sampled: 06-Mar-24 12:56
Received: 07-Mar-24
Sampled By: PB

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**	435	mg/L	1.00	0.690	10	X411213	SMU	03/19/24 17:50	D2
EPA 200.7	**Magnesium**	290	mg/L	0.500	0.090		X411213	SMU	03/19/24 16:45	
EPA 200.7	**Potassium**	8.27	mg/L	0.50	0.18		X411213	SMU	03/19/24 16:45	
sm 2340B	**Hardness (as CaCO3)**	2280	mg/L	4.56	2.09		N/A		03/21/24 13:52	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	298	mg/L	0.080	0.054		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Barium**	0.0138	mg/L	0.0020	0.0019		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Beryllium**	0.247	mg/L	0.00200	0.00080		X411026	NMS	03/21/24 13:52	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Cadmium**	0.713	mg/L	0.0020	0.0016		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Calcium**	441	mg/L	0.100	0.069		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Chromium**	0.0378	mg/L	0.0060	0.0020		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Cobalt**	0.793	mg/L	0.0060	0.0046		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Copper**	1.03	mg/L	0.0100	0.0027		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Iron**	0.332	mg/L	0.100	0.056		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Lead**	0.0164	mg/L	0.0075	0.0049		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Lithium**	0.143	mg/L	0.040	0.025		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Magnesium**	266	mg/L	0.500	0.090		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Manganese**	106	mg/L	0.0800	0.0340	10	X411026	NMS	03/21/24 15:05	D2
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Nickel**	1.29	mg/L	0.0100	0.0048		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Potassium**	8.16	mg/L	0.50	0.18		X411026	NMS	03/21/24 13:52	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Sodium**	41.8	mg/L	0.50	0.12		X411026	NMS	03/21/24 13:52	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X411026	NMS	03/21/24 13:52	
EPA 200.7	**Zinc**	29.1	mg/L	0.100	0.0540	10	X411026	NMS	03/21/24 15:05	D2
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X410268	SMU	03/18/24 18:28	
EPA 200.8	**Arsenic**	0.165	mg/L	0.00100	0.00021		X410268	SMU	03/18/24 18:28	
EPA 200.8	**Selenium**	0.0117	mg/L	0.00100	0.00024		X410268	SMU	03/18/24 18:28	
EPA 200.8	Thallium	< 0.00200	mg/L	0.00200	0.000800	10	X410268	SMU	03/19/24 10:35	D1
EPA 200.8	**Uranium**	0.874	mg/L	0.00100	0.000520	10	X410268	SMU	03/19/24 10:35	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X411180	MAC	03/15/24 14:01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X411005	DD	03/12/24 12:53	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X411099	DD	03/14/24 10:22	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X411070	DD	03/13/24 13:14	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X412008	DD	03/20/24 10:45	
SM 2310 B	**Acidity to pH 8.3**	2310	mg/L as CaCO3	10.0			X412064	MWD	03/19/24 08:55	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:50	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:50	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:50	
SM 2540 C	**Total Diss. Solids**	6040	mg/L	40			X410237	TJL	03/12/24 15:10	D2
SM 2540 D	**Total Susp. Solids**	14.0	mg/L	5.0			X410239	TJL	03/12/24 17:00	
SM 4500 H B	**pH @19.2°C**	4.1	pH Units				X410252	MWD	03/11/24 14:50	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4C0092-03 (Ground Water)**

Sampled: 06-Mar-24 12:56
Received: 07-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	27.4	mg/L	1.00	0.11	5	X410194	KAG	03/07/24 16:06	D2
EPA 300.0	**Fluoride**	45.0	mg/L	10.0	1.70	100	X410194	KAG	03/07/24 16:24	
EPA 300.0	Nitrate as N	< 0.250	mg/L	0.250	0.065	5	X410194	KAG	03/07/24 16:06	D1
EPA 300.0	Nitrate+Nitrite as N	< 0.500	mg/L	0.500	0.220	5	X410194	KAG	03/07/24 16:06	D1
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X410194	KAG	03/07/24 16:06	D1
EPA 300.0	**Sulfate as SO4**	4830	mg/L	75.0	45.0	250	X410194	KAG	03/08/24 11:36	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 91.8 meq/L Anion Sum: 104 meq/L C/A Balance: -6.09 % Calculated TDS: 5668 TDS/cTDS: 1.07

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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	X411213	19-Mar-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X411213	19-Mar-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X411213	19-Mar-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X411026	21-Mar-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X411026	21-Mar-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X411026	21-Mar-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X411026	21-Mar-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X411026	21-Mar-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X411026	21-Mar-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X411026	21-Mar-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X411026	21-Mar-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X411026	21-Mar-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X411026	21-Mar-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X411026	21-Mar-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X411026	21-Mar-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X411026	21-Mar-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X411026	21-Mar-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X411026	21-Mar-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X411026	21-Mar-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X411026	21-Mar-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X411026	21-Mar-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X411026	21-Mar-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X411026	21-Mar-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X411026	21-Mar-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X410268	18-Mar-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X410268	18-Mar-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X410268	18-Mar-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X410268	19-Mar-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X410268	18-Mar-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X411180	15-Mar-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X411005	12-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X411099	14-Mar-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X411070	13-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X412008	20-Mar-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X412064	19-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X410252	11-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X410252	11-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X410252	11-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X410252	11-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X410237	12-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X410239	12-Mar-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X410194	07-Mar-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X410194	07-Mar-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X410194	07-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X410194	07-Mar-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X410194	07-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X410194	07-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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	X411213	19-Mar-24	
EPA 200.7	Magnesium	mg/L	19.9	20.0	99.6	85 - 115	X411213	19-Mar-24	
EPA 200.7	Potassium	mg/L	18.8	20.0	94.1	85 - 115	X411213	19-Mar-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.952	1.00	95.2	85 - 115	X411026	21-Mar-24	
EPA 200.7	Barium	mg/L	0.911	1.00	91.1	85 - 115	X411026	21-Mar-24	
EPA 200.7	Beryllium	mg/L	1.05	1.00	105	85 - 115	X411026	21-Mar-24	
EPA 200.7	Boron	mg/L	0.960	1.00	96.0	85 - 115	X411026	21-Mar-24	
EPA 200.7	Cadmium	mg/L	0.972	1.00	97.2	85 - 115	X411026	21-Mar-24	
EPA 200.7	Calcium	mg/L	19.4	20.0	97.0	85 - 115	X411026	21-Mar-24	
EPA 200.7	Chromium	mg/L	0.966	1.00	96.6	85 - 115	X411026	21-Mar-24	
EPA 200.7	Cobalt	mg/L	0.955	1.00	95.5	85 - 115	X411026	21-Mar-24	
EPA 200.7	Copper	mg/L	0.959	1.00	95.9	85 - 115	X411026	21-Mar-24	
EPA 200.7	Iron	mg/L	9.84	10.0	98.4	85 - 115	X411026	21-Mar-24	
EPA 200.7	Lead	mg/L	0.967	1.00	96.7	85 - 115	X411026	21-Mar-24	
EPA 200.7	Lithium	mg/L	0.965	1.00	96.5	85 - 115	X411026	21-Mar-24	
EPA 200.7	Magnesium	mg/L	18.6	20.0	92.9	85 - 115	X411026	21-Mar-24	
EPA 200.7	Manganese	mg/L	0.978	1.00	97.8	85 - 115	X411026	21-Mar-24	
EPA 200.7	Molybdenum	mg/L	0.979	1.00	97.9	85 - 115	X411026	21-Mar-24	
EPA 200.7	Nickel	mg/L	0.960	1.00	96.0	85 - 115	X411026	21-Mar-24	
EPA 200.7	Potassium	mg/L	19.8	20.0	98.8	85 - 115	X411026	21-Mar-24	
EPA 200.7	Silver	mg/L	0.0482	0.0500	96.3	85 - 115	X411026	21-Mar-24	
EPA 200.7	Sodium	mg/L	18.2	19.0	95.8	85 - 115	X411026	21-Mar-24	
EPA 200.7	Vanadium	mg/L	0.986	1.00	98.6	85 - 115	X411026	21-Mar-24	
EPA 200.7	Zinc	mg/L	0.970	1.00	97.0	85 - 115	X411026	21-Mar-24	
EPA 200.8	Antimony	mg/L	0.0254	0.0250	101	85 - 115	X410268	18-Mar-24	
EPA 200.8	Arsenic	mg/L	0.0244	0.0250	97.8	85 - 115	X410268	18-Mar-24	
EPA 200.8	Selenium	mg/L	0.0245	0.0250	98.1	85 - 115	X410268	18-Mar-24	
EPA 200.8	Thallium	mg/L	0.0254	0.0250	102	85 - 115	X410268	19-Mar-24	
EPA 200.8	Uranium	mg/L	0.0265	0.0250	106	85 - 115	X410268	18-Mar-24	M1
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00193	0.00200	96.7	85 - 115	X411180	15-Mar-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0910	0.100	91.0	90 - 110	X411005	12-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X411099	14-Mar-24	
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X411070	13-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0940	0.100	94.0	90 - 110	X412008	20-Mar-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1660	1640	101	95.4 - 104	X412064	19-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	96.4 - 105	X410252	11-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.4	99.3	99.1	96.4 - 105	X410252	11-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X410239	12-Mar-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.04	3.00	101	90 - 110	X410194	07-Mar-24	
EPA 300.0	Fluoride	mg/L	2.00	2.00	100	90 - 110	X410194	07-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.03	2.00	101	90 - 110	X410194	07-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	4.50	101	90 - 110	X410194	07-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X410194	07-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X410194	07-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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 CaCO3	79.0	79.0	0.0	20	X412064 - X4C0092-01	19-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X410252 - X4C0092-02	11-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X410252 - X4C0092-02	11-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X410252 - X4C0092-02	11-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X410252 - X4C0092-02	11-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	288	301	4.4	10	X410237 - X4C0106-01	12-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	573	608	5.9	10	X410237 - X4C0092-02	12-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X410239 - X4C0092-02	12-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	6.0	UDL	10	X410239 - X4C0106-01	12-Mar-24	
SM 4500 H B	pH @19.4°C	pH Units	3.4	3.6	5.7	20	X410252 - X4C0092-02	11-Mar-24	R2B

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	44.5	25.6	20.0	95	70 - 130	X411213 - X4C0091-01	19-Mar-24	
EPA 200.7	Calcium	mg/L	72.3	52.2	20.0	100	70 - 130	X411213 - X4C0129-02	19-Mar-24	
EPA 200.7	Magnesium	mg/L	33.3	13.3	20.0	100	70 - 130	X411213 - X4C0091-01	19-Mar-24	
EPA 200.7	Magnesium	mg/L	33.8	13.5	20.0	101	70 - 130	X411213 - X4C0129-02	19-Mar-24	
EPA 200.7	Potassium	mg/L	23.3	4.32	20.0	94.7	70 - 130	X411213 - X4C0091-01	19-Mar-24	
EPA 200.7	Potassium	mg/L	20.6	1.25	20.0	96.5	70 - 130	X411213 - X4C0129-02	19-Mar-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.06	1.08	1.00	97.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Aluminum	mg/L	113	115	1.00	0.30R>S	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Barium	mg/L	0.934	0.0132	1.00	92.0	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Barium	mg/L	0.936	<0.200	1.00	93.6	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Beryllium	mg/L	1.09	0.0639	1.00	102	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Beryllium	mg/L	1.13	<0.200	1.00	113	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Boron	mg/L	0.988	<0.0400	1.00	97.2	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Boron	mg/L	<4.00	<4.00	1.00	104	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Cadmium	mg/L	0.972	0.0032	1.00	96.9	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Cadmium	mg/L	1.03	<0.200	1.00	103	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Calcium	mg/L	82.8	63.6	20.0	95.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Calcium	mg/L	491	475	20.0	81.9	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Chromium	mg/L	0.958	<0.0060	1.00	95.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Chromium	mg/L	0.921	<0.600	1.00	92.1	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Cobalt	mg/L	1.05	0.108	1.00	94.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Cobalt	mg/L	2.36	1.39	1.00	97.1	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Copper	mg/L	0.978	<0.0100	1.00	97.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Copper	mg/L	293	302	1.00	0.30R>S	70 - 130	X411026 - X4C0124-04	21-Mar-24	D2,M4
EPA 200.7	Iron	mg/L	40.7	31.3	10.0	94.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Iron	mg/L	<10.0	<10.0	10.0	99.7	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Lead	mg/L	1.03	0.0720	1.00	96.1	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Lead	mg/L	1.20	<0.750	1.00	120	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	97.9	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Lithium	mg/L	<4.00	<4.00	1.00	N/A	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Magnesium	mg/L	52.7	32.6	20.0	101	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Magnesium	mg/L	250	251	20.0	0.30R>S	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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	2.88	1.95	1.00	93.9	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Manganese	mg/L	73.6	73.3	1.00	0.30R>S	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Molybdenum	mg/L	0.972	<0.0080	1.00	97.2	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Molybdenum	mg/L	1.06	<0.800	1.00	106	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Nickel	mg/L	1.16	0.215	1.00	94.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Nickel	mg/L	1.42	<1.00	1.00	142	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Potassium	mg/L	22.4	2.49	20.0	99.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Potassium	mg/L	<50.0	<50.0	20.0	173	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Silver	mg/L	0.0472	<0.0050	0.0500	94.4	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Silver	mg/L	<0.500	<0.500	0.0500	N/A	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Sodium	mg/L	32.3	13.7	19.0	97.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Sodium	mg/L	<50.0	<50.0	19.0	55.6	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Vanadium	mg/L	0.983	<0.0050	1.00	98.3	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Vanadium	mg/L	1.10	<0.500	1.00	110	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Zinc	mg/L	2.74	1.85	1.00	89.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Zinc	mg/L	9.95	9.15	1.00	79.1	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.8	Antimony	mg/L	0.0283	<0.00100	0.0250	113	70 - 130	X410268 - X4C0092-01	18-Mar-24	
EPA 200.8	Antimony	mg/L	0.0309	0.00152	0.0250	117	70 - 130	X410268 - X4C0119-01	18-Mar-24	
EPA 200.8	Arsenic	mg/L	0.0297	<0.00100	0.0250	117	70 - 130	X410268 - X4C0092-01	18-Mar-24	
EPA 200.8	Arsenic	mg/L	0.0392	0.00705	0.0250	129	70 - 130	X410268 - X4C0119-01	18-Mar-24	
EPA 200.8	Selenium	mg/L	0.0299	<0.00100	0.0250	120	70 - 130	X410268 - X4C0092-01	18-Mar-24	
EPA 200.8	Selenium	mg/L	0.0355	<0.00100	0.0250	142	70 - 130	X410268 - X4C0119-01	18-Mar-24	M1
EPA 200.8	Thallium	mg/L	0.0248	<0.000200	0.0250	99.1	70 - 130	X410268 - X4C0092-01	19-Mar-24	
EPA 200.8	Thallium	mg/L	0.0238	<0.000200	0.0250	95.3	70 - 130	X410268 - X4C0119-01	19-Mar-24	
EPA 200.8	Uranium	mg/L	0.0446	0.00962	0.0250	140	70 - 130	X410268 - X4C0092-01	18-Mar-24	M1
EPA 200.8	Uranium	mg/L	0.0382	0.000237	0.0250	152	70 - 130	X410268 - X4C0119-01	18-Mar-24	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	<0.000200	0.00200	101	70 - 130	X411180 - X4C0051-01	15-Mar-24	
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X411180 - X4C0092-04	15-Mar-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.105	<0.0050	0.100	105	79 - 121	X411005 - X4C0028-04	12-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	<0.0050	0.100	103	90 - 110	X411099 - X4C0061-01	14-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	0.0976	<0.0050	0.100	97.6	90 - 110	X411099 - X4C0092-01	14-Mar-24	
EPA 350.1	Ammonia as N	mg/L	1.09	<0.030	1.00	109	90 - 110	X411070 - X4C0127-01	13-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0950	<0.0050	0.100	94.0	82 - 118	X412008 - X4C0061-01	20-Mar-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.17	<0.20	3.00	102	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Fluoride	mg/L	2.05	<0.100	2.00	101	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.11	<0.100	4.00	103	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.07	<0.050	2.00	104	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	10.6	<0.30	10.0	104	90 - 110	X410194 - X4C0092-04	07-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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	45.1	44.5	20.0	1.0	20	97	X411213 - X4C0091-01	
EPA 200.7	Magnesium	mg/L	33.3	33.3	20.0	0.2	20	100	X411213 - X4C0091-01	
EPA 200.7	Potassium	mg/L	23.6	23.3	20.0	1.2	20	96.1	X411213 - X4C0091-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.03	2.06	1.00	1.6	20	94.3	X411026 - X4C0092-01	
EPA 200.7	Barium	mg/L	0.913	0.934	1.00	2.2	20	90.0	X411026 - X4C0092-01	
EPA 200.7	Beryllium	mg/L	1.08	1.09	1.00	0.3	20	102	X411026 - X4C0092-01	
EPA 200.7	Boron	mg/L	0.965	0.988	1.00	2.3	20	95.0	X411026 - X4C0092-01	
EPA 200.7	Cadmium	mg/L	0.943	0.972	1.00	3.0	20	94.0	X411026 - X4C0092-01	
EPA 200.7	Calcium	mg/L	82.4	82.8	20.0	0.4	20	94.3	X411026 - X4C0092-01	
EPA 200.7	Chromium	mg/L	0.937	0.958	1.00	2.3	20	93.7	X411026 - X4C0092-01	
EPA 200.7	Cobalt	mg/L	1.02	1.05	1.00	2.8	20	91.7	X411026 - X4C0092-01	
EPA 200.7	Copper	mg/L	0.959	0.978	1.00	1.9	20	95.9	X411026 - X4C0092-01	
EPA 200.7	Iron	mg/L	40.5	40.7	10.0	0.5	20	92.4	X411026 - X4C0092-01	
EPA 200.7	Lead	mg/L	1.00	1.03	1.00	2.9	20	93.1	X411026 - X4C0092-01	
EPA 200.7	Lithium	mg/L	0.990	1.01	1.00	2.3	20	95.6	X411026 - X4C0092-01	
EPA 200.7	Magnesium	mg/L	51.0	52.7	20.0	3.2	20	92.4	X411026 - X4C0092-01	
EPA 200.7	Manganese	mg/L	2.85	2.88	1.00	1.2	20	90.5	X411026 - X4C0092-01	
EPA 200.7	Molybdenum	mg/L	0.951	0.972	1.00	2.2	20	95.1	X411026 - X4C0092-01	
EPA 200.7	Nickel	mg/L	1.13	1.16	1.00	2.9	20	91.3	X411026 - X4C0092-01	
EPA 200.7	Potassium	mg/L	22.1	22.4	20.0	1.4	20	98.2	X411026 - X4C0092-01	
EPA 200.7	Silver	mg/L	0.0460	0.0472	0.0500	2.6	20	92.0	X411026 - X4C0092-01	
EPA 200.7	Sodium	mg/L	31.9	32.3	19.0	1.1	20	95.9	X411026 - X4C0092-01	
EPA 200.7	Vanadium	mg/L	0.961	0.983	1.00	2.2	20	96.1	X411026 - X4C0092-01	
EPA 200.7	Zinc	mg/L	2.67	2.74	1.00	2.8	20	82.1	X411026 - X4C0092-01	
EPA 200.8	Antimony	mg/L	0.0268	0.0283	0.0250	5.6	20	107	X410268 - X4C0092-01	
EPA 200.8	Arsenic	mg/L	0.0282	0.0297	0.0250	5.3	20	111	X410268 - X4C0092-01	
EPA 200.8	Selenium	mg/L	0.0284	0.0299	0.0250	5.0	20	114	X410268 - X4C0092-01	
EPA 200.8	Thallium	mg/L	0.0250	0.0248	0.0250	0.9	20	100	X410268 - X4C0092-01	
EPA 200.8	Uranium	mg/L	0.0426	0.0446	0.0250	4.5	20	132	X410268 - X4C0092-01	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00197	0.00202	0.00200	2.8	20	98.3	X411180 - X4C0051-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.107	0.105	0.100	1.9	11	107	X411005 - X4C0028-04	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.103	0.100	1.4	20	102	X411099 - X4C0061-01	
EPA 350.1	Ammonia as N	mg/L	1.09	1.09	1.00	0.6	20	109	X411070 - X4C0127-01	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.0950	0.100	8.1	11	102	X412008 - X4C0061-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.19	3.17	3.00	0.5	20	103	X410194 - X4C0092-04	
EPA 300.0	Fluoride	mg/L	2.07	2.05	2.00	0.7	20	102	X410194 - X4C0092-04	
EPA 300.0	Nitrate as N	mg/L	2.05	2.04	2.00	0.6	20	103	X410194 - X4C0092-04	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.13	4.11	4.00	0.4	20	103	X410194 - X4C0092-04	
EPA 300.0	Nitrite as N	mg/L	2.08	2.07	2.00	0.3	20	104	X410194 - X4C0092-04	
EPA 300.0	Sulfate as SO4	mg/L	10.8	10.6	10.0	1.1	20	106	X410194 - X4C0092-04	

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0092**
Victor, CO 80860	Reported: 22-Mar-24 10:56

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
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.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
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

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0180**
Victor, CO 80860	Reported: 28-Mar-24 09:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-7A	X4C0180-01	Ground Water	12-Mar-24 13:50	PB	13-Mar-2024	
GVMW-22A	X4C0180-02	Ground Water	12-Mar-24 14:49	PB	13-Mar-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.

Case Narrative: X4C0180

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4C0180**
Reported: 28-Mar-24 09:21

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4C0180-01 (Ground Water)**

Sampled: 12-Mar-24 13:50
Received: 13-Mar-24
Sampled By: PB

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**	36.7	mg/L	0.100	0.069		X412175	NMS	03/26/24 09:28	
EPA 200.7	**Magnesium**	16.4	mg/L	0.500	0.090		X412175	NMS	03/26/24 09:28	
EPA 200.7	**Potassium**	0.88	mg/L	0.50	0.18		X412175	NMS	03/26/24 09:28	
SM 2340 B	**Hardness (as CaCO3)**	159	mg/L	2.31	0.543		N/A		03/26/24 10:47	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X412126	NMS	03/26/24 10:47	
EPA 200.7	**Barium**	0.154	mg/L	0.0020	0.0019		X412126	NMS	03/26/24 10:47	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X412126	NMS	03/26/24 10:47	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X412126	NMS	03/26/24 10:47	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X412126	NMS	03/26/24 10:47	
EPA 200.7	**Calcium**	35.1	mg/L	0.100	0.069		X412126	NMS	03/26/24 10:47	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X412126	NMS	03/26/24 10:47	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X412126	NMS	03/26/24 10:47	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X412126	NMS	03/26/24 10:47	
EPA 200.7	**Iron**	1.12	mg/L	0.100	0.056		X412126	NMS	03/26/24 10:47	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X412126	NMS	03/26/24 10:47	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X412126	NMS	03/26/24 10:47	
EPA 200.7	**Magnesium**	16.7	mg/L	0.500	0.090		X412126	NMS	03/26/24 10:47	
EPA 200.7	**Manganese**	0.215	mg/L	0.0080	0.0034		X412126	NMS	03/26/24 10:47	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X412126	NMS	03/26/24 10:47	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X412126	NMS	03/26/24 10:47	
EPA 200.7	**Potassium**	0.92	mg/L	0.50	0.18		X412126	NMS	03/26/24 10:47	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X412126	NMS	03/26/24 10:47	
EPA 200.7	**Sodium**	8.90	mg/L	0.50	0.12		X412126	NMS	03/26/24 10:47	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X412126	NMS	03/26/24 10:47	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X412126	NMS	03/26/24 10:47	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X412059	SMU	03/25/24 15:11	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X412059	SMU	03/25/24 15:11	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X412059	SMU	03/25/24 15:11	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X412059	SMU	03/25/24 15:11	
EPA 200.8	**Uranium**	0.00379	mg/L	0.000100	0.000052		X412059	SMU	03/25/24 15:11	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X413001	MAC	03/25/24 15:19	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X412010	DD	03/21/24 14:00	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X411155	DD	03/14/24 14:49	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X412042	DD	03/20/24 10:18	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X412008	DD	03/20/24 10:49	
SM 2310 B	**Acidity to pH 8.3**	-158	mg/L as CaCO3	10.0			X413007	MWD	03/25/24 08:55	
SM 2320 B	**Total Alkalinity**	155	mg/L as CaCO3	1.0			X412017	MWD	03/18/24 13:45	
SM 2320 B	**Bicarbonate**	155	mg/L as CaCO3	1.0			X412017	MWD	03/18/24 13:45	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X412017	MWD	03/18/24 13:45	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X412017	MWD	03/18/24 13:45	
SM 2540 C	**Total Diss. Solids**	203	mg/L	10			X411145	TJL	03/15/24 14:55	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X411146	TJL	03/15/24 16:35	
SM 4500 H B	**pH @22.2°C**	7.7	pH Units				X412017	MWD	03/18/24 13:45	H5,R2B

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0180**
Reported: 28-Mar-24 09:21

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4C0180-01 (Ground Water)**

Sampled: 12-Mar-24 13:50
Received: 13-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.20	mg/L	0.20	0.02		X411126	KAG	03/13/24 16:10	
EPA 300.0	**Fluoride**	0.960	mg/L	0.100	0.017		X411126	KAG	03/13/24 16:10	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X411126	KAG	03/13/24 16:10	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X411126	KAG	03/13/24 16:10	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X411126	KAG	03/13/24 16:10	
EPA 300.0	**Sulfate as SO4**	17.6	mg/L	0.30	0.18		X411126	KAG	03/13/24 16:10	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.57 meq/L Anion Sum: 3.66 meq/L C/A Balance: -1.27 % Calculated TDS: 179 TDS/cTDS: 1.13

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0180**
Reported: 28-Mar-24 09:21

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X4C0180-02 (Ground Water)**

Sampled: 12-Mar-24 14:49
Received: 13-Mar-24
Sampled By: PB

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**	30.8	mg/L	0.100	0.069		X412175	NMS	03/26/24 09:32	
EPA 200.7	**Magnesium**	12.3	mg/L	0.500	0.090		X412175	NMS	03/26/24 09:32	
EPA 200.7	**Potassium**	1.24	mg/L	0.50	0.18		X412175	NMS	03/26/24 09:32	
SM 2340 B	**Hardness (as CaCO3)**	128	mg/L	2.31	0.543		N/A		03/26/24 10:51	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X412126	NMS	03/26/24 10:51	
EPA 200.7	**Barium**	0.106	mg/L	0.0020	0.0019		X412126	NMS	03/26/24 10:51	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X412126	NMS	03/26/24 10:51	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X412126	NMS	03/26/24 10:51	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X412126	NMS	03/26/24 10:51	
EPA 200.7	**Calcium**	29.6	mg/L	0.100	0.069		X412126	NMS	03/26/24 10:51	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X412126	NMS	03/26/24 10:51	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X412126	NMS	03/26/24 10:51	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X412126	NMS	03/26/24 10:51	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X412126	NMS	03/26/24 10:51	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X412126	NMS	03/26/24 10:51	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X412126	NMS	03/26/24 10:51	
EPA 200.7	**Magnesium**	12.6	mg/L	0.500	0.090		X412126	NMS	03/26/24 10:51	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X412126	NMS	03/26/24 10:51	
EPA 200.7	**Molybdenum**	0.0098	mg/L	0.0080	0.0034		X412126	NMS	03/26/24 10:51	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X412126	NMS	03/26/24 10:51	
EPA 200.7	**Potassium**	1.20	mg/L	0.50	0.18		X412126	NMS	03/26/24 10:51	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X412126	NMS	03/26/24 10:51	
EPA 200.7	**Sodium**	36.5	mg/L	0.50	0.12		X412126	NMS	03/26/24 10:51	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X412126	NMS	03/26/24 10:51	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X412126	NMS	03/26/24 10:51	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X412059	SMU	03/25/24 15:18	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X412059	SMU	03/25/24 15:18	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X412059	SMU	03/25/24 15:18	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X412059	SMU	03/25/24 15:18	
EPA 200.8	**Uranium**	0.00349	mg/L	0.000100	0.000052		X412059	SMU	03/25/24 15:18	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X413001	MAC	03/25/24 15:21	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X412201	DD	03/21/24 15:00	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X411155	DD	03/14/24 14:52	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X412042	DD	03/20/24 10:20	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X412008	DD	03/20/24 10:51	
SM 2310 B	**Acidity to pH 8.3**	-158	mg/L as CaCO3	10.0			X413007	MWD	03/25/24 08:55	
SM 2320 B	**Total Alkalinity**	165	mg/L as CaCO3	1.0			X412017	MWD	03/18/24 13:50	
SM 2320 B	**Bicarbonate**	165	mg/L as CaCO3	1.0			X412017	MWD	03/18/24 13:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X412017	MWD	03/18/24 13:50	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X412017	MWD	03/18/24 13:50	
SM 2540 C	**Total Diss. Solids**	233	mg/L	10			X411145	TJL	03/15/24 14:55	
SM 2540 D	**Total Susp. Solids**	5.0	mg/L	5.0			X411146	TJL	03/15/24 16:35	
SM 4500 H B	**pH @22.1°C**	7.9	pH Units				X412017	MWD	03/18/24 13:50	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0180**
Reported: 28-Mar-24 09:21

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X4C0180-02 (Ground Water)**

Sampled: 12-Mar-24 14:49
Received: 13-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.19	mg/L	0.20	0.02		X411126	KAG	03/13/24 17:22	
EPA 300.0	**Fluoride**	2.19	mg/L	0.100	0.017		X411126	KAG	03/13/24 17:22	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X411126	KAG	03/13/24 17:22	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X411126	KAG	03/13/24 17:22	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X411126	KAG	03/13/24 17:22	
EPA 300.0	**Sulfate as SO4**	35.4	mg/L	0.30	0.18		X411126	KAG	03/13/24 17:22	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.12 meq/L Anion Sum: 4.27 meq/L C/A Balance: -1.77 % Calculated TDS: 221 TDS/cTDS: 1.05

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0180**
Reported: 28-Mar-24 09:21

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	X412175	26-Mar-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X412175	26-Mar-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X412175	26-Mar-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X412126	26-Mar-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X412126	26-Mar-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X412126	26-Mar-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X412126	26-Mar-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X412126	26-Mar-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X412126	26-Mar-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X412126	26-Mar-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X412126	26-Mar-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X412126	26-Mar-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X412126	26-Mar-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X412126	26-Mar-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X412126	26-Mar-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X412126	26-Mar-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X412126	26-Mar-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X412126	26-Mar-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X412126	26-Mar-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X412126	26-Mar-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X412126	26-Mar-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X412126	26-Mar-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X412126	26-Mar-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X412126	26-Mar-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X412059	25-Mar-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X412059	25-Mar-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X412059	25-Mar-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X412059	25-Mar-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X412059	25-Mar-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X413001	25-Mar-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X412010	21-Mar-24	
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X412201	21-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X411155	14-Mar-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X412042	20-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X412008	20-Mar-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X413007	25-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X412017	18-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X412017	18-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X412017	18-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X412017	18-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X411145	15-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X411146	15-Mar-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X411126	13-Mar-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X411126	13-Mar-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X411126	13-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X411126	13-Mar-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X411126	13-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X411126	13-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0180**
Reported: 28-Mar-24 09:21

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	20.2	20.0	101	85 - 115	X412175	26-Mar-24	
EPA 200.7	Magnesium	mg/L	20.4	20.0	102	85 - 115	X412175	26-Mar-24	
EPA 200.7	Potassium	mg/L	20.9	20.0	104	85 - 115	X412175	26-Mar-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.978	1.00	97.8	85 - 115	X412126	26-Mar-24	
EPA 200.7	Barium	mg/L	0.999	1.00	99.9	85 - 115	X412126	26-Mar-24	
EPA 200.7	Beryllium	mg/L	0.984	1.00	98.4	85 - 115	X412126	26-Mar-24	
EPA 200.7	Boron	mg/L	0.998	1.00	99.8	85 - 115	X412126	26-Mar-24	
EPA 200.7	Cadmium	mg/L	0.978	1.00	97.8	85 - 115	X412126	26-Mar-24	
EPA 200.7	Calcium	mg/L	20.1	20.0	101	85 - 115	X412126	26-Mar-24	
EPA 200.7	Chromium	mg/L	0.987	1.00	98.7	85 - 115	X412126	26-Mar-24	
EPA 200.7	Cobalt	mg/L	0.965	1.00	96.5	85 - 115	X412126	26-Mar-24	
EPA 200.7	Copper	mg/L	0.987	1.00	98.7	85 - 115	X412126	26-Mar-24	
EPA 200.7	Iron	mg/L	10.3	10.0	103	85 - 115	X412126	26-Mar-24	
EPA 200.7	Lead	mg/L	0.980	1.00	98.0	85 - 115	X412126	26-Mar-24	
EPA 200.7	Lithium	mg/L	0.973	1.00	97.3	85 - 115	X412126	26-Mar-24	
EPA 200.7	Magnesium	mg/L	20.2	20.0	101	85 - 115	X412126	26-Mar-24	
EPA 200.7	Manganese	mg/L	0.999	1.00	99.9	85 - 115	X412126	26-Mar-24	
EPA 200.7	Molybdenum	mg/L	0.992	1.00	99.2	85 - 115	X412126	26-Mar-24	
EPA 200.7	Nickel	mg/L	0.964	1.00	96.4	85 - 115	X412126	26-Mar-24	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.5	85 - 115	X412126	26-Mar-24	
EPA 200.7	Silver	mg/L	0.0465	0.0500	92.9	85 - 115	X412126	26-Mar-24	
EPA 200.7	Sodium	mg/L	18.9	19.0	99.4	85 - 115	X412126	26-Mar-24	
EPA 200.7	Vanadium	mg/L	1.00	1.00	100	85 - 115	X412126	26-Mar-24	
EPA 200.7	Zinc	mg/L	0.975	1.00	97.5	85 - 115	X412126	26-Mar-24	
EPA 200.8	Antimony	mg/L	0.0222	0.0250	89.0	85 - 115	X412059	25-Mar-24	
EPA 200.8	Arsenic	mg/L	0.0228	0.0250	91.3	85 - 115	X412059	25-Mar-24	
EPA 200.8	Selenium	mg/L	0.0230	0.0250	92.1	85 - 115	X412059	25-Mar-24	
EPA 200.8	Thallium	mg/L	0.0222	0.0250	88.8	85 - 115	X412059	25-Mar-24	
EPA 200.8	Uranium	mg/L	0.0225	0.0250	89.9	85 - 115	X412059	25-Mar-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00205	0.00200	103	85 - 115	X413001	25-Mar-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0920	0.100	92.0	90 - 110	X412010	21-Mar-24	
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X412201	21-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	0.0995	0.100	99.5	90 - 110	X411155	14-Mar-24	
EPA 350.1	Ammonia as N	mg/L	0.985	1.00	98.5	90 - 110	X412042	20-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0940	0.100	94.0	90 - 110	X412008	20-Mar-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1660	1640	101	95.4 - 104	X413007	25-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.90	9.93	99.7	96.4 - 105	X412017	18-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.7	99.3	99.4	96.4 - 105	X412017	18-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X411146	15-Mar-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.04	3.00	101	90 - 110	X411126	13-Mar-24	
EPA 300.0	Fluoride	mg/L	2.03	2.00	101	90 - 110	X411126	13-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.05	2.00	103	90 - 110	X411126	13-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.67	4.50	104	90 - 110	X411126	13-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.61	2.50	105	90 - 110	X411126	13-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X411126	13-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0180**
Reported: 28-Mar-24 09:21

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 CaCO3	1710	1710	0.0	20	X413007 - X4C0154-01	25-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	153	155	1.2	20	X412017 - X4C0180-01	18-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	153	155	1.2	20	X412017 - X4C0180-01	18-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X412017 - X4C0180-01	18-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X412017 - X4C0180-01	18-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	228	233	2.2	10	X411145 - X4C0180-02	15-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	241	239	0.8	10	X411145 - X4C0183-02	15-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	5.0	5.0	0.0	10	X411146 - X4C0180-02	15-Mar-24	
SM 4500 H B	pH @22.6°C	pH Units	7.3	7.7	4.7	20	X412017 - X4C0180-01	18-Mar-24	R2B

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	56.9	36.7	20.0	101	70 - 130	X412175 - X4C0180-01	26-Mar-24	
EPA 200.7	Calcium	mg/L	159	138	20.0	108	70 - 130	X412175 - X4C0232-04	26-Mar-24	
EPA 200.7	Magnesium	mg/L	37.3	16.4	20.0	105	70 - 130	X412175 - X4C0180-01	26-Mar-24	
EPA 200.7	Magnesium	mg/L	57.3	36.1	20.0	106	70 - 130	X412175 - X4C0232-04	26-Mar-24	
EPA 200.7	Potassium	mg/L	22.0	0.88	20.0	105	70 - 130	X412175 - X4C0180-01	26-Mar-24	
EPA 200.7	Potassium	mg/L	27.0	5.57	20.0	107	70 - 130	X412175 - X4C0232-04	26-Mar-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.00	<0.080	1.00	100	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Aluminum	mg/L	0.959	<0.080	1.00	95.9	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Barium	mg/L	1.01	0.0135	1.00	99.5	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Barium	mg/L	0.983	0.0248	1.00	95.8	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Beryllium	mg/L	1.01	<0.00200	1.00	101	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Beryllium	mg/L	0.991	<0.00200	1.00	99.1	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Boron	mg/L	1.06	<0.0400	1.00	104	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Boron	mg/L	1.07	<0.0400	1.00	104	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Cadmium	mg/L	1.01	<0.0020	1.00	101	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Cadmium	mg/L	0.971	0.0049	1.00	96.6	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Calcium	mg/L	83.3	62.8	20.0	103	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Calcium	mg/L	547	507	20.0	0.30R>S	70 - 130	X412126 - X4C0237-02	26-Mar-24	M3
EPA 200.7	Chromium	mg/L	1.02	<0.0060	1.00	102	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Chromium	mg/L	0.990	<0.0060	1.00	99.0	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Cobalt	mg/L	0.983	<0.0060	1.00	98.3	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Cobalt	mg/L	0.978	<0.0060	1.00	97.8	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Copper	mg/L	1.01	<0.0100	1.00	101	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Copper	mg/L	1.05	0.0151	1.00	104	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Iron	mg/L	10.0	<0.100	10.0	100	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Lead	mg/L	1.00	<0.0075	1.00	100	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Lead	mg/L	0.968	<0.0075	1.00	96.8	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Lithium	mg/L	1.02	<0.040	1.00	102	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Lithium	mg/L	0.909	<0.040	1.00	90.9	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Magnesium	mg/L	26.0	5.85	20.0	101	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Magnesium	mg/L	186	166	20.0	97.9	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Manganese	mg/L	1.04	<0.0080	1.00	104	70 - 130	X412126 - X4C0118-01	26-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0180**
Reported: 28-Mar-24 09:21

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	1.01	0.0126	1.00	99.7	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Molybdenum	mg/L	1.03	<0.0080	1.00	102	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Molybdenum	mg/L	1.03	0.0111	1.00	102	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Nickel	mg/L	0.989	0.0135	1.00	97.5	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Nickel	mg/L	0.978	<0.0100	1.00	97.2	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Potassium	mg/L	20.8	1.02	20.0	99.0	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Potassium	mg/L	25.1	4.40	20.0	104	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Silver	mg/L	0.0446	<0.0050	0.0500	89.3	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Silver	mg/L	0.0478	<0.0050	0.0500	95.5	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Sodium	mg/L	30.4	11.5	19.0	99.6	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Sodium	mg/L	108	85.2	19.0	118	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Vanadium	mg/L	1.03	<0.0050	1.00	103	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.7	Zinc	mg/L	1.02	<0.0100	1.00	102	70 - 130	X412126 - X4C0118-01	26-Mar-24	
EPA 200.7	Zinc	mg/L	2.76	1.74	1.00	102	70 - 130	X412126 - X4C0237-02	26-Mar-24	
EPA 200.8	Antimony	mg/L	0.0258	<0.00100	0.0250	103	70 - 130	X412059 - X4C0180-01	25-Mar-24	
EPA 200.8	Antimony	mg/L	0.0257	<0.00100	0.0250	103	70 - 130	X412059 - X4C0180-02	25-Mar-24	
EPA 200.8	Arsenic	mg/L	0.0261	<0.00100	0.0250	102	70 - 130	X412059 - X4C0180-01	25-Mar-24	
EPA 200.8	Arsenic	mg/L	0.0262	<0.00100	0.0250	102	70 - 130	X412059 - X4C0180-02	25-Mar-24	
EPA 200.8	Selenium	mg/L	0.0262	<0.00100	0.0250	105	70 - 130	X412059 - X4C0180-01	25-Mar-24	
EPA 200.8	Selenium	mg/L	0.0249	<0.00100	0.0250	99.6	70 - 130	X412059 - X4C0180-02	25-Mar-24	
EPA 200.8	Thallium	mg/L	0.0238	<0.000200	0.0250	95.2	70 - 130	X412059 - X4C0180-01	25-Mar-24	
EPA 200.8	Thallium	mg/L	0.0243	<0.000200	0.0250	97.2	70 - 130	X412059 - X4C0180-02	25-Mar-24	
EPA 200.8	Uranium	mg/L	0.0277	0.00379	0.0250	95.5	70 - 130	X412059 - X4C0180-01	25-Mar-24	
EPA 200.8	Uranium	mg/L	0.0283	0.00349	0.0250	99.4	70 - 130	X412059 - X4C0180-02	25-Mar-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.0617	0.0452	0.00200	0.30R>S	70 - 130	X413001 - X4C0154-01	25-Mar-24	D2,M4
EPA 245.1	Mercury	mg/L	0.00199	<0.000200	0.00200	99.7	70 - 130	X413001 - X4C0241-01	25-Mar-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0970	<0.0050	0.100	97.0	79 - 121	X412010 - X4C0180-01	21-Mar-24	
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0970	<0.0050	0.100	97.0	79 - 121	X412201 - X4C0180-02	21-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X411155 - X4C0180-01	14-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X411155 - X4C0180-02	14-Mar-24	
EPA 350.1	Ammonia as N	mg/L	0.998	<0.030	1.00	99.8	90 - 110	X412042 - X4C0180-01	20-Mar-24	
EPA 350.1	Ammonia as N	mg/L	0.986	<0.030	1.00	98.6	90 - 110	X412042 - X4C0180-02	20-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0950	<0.0050	0.100	94.0	82 - 118	X412008 - X4C0061-01	20-Mar-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	11.7	8.50	3.00	107	90 - 110	X411126 - X4C0118-01	13-Mar-24	
EPA 300.0	Chloride	mg/L	4.71	1.57	3.00	105	90 - 110	X411126 - X4C0197-06	13-Mar-24	
EPA 300.0	Fluoride	mg/L	2.32	0.371	2.00	97.2	90 - 110	X411126 - X4C0118-01	13-Mar-24	
EPA 300.0	Fluoride	mg/L	2.03	<0.100	2.00	100	90 - 110	X411126 - X4C0197-06	13-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.57	0.465	2.00	105	90 - 110	X411126 - X4C0118-01	13-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.18	0.159	2.00	101	90 - 110	X411126 - X4C0197-06	13-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.74	0.465	4.00	107	90 - 110	X411126 - X4C0118-01	13-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.21	0.159	4.00	101	90 - 110	X411126 - X4C0197-06	13-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.17	<0.050	2.00	108	90 - 110	X411126 - X4C0118-01	13-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.03	<0.050	2.00	101	90 - 110	X411126 - X4C0197-06	13-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	52.2	41.7	10.0	105	90 - 110	X411126 - X4C0118-01	13-Mar-24	D2

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0180**
Reported: 28-Mar-24 09:21

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	13.9	3.85	10.0	101	90 - 110	X411126 - X4C0197-06	13-Mar-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	56.5	56.9	20.0	0.6	20	99	X412175 - X4C0180-01	
EPA 200.7	Magnesium	mg/L	36.7	37.3	20.0	1.6	20	102	X412175 - X4C0180-01	
EPA 200.7	Potassium	mg/L	21.7	22.0	20.0	1.2	20	104	X412175 - X4C0180-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	1.00	1.00	0.7	20	101	X412126 - X4C0118-01	
EPA 200.7	Barium	mg/L	1.05	1.01	1.00	3.6	20	103	X412126 - X4C0118-01	
EPA 200.7	Beryllium	mg/L	0.993	1.01	1.00	1.8	20	99.3	X412126 - X4C0118-01	
EPA 200.7	Boron	mg/L	1.08	1.06	1.00	1.7	20	106	X412126 - X4C0118-01	
EPA 200.7	Cadmium	mg/L	1.03	1.01	1.00	1.7	20	103	X412126 - X4C0118-01	
EPA 200.7	Calcium	mg/L	82.7	83.3	20.0	0.7	20	99.8	X412126 - X4C0118-01	
EPA 200.7	Chromium	mg/L	1.04	1.02	1.00	1.6	20	104	X412126 - X4C0118-01	
EPA 200.7	Cobalt	mg/L	1.00	0.983	1.00	1.8	20	100	X412126 - X4C0118-01	
EPA 200.7	Copper	mg/L	1.03	1.01	1.00	1.3	20	103	X412126 - X4C0118-01	
EPA 200.7	Iron	mg/L	10.3	10.2	10.0	0.9	20	103	X412126 - X4C0118-01	
EPA 200.7	Lead	mg/L	1.03	1.00	1.00	2.2	20	103	X412126 - X4C0118-01	
EPA 200.7	Lithium	mg/L	1.02	1.02	1.00	0.2	20	102	X412126 - X4C0118-01	
EPA 200.7	Magnesium	mg/L	27.0	26.0	20.0	3.9	20	106	X412126 - X4C0118-01	
EPA 200.7	Manganese	mg/L	1.05	1.04	1.00	1.1	20	105	X412126 - X4C0118-01	
EPA 200.7	Molybdenum	mg/L	1.05	1.03	1.00	1.8	20	104	X412126 - X4C0118-01	
EPA 200.7	Nickel	mg/L	1.01	0.989	1.00	1.7	20	99.3	X412126 - X4C0118-01	
EPA 200.7	Potassium	mg/L	21.0	20.8	20.0	0.9	20	100	X412126 - X4C0118-01	
EPA 200.7	Silver	mg/L	0.0488	0.0446	0.0500	8.8	20	97.5	X412126 - X4C0118-01	
EPA 200.7	Sodium	mg/L	30.6	30.4	19.0	0.5	20	100	X412126 - X4C0118-01	
EPA 200.7	Vanadium	mg/L	1.05	1.04	1.00	1.6	20	105	X412126 - X4C0118-01	
EPA 200.7	Zinc	mg/L	1.04	1.02	1.00	1.6	20	104	X412126 - X4C0118-01	
EPA 200.8	Antimony	mg/L	0.0245	0.0258	0.0250	5.2	20	97.8	X412059 - X4C0180-01	
EPA 200.8	Arsenic	mg/L	0.0257	0.0261	0.0250	1.4	20	100	X412059 - X4C0180-01	
EPA 200.8	Selenium	mg/L	0.0240	0.0262	0.0250	9.0	20	95.9	X412059 - X4C0180-01	
EPA 200.8	Thallium	mg/L	0.0237	0.0238	0.0250	0.2	20	95.0	X412059 - X4C0180-01	
EPA 200.8	Uranium	mg/L	0.0277	0.0277	0.0250	0.1	20	95.5	X412059 - X4C0180-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.0501	0.0617	0.00200	20.7	20	0.30R>S	X413001 - X4C0154-01	D2,M4,R2B
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0910	0.0970	0.100	6.4	11	91.0	X412010 - X4C0180-01	
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.0970	0.100	6.0	11	103	X412201 - X4C0180-02	
EPA 335.4	Cyanide (total)	mg/L	0.0993	0.102	0.100	3.1	20	99.3	X411155 - X4C0180-01	
EPA 350.1	Ammonia as N	mg/L	1.01	0.998	1.00	1.5	20	101	X412042 - X4C0180-01	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.0950	0.100	8.1	11	102	X412008 - X4C0061-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	11.6	11.7	3.00	0.8	20	104	X411126 - X4C0118-01	
EPA 300.0	Fluoride	mg/L	2.27	2.32	2.00	2.1	20	94.8	X411126 - X4C0118-01	
EPA 300.0	Nitrate as N	mg/L	2.50	2.57	2.00	2.5	20	102	X411126 - X4C0118-01	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0180**
Reported: 28-Mar-24 09:21

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
Anions by Ion Chromatography (Continued)										
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.61	4.74	4.00	2.7	20	104	X411126 - X4C0118-01	
EPA 300.0	Nitrite as N	mg/L	2.11	2.17	2.00	3.0	20	105	X411126 - X4C0118-01	
EPA 300.0	Sulfate as SO4	mg/L	51.1	52.2	10.0	2.1	20	94.4	X411126 - X4C0118-01	D2

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0180**
Victor, CO 80860	Reported: 28-Mar-24 09:21

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
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.
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

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0342**
Victor, CO 80860	Reported: 04-Apr-24 15:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-26A	X4C0342-01	Ground Water	20-Mar-24 10:47	PB	21-Mar-2024	
GVMW-26B	X4C0342-02	Ground Water	20-Mar-24 11:29	PB	21-Mar-2024	
GVMW-22B	X4C0342-03	Ground Water	20-Mar-24 12:43	PB	21-Mar-2024	
GVMW-15A	X4C0342-04	Ground Water	20-Mar-24 15:09	PB	21-Mar-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.

Case Narrative: X4C0342

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4C0342**
Reported: 04-Apr-24 15:15

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X4C0342-01 (Ground Water)**

Sampled: 20-Mar-24 10:47
Received: 21-Mar-24
Sampled By: PB

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**	29.6	mg/L	0.100	0.069		X413128	NMS	03/29/24 12:21	
EPA 200.7	**Magnesium**	7.32	mg/L	0.500	0.090		X413128	NMS	03/29/24 12:21	
EPA 200.7	**Potassium**	0.93	mg/L	0.50	0.18		X413128	NMS	03/29/24 12:21	
SM 2340 B	**Hardness (as CaCO3)**	101	mg/L	2.31	0.543		N/A		03/29/24 12:21	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X413015	NMS	04/01/24 15:32	
EPA 200.7	**Barium**	0.192	mg/L	0.0020	0.0019		X413015	NMS	04/01/24 15:32	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X413015	NMS	04/01/24 15:32	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X413015	NMS	04/01/24 15:32	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X413015	NMS	04/01/24 15:32	
EPA 200.7	**Calcium**	28.7	mg/L	0.100	0.069		X413015	NMS	04/01/24 15:32	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X413015	NMS	04/01/24 15:32	
EPA 200.7	**Cobalt**	0.0068	mg/L	0.0060	0.0046		X413015	NMS	04/01/24 15:32	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X413015	NMS	04/01/24 15:32	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X413015	NMS	04/01/24 15:32	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X413015	NMS	04/01/24 15:32	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X413015	NMS	04/01/24 15:32	
EPA 200.7	**Magnesium**	7.01	mg/L	0.500	0.090		X413015	NMS	04/01/24 15:32	
EPA 200.7	**Manganese**	0.0150	mg/L	0.0080	0.0034		X413015	NMS	04/01/24 15:32	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X413015	NMS	04/01/24 15:32	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X413015	NMS	04/01/24 15:32	
EPA 200.7	**Potassium**	1.01	mg/L	0.50	0.18		X413015	NMS	04/01/24 15:32	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X413015	NMS	04/01/24 15:32	
EPA 200.7	**Sodium**	30.4	mg/L	0.50	0.12		X413015	NMS	04/01/24 15:32	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X413015	NMS	04/01/24 15:32	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X413015	NMS	04/01/24 15:32	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X413183	SMU	04/01/24 16:56	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X413183	SMU	04/01/24 16:56	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X413183	SMU	04/01/24 16:56	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X413183	SMU	04/01/24 16:56	
EPA 200.8	**Uranium**	0.00330	mg/L	0.000100	0.000052		X413183	SMU	04/01/24 16:56	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X414007	MAC	04/02/24 13:11	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X414018	DD	04/03/24 11:21	M1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X413155	DD	04/03/24 11:56	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X413099	DD	03/28/24 08:48	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X414022	DD	04/03/24 13:59	
SM 2310 B	**Acidity to pH 8.3**	-159	mg/L as CaCO3	10.0			X414013	MWD	04/02/24 08:48	
SM 2320 B	**Total Alkalinity**	157	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:06	
SM 2320 B	**Bicarbonate**	157	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:06	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:06	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:06	
SM 2540 C	**Total Diss. Solids**	208	mg/L	10			X412221	TJL	03/25/24 14:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X412222	TJL	03/25/24 15:50	
SM 4500 H B	**pH @16.9°C**	7.4	pH Units				X413073	MWD	03/27/24 12:06	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X4C0342-01 (Ground Water)**

Sampled: 20-Mar-24 10:47
Received: 21-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.25	mg/L	0.20	0.02		X412206	RS	03/21/24 14:16	
EPA 300.0	**Fluoride**	1.87	mg/L	0.100	0.017		X412206	RS	03/21/24 14:16	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X412206	RS	03/21/24 14:16	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X412206	RS	03/21/24 14:16	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X412206	RS	03/21/24 14:16	
EPA 300.0	**Sulfate as SO4**	12.5	mg/L	0.30	0.18		X412206	RS	03/21/24 14:16	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.37 meq/L Anion Sum: 3.53 meq/L C/A Balance: -2.36 % Calculated TDS: 178 TDS/cTDS: 1.17

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X4C0342-02 (Ground Water)**

Sampled: 20-Mar-24 11:29
Received: 21-Mar-24
Sampled By: PB

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**	11.0	mg/L	0.100	0.069		X413128	NMS	03/29/24 12:25	
EPA 200.7	**Magnesium**	2.55	mg/L	0.500	0.090		X413128	NMS	03/29/24 12:25	
EPA 200.7	**Potassium**	0.70	mg/L	0.50	0.18		X413128	NMS	03/29/24 12:25	
SM 2340 B	**Hardness (as CaCO3)**	37.6	mg/L	2.31	0.543		N/A		04/01/24 15:36	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X413015	NMS	04/01/24 15:36	
EPA 200.7	**Barium**	0.112	mg/L	0.0020	0.0019		X413015	NMS	04/01/24 15:36	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X413015	NMS	04/01/24 15:36	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X413015	NMS	04/01/24 15:36	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X413015	NMS	04/01/24 15:36	
EPA 200.7	**Calcium**	10.9	mg/L	0.100	0.069		X413015	NMS	04/01/24 15:36	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X413015	NMS	04/01/24 15:36	
EPA 200.7	**Cobalt**	0.0068	mg/L	0.0060	0.0046		X413015	NMS	04/01/24 15:36	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X413015	NMS	04/01/24 15:36	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X413015	NMS	04/01/24 15:36	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X413015	NMS	04/01/24 15:36	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X413015	NMS	04/01/24 15:36	
EPA 200.7	**Magnesium**	2.45	mg/L	0.500	0.090		X413015	NMS	04/01/24 15:36	
EPA 200.7	**Manganese**	0.0117	mg/L	0.0080	0.0034		X413015	NMS	04/01/24 15:36	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X413015	NMS	04/01/24 15:36	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X413015	NMS	04/01/24 15:36	
EPA 200.7	**Potassium**	0.86	mg/L	0.50	0.18		X413015	NMS	04/01/24 15:36	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X413015	NMS	04/01/24 15:36	
EPA 200.7	**Sodium**	9.75	mg/L	0.50	0.12		X413015	NMS	04/01/24 15:36	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X413015	NMS	04/01/24 15:36	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X413015	NMS	04/01/24 15:36	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X413183	SMU	04/01/24 16:58	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X413183	SMU	04/01/24 16:58	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X413183	SMU	04/01/24 16:58	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X413183	SMU	04/01/24 16:58	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X413183	SMU	04/01/24 16:58	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X414007	MAC	04/02/24 13:13	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X414018	DD	04/03/24 11:23	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X413155	DD	04/03/24 11:58	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X413099	DD	03/28/24 08:50	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X414022	DD	04/03/24 14:01	
SM 2310 B	**Acidity to pH 8.3**	-32.3	mg/L as CaCO3	10.0			X414013	MWD	04/02/24 08:48	
SM 2320 B	**Total Alkalinity**	36.2	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:14	
SM 2320 B	**Bicarbonate**	36.2	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:14	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:14	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:14	
SM 2540 C	**Total Diss. Solids**	79	mg/L	10			X412221	TJL	03/25/24 14:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X412222	TJL	03/25/24 15:50	
SM 4500 H B	**pH @17.1°C**	6.5	pH Units				X413073	MWD	03/27/24 12:14	H5,R2B

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X4C0342-02 (Ground Water)**

Sampled: 20-Mar-24 11:29
Received: 21-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.87	mg/L	0.20	0.02		X412206	RS	03/21/24 15:10	
EPA 300.0	**Fluoride**	0.229	mg/L	0.100	0.017		X412206	RS	03/21/24 15:10	
EPA 300.0	**Nitrate as N**	0.627	mg/L	0.050	0.013		X412206	RS	03/21/24 15:10	
EPA 300.0	**Nitrate+Nitrite as N**	0.627	mg/L	0.100	0.044		X412206	RS	03/21/24 15:10	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X412206	RS	03/21/24 15:10	
EPA 300.0	**Sulfate as SO4**	21.9	mg/L	0.30	0.18		X412206	RS	03/21/24 15:10	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.20 meq/L Anion Sum: 1.29 meq/L C/A Balance: -3.47 % Calculated TDS: 72 TDS/cTDS: 1.09

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X4C0342-03 (Ground Water)**

Sampled: 20-Mar-24 12:43
Received: 21-Mar-24
Sampled By: PB

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**	34.0	mg/L	0.100	0.069		X413128	NMS	03/29/24 12:28	
EPA 200.7	**Magnesium**	10.6	mg/L	0.500	0.090		X413128	NMS	03/29/24 12:28	
EPA 200.7	**Potassium**	1.55	mg/L	0.50	0.18		X413128	NMS	03/29/24 12:28	
SM 2340 B	**Hardness (as CaCO3)**	128	mg/L	2.31	0.543		N/A		03/29/24 12:28	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X413015	NMS	04/01/24 15:40	
EPA 200.7	**Barium**	0.0514	mg/L	0.0020	0.0019		X413015	NMS	04/01/24 15:40	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X413015	NMS	04/01/24 15:40	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X413015	NMS	04/01/24 15:40	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X413015	NMS	04/01/24 15:40	
EPA 200.7	**Calcium**	34.4	mg/L	0.100	0.069		X413015	NMS	04/01/24 15:40	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X413015	NMS	04/01/24 15:40	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X413015	NMS	04/01/24 15:40	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X413015	NMS	04/01/24 15:40	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X413015	NMS	04/01/24 15:40	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X413015	NMS	04/01/24 15:40	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X413015	NMS	04/01/24 15:40	
EPA 200.7	**Magnesium**	10.5	mg/L	0.500	0.090		X413015	NMS	04/01/24 15:40	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X413015	NMS	04/01/24 15:40	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X413015	NMS	04/01/24 15:40	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X413015	NMS	04/01/24 15:40	
EPA 200.7	**Potassium**	1.64	mg/L	0.50	0.18		X413015	NMS	04/01/24 15:40	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X413015	NMS	04/01/24 15:40	
EPA 200.7	**Sodium**	21.8	mg/L	0.50	0.12		X413015	NMS	04/01/24 15:40	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X413015	NMS	04/01/24 15:40	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X413015	NMS	04/01/24 15:40	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X413183	SMU	04/01/24 17:01	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X413183	SMU	04/01/24 17:01	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X413183	SMU	04/01/24 17:01	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X413183	SMU	04/01/24 17:01	
EPA 200.8	**Uranium**	0.000948	mg/L	0.000100	0.000052		X413183	SMU	04/01/24 17:01	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X414007	MAC	04/02/24 13:15	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X414018	DD	04/03/24 11:31	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X413155	DD	04/03/24 12:01	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X413099	DD	03/28/24 08:52	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X414022	DD	04/03/24 14:02	
SM 2310 B	**Acidity to pH 8.3**	-79.7	mg/L as CaCO3	10.0			X414013	MWD	04/02/24 08:48	
SM 2320 B	**Total Alkalinity**	77.6	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:19	
SM 2320 B	**Bicarbonate**	77.6	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:19	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:19	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 12:19	
SM 2540 C	**Total Diss. Solids**	237	mg/L	10			X412248	TJL	03/26/24 14:55	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X412222	TJL	03/25/24 15:50	
SM 4500 H B	**pH @17.2°C**	6.7	pH Units				X413073	MWD	03/27/24 12:19	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X4C0342-03 (Ground Water)**

Sampled: 20-Mar-24 12:43
Received: 21-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	7.91	mg/L	0.20	0.02		X412206	RS	03/21/24 16:22	
EPA 300.0	**Fluoride**	0.383	mg/L	0.100	0.017		X412206	RS	03/21/24 16:22	
EPA 300.0	**Nitrate as N**	0.500	mg/L	0.050	0.013		X412206	RS	03/21/24 16:22	
EPA 300.0	**Nitrate+Nitrite as N**	0.500	mg/L	0.100	0.044		X412206	RS	03/21/24 16:22	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X412206	RS	03/21/24 16:22	
EPA 300.0	**Sulfate as SO4**	93.0	mg/L	3.00	1.80	10	X412206	RS	03/21/24 16:40	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.56 meq/L Anion Sum: 3.77 meq/L C/A Balance: -2.78 % Calculated TDS: 218 TDS/cTDS: 1.09

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X4C0342-04 (Ground Water)**

Sampled: 20-Mar-24 15:09
Received: 21-Mar-24
Sampled By: PB

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**	18.2	mg/L	0.100	0.069		X413128	NMS	03/29/24 12:32	
EPA 200.7	**Magnesium**	18.3	mg/L	0.500	0.090		X413128	NMS	03/29/24 12:32	
EPA 200.7	**Potassium**	1.64	mg/L	0.50	0.18		X413128	NMS	03/29/24 12:32	
SM 2340 B	**Hardness (as CaCO3)**	121	mg/L	2.31	0.543		N/A		04/01/24 15:44	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Barium**	0.0590	mg/L	0.0020	0.0019		X413015	NMS	04/01/24 15:44	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X413015	NMS	04/01/24 15:44	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X413015	NMS	04/01/24 15:44	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Calcium**	18.5	mg/L	0.100	0.069		X413015	NMS	04/01/24 15:44	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Cobalt**	0.0254	mg/L	0.0060	0.0046		X413015	NMS	04/01/24 15:44	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Iron**	34.2	mg/L	0.100	0.056		X413015	NMS	04/01/24 15:44	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X413015	NMS	04/01/24 15:44	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Magnesium**	18.1	mg/L	0.500	0.090		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Manganese**	1.85	mg/L	0.0080	0.0034		X413015	NMS	04/01/24 15:44	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Nickel**	0.0642	mg/L	0.0100	0.0048		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Potassium**	1.74	mg/L	0.50	0.18		X413015	NMS	04/01/24 15:44	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Sodium**	11.4	mg/L	0.50	0.12		X413015	NMS	04/01/24 15:44	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X413015	NMS	04/01/24 15:44	
EPA 200.7	**Zinc**	0.0748	mg/L	0.0100	0.0054		X413015	NMS	04/01/24 15:44	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X413183	SMU	04/01/24 17:03	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X413183	SMU	04/01/24 17:03	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X413183	SMU	04/01/24 17:03	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X413183	SMU	04/01/24 17:03	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X413183	SMU	04/01/24 17:03	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X414007	MAC	04/02/24 13:22	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X414018	DD	04/03/24 11:33	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X414065	DD	04/03/24 12:43	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X413099	DD	03/28/24 09:02	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X414022	DD	04/03/24 14:04	
SM 2310 B	**Acidity to pH 8.3**	-16.5	mg/L as CaCO3	10.0			X414013	MWD	04/02/24 08:48	
SM 2320 B	**Total Alkalinity**	13.9	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 13:47	
SM 2320 B	**Bicarbonate**	13.9	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 13:47	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 13:47	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X413073	MWD	03/27/24 13:47	
SM 2540 C	**Total Diss. Solids**	307	mg/L	10			X412248	TJL	03/26/24 14:55	
SM 2540 D	**Total Susp. Solids**	19.0	mg/L	5.0			X412222	TJL	03/25/24 15:50	
SM 4500 H B	**pH @17.7°C**	6.2	pH Units				X413073	MWD	03/27/24 13:47	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X4C0342-04 (Ground Water)**

Sampled: 20-Mar-24 15:09
Received: 21-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.40	mg/L	0.20	0.02		X412206	RS	03/21/24 16:58	
EPA 300.0	**Fluoride**	0.289	mg/L	0.100	0.017		X412206	RS	03/21/24 16:58	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X412206	RS	03/21/24 16:58	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X412206	RS	03/21/24 16:58	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X412206	RS	03/21/24 16:58	
EPA 300.0	**Sulfate as SO4**	178	mg/L	3.00	1.80	10	X412206	RS	03/21/24 17:16	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.24 meq/L Anion Sum: 4.04 meq/L C/A Balance: 2.41 % Calculated TDS: 238 TDS/cTDS: 1.29

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

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	X413128	29-Mar-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X413128	29-Mar-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X413128	29-Mar-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X413015	01-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X413015	01-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X413015	01-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X413015	01-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X413015	01-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X413015	01-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X413015	01-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X413015	01-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X413015	01-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X413015	01-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X413015	01-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X413015	01-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X413015	01-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X413015	01-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X413015	01-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X413015	01-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X413015	01-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X413015	01-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X413015	01-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X413015	01-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X413015	01-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X413183	01-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X413183	01-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X413183	01-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X413183	01-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X413183	02-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X414007	02-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X414018	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X413155	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X414065	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X413099	28-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X414022	03-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X414013	02-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X413073	27-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X413073	27-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X413073	27-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X413073	27-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X412221	25-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X412248	26-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X412222	25-Mar-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X412206	21-Mar-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X412206	21-Mar-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X412206	21-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X412206	21-Mar-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X412206	21-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X412206	21-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

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	19.0	20.0	95	85 - 115	X413128	29-Mar-24	
EPA 200.7	Magnesium	mg/L	20.9	20.0	105	85 - 115	X413128	29-Mar-24	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.7	85 - 115	X413128	29-Mar-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.937	1.00	93.7	85 - 115	X413015	01-Apr-24	
EPA 200.7	Barium	mg/L	0.946	1.00	94.6	85 - 115	X413015	01-Apr-24	
EPA 200.7	Beryllium	mg/L	0.982	1.00	98.2	85 - 115	X413015	01-Apr-24	
EPA 200.7	Boron	mg/L	0.951	1.00	95.1	85 - 115	X413015	01-Apr-24	
EPA 200.7	Cadmium	mg/L	0.949	1.00	94.9	85 - 115	X413015	01-Apr-24	
EPA 200.7	Calcium	mg/L	19.2	20.0	96.2	85 - 115	X413015	01-Apr-24	
EPA 200.7	Chromium	mg/L	0.948	1.00	94.8	85 - 115	X413015	01-Apr-24	
EPA 200.7	Cobalt	mg/L	0.934	1.00	93.4	85 - 115	X413015	01-Apr-24	
EPA 200.7	Copper	mg/L	0.954	1.00	95.4	85 - 115	X413015	01-Apr-24	
EPA 200.7	Iron	mg/L	9.77	10.0	97.7	85 - 115	X413015	01-Apr-24	
EPA 200.7	Lead	mg/L	0.947	1.00	94.7	85 - 115	X413015	01-Apr-24	
EPA 200.7	Lithium	mg/L	0.927	1.00	92.7	85 - 115	X413015	01-Apr-24	
EPA 200.7	Magnesium	mg/L	19.3	20.0	96.5	85 - 115	X413015	01-Apr-24	
EPA 200.7	Manganese	mg/L	0.961	1.00	96.1	85 - 115	X413015	01-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.962	1.00	96.2	85 - 115	X413015	01-Apr-24	
EPA 200.7	Nickel	mg/L	0.935	1.00	93.5	85 - 115	X413015	01-Apr-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	97.9	85 - 115	X413015	01-Apr-24	
EPA 200.7	Silver	mg/L	0.0492	0.0500	98.5	85 - 115	X413015	01-Apr-24	
EPA 200.7	Sodium	mg/L	18.2	19.0	95.5	85 - 115	X413015	01-Apr-24	
EPA 200.7	Vanadium	mg/L	0.968	1.00	96.8	85 - 115	X413015	01-Apr-24	
EPA 200.7	Zinc	mg/L	0.945	1.00	94.5	85 - 115	X413015	01-Apr-24	
EPA 200.8	Antimony	mg/L	0.0263	0.0250	105	85 - 115	X413183	01-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0270	0.0250	108	85 - 115	X413183	01-Apr-24	
EPA 200.8	Selenium	mg/L	0.0254	0.0250	102	85 - 115	X413183	01-Apr-24	
EPA 200.8	Thallium	mg/L	0.0270	0.0250	108	85 - 115	X413183	01-Apr-24	
EPA 200.8	Uranium	mg/L	0.0263	0.0250	105	85 - 115	X413183	01-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00205	0.00200	103	85 - 115	X414007	02-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.109	0.100	109	90 - 110	X414018	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.0999	0.100	99.9	90 - 110	X413155	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X414065	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.989	1.00	98.9	90 - 110	X413099	28-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0990	0.100	99.0	90 - 110	X414022	03-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1660	1640	101	95.4 - 104	X414013	02-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X413073	27-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	403	397	101	96.4 - 105	X413073	27-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X412222	25-Mar-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X412206	21-Mar-24	
EPA 300.0	Fluoride	mg/L	2.04	2.00	102	90 - 110	X412206	21-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X412206	21-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.70	4.50	104	90 - 110	X412206	21-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.64	2.50	106	90 - 110	X412206	21-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X412206	21-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

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 CaCO3	79.0	79.0	0.0	20	X414013 - X4C0311-01	02-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	36.4	36.2	0.6	20	X413073 - X4C0342-02	27-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	36.4	36.2	0.6	20	X413073 - X4C0342-02	27-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X413073 - X4C0342-02	27-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X413073 - X4C0342-02	27-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	227	236	3.9	10	X412221 - X4C0340-01	25-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	306	306	0.0	10	X412221 - X4C0340-05	25-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	563	605	7.2	10	X412248 - X4C0351-01	26-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	590	651	9.8	10	X412248 - X4C0344-02	26-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X412222 - X4C0340-01	25-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X412222 - X4C0340-05	25-Mar-24	
SM 4500 H B	pH @17.0°C	pH Units	6.3	6.5	3.0	20	X413073 - X4C0342-02	27-Mar-24	R2B

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	29.6	10.5	20.0	96	70 - 130	X413128 - X4C0330-01	29-Mar-24	
EPA 200.7	Calcium	mg/L	54.1	34.0	20.0	101	70 - 130	X413128 - X4C0342-03	29-Mar-24	
EPA 200.7	Magnesium	mg/L	21.0	1.10	20.0	99.4	70 - 130	X413128 - X4C0330-01	29-Mar-24	
EPA 200.7	Magnesium	mg/L	31.5	10.6	20.0	105	70 - 130	X413128 - X4C0342-03	29-Mar-24	
EPA 200.7	Potassium	mg/L	19.8	<0.50	20.0	98.9	70 - 130	X413128 - X4C0330-01	29-Mar-24	
EPA 200.7	Potassium	mg/L	21.4	1.55	20.0	99.0	70 - 130	X413128 - X4C0342-03	29-Mar-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.983	<0.080	1.00	98.3	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Aluminum	mg/L	0.966	<0.080	1.00	96.6	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Barium	mg/L	1.10	0.112	1.00	98.9	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Barium	mg/L	1.03	0.0590	1.00	96.9	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Beryllium	mg/L	0.999	<0.00200	1.00	99.9	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Beryllium	mg/L	0.985	<0.00200	1.00	98.5	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	101	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	99.8	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Cadmium	mg/L	0.996	<0.0020	1.00	99.6	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Cadmium	mg/L	0.982	<0.0020	1.00	98.2	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Calcium	mg/L	30.6	10.9	20.0	98.5	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Calcium	mg/L	37.9	18.5	20.0	97.3	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Chromium	mg/L	0.995	<0.0060	1.00	99.5	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Chromium	mg/L	0.973	<0.0060	1.00	97.3	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Cobalt	mg/L	0.982	0.0068	1.00	97.5	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Cobalt	mg/L	0.982	0.0254	1.00	95.6	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Copper	mg/L	0.985	<0.0100	1.00	98.5	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Copper	mg/L	0.973	<0.0100	1.00	97.3	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Iron	mg/L	9.99	<0.100	10.0	99.9	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Iron	mg/L	43.7	34.2	10.0	94.9	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Lead	mg/L	0.997	<0.0075	1.00	99.7	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Lead	mg/L	0.983	<0.0075	1.00	98.3	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Lithium	mg/L	0.978	<0.040	1.00	97.8	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Lithium	mg/L	0.980	<0.040	1.00	98.0	70 - 130	X413015 - X4C0342-04	01-Apr-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

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
Metals (Dissolved) (Continued)										
EPA 200.7	Magnesium	mg/L	22.9	2.45	20.0	102	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Magnesium	mg/L	37.8	18.1	20.0	98.5	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Manganese	mg/L	1.01	0.0117	1.00	100	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Manganese	mg/L	2.78	1.85	1.00	92.5	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.998	<0.0080	1.00	99.8	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.991	<0.0080	1.00	99.1	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Nickel	mg/L	0.984	<0.0100	1.00	97.6	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Nickel	mg/L	1.02	0.0642	1.00	95.3	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Potassium	mg/L	20.8	0.86	20.0	99.9	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Potassium	mg/L	21.5	1.74	20.0	99.1	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Silver	mg/L	0.0503	<0.0050	0.0500	101	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Silver	mg/L	0.0504	<0.0050	0.0500	101	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Sodium	mg/L	28.3	9.75	19.0	97.5	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Sodium	mg/L	29.8	11.4	19.0	97.1	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Vanadium	mg/L	1.01	<0.0050	1.00	101	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Vanadium	mg/L	0.999	<0.0050	1.00	99.9	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.7	Zinc	mg/L	1.01	<0.0100	1.00	101	70 - 130	X413015 - X4C0342-02	01-Apr-24	
EPA 200.7	Zinc	mg/L	1.06	0.0748	1.00	98.5	70 - 130	X413015 - X4C0342-04	01-Apr-24	
EPA 200.8	Antimony	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Antimony	mg/L	0.0294	<0.0100	0.0250	118	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
EPA 200.8	Arsenic	mg/L	0.0279	<0.00100	0.0250	112	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0273	<0.0100	0.0250	109	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
EPA 200.8	Selenium	mg/L	0.0282	0.00178	0.0250	106	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Selenium	mg/L	0.0336	<0.0100	0.0250	115	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
EPA 200.8	Thallium	mg/L	0.0283	<0.000200	0.0250	113	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Thallium	mg/L	0.0296	<0.00200	0.0250	118	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
EPA 200.8	Uranium	mg/L	0.0332	0.00502	0.0250	113	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Uranium	mg/L	0.0645	0.0378	0.0250	107	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00207	<0.000200	0.00200	104	70 - 130	X414007 - X4C0342-01	02-Apr-24	
EPA 245.1	Mercury	mg/L	0.00206	<0.000200	0.00200	103	70 - 130	X414007 - X4C0398-02	02-Apr-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.117	<0.0050	0.100	117	79 - 121	X414018 - X4C0342-01	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.304	0.171	0.100	133	90 - 110	X413155 - X4A0382-11	03-Apr-24	D2,H1
EPA 335.4	Cyanide (total)	mg/L	0.119	0.0134	0.100	106	90 - 110	X414065 - X4C0462-05	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.117	0.0109	0.100	106	90 - 110	X414065 - X4C0462-03	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.974	<0.030	1.00	97.4	90 - 110	X413099 - X4C0341-01	28-Mar-24	
EPA 350.1	Ammonia as N	mg/L	0.987	<0.030	1.00	98.7	90 - 110	X413099 - X4C0342-01	28-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	<0.0050	0.100	99.0	82 - 118	X414022 - X4C0342-01	03-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.42	1.25	3.00	106	90 - 110	X412206 - X4C0342-01	21-Mar-24	
EPA 300.0	Chloride	mg/L	5.04	1.87	3.00	105	90 - 110	X412206 - X4C0342-02	21-Mar-24	
EPA 300.0	Fluoride	mg/L	4.01	1.87	2.00	107	90 - 110	X412206 - X4C0342-01	21-Mar-24	
EPA 300.0	Fluoride	mg/L	2.30	0.229	2.00	103	90 - 110	X412206 - X4C0342-02	21-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.11	<0.050	2.00	104	90 - 110	X412206 - X4C0342-01	21-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.71	0.627	2.00	104	90 - 110	X412206 - X4C0342-02	21-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.23	<0.100	4.00	106	90 - 110	X412206 - X4C0342-01	21-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.88	0.627	4.00	106	90 - 110	X412206 - X4C0342-02	21-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

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
Anions by Ion Chromatography (Continued)										
EPA 300.0	Nitrite as N	mg/L	2.13	<0.050	2.00	106	90 - 110	X412206 - X4C0342-01	21-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.17	<0.050	2.00	108	90 - 110	X412206 - X4C0342-02	21-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	23.3	12.5	10.0	108	90 - 110	X412206 - X4C0342-01	21-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	32.3	21.9	10.0	105	90 - 110	X412206 - X4C0342-02	21-Mar-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	30.0	29.6	20.0	1.0	20	98	X413128 - X4C0330-01	
EPA 200.7	Magnesium	mg/L	22.4	21.0	20.0	6.5	20	106	X413128 - X4C0330-01	
EPA 200.7	Potassium	mg/L	20.1	19.8	20.0	1.4	20	100	X413128 - X4C0330-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.968	0.983	1.00	1.5	20	96.8	X413015 - X4C0342-02	
EPA 200.7	Barium	mg/L	1.09	1.10	1.00	1.4	20	97.3	X413015 - X4C0342-02	
EPA 200.7	Beryllium	mg/L	0.992	0.999	1.00	0.7	20	99.2	X413015 - X4C0342-02	
EPA 200.7	Boron	mg/L	0.998	1.02	1.00	2.3	20	98.9	X413015 - X4C0342-02	
EPA 200.7	Cadmium	mg/L	0.975	0.996	1.00	2.1	20	97.5	X413015 - X4C0342-02	
EPA 200.7	Calcium	mg/L	30.2	30.6	20.0	1.2	20	96.7	X413015 - X4C0342-02	
EPA 200.7	Chromium	mg/L	0.983	0.995	1.00	1.2	20	98.3	X413015 - X4C0342-02	
EPA 200.7	Cobalt	mg/L	0.960	0.982	1.00	2.3	20	95.3	X413015 - X4C0342-02	
EPA 200.7	Copper	mg/L	0.970	0.985	1.00	1.5	20	97.0	X413015 - X4C0342-02	
EPA 200.7	Iron	mg/L	9.85	9.99	10.0	1.5	20	98.5	X413015 - X4C0342-02	
EPA 200.7	Lead	mg/L	0.971	0.997	1.00	2.6	20	97.1	X413015 - X4C0342-02	
EPA 200.7	Lithium	mg/L	0.961	0.978	1.00	1.8	20	96.1	X413015 - X4C0342-02	
EPA 200.7	Magnesium	mg/L	22.4	22.9	20.0	2.1	20	99.8	X413015 - X4C0342-02	
EPA 200.7	Manganese	mg/L	1.01	1.01	1.00	0.8	20	99.5	X413015 - X4C0342-02	
EPA 200.7	Molybdenum	mg/L	0.977	0.998	1.00	2.1	20	97.7	X413015 - X4C0342-02	
EPA 200.7	Nickel	mg/L	0.961	0.984	1.00	2.4	20	95.3	X413015 - X4C0342-02	
EPA 200.7	Potassium	mg/L	20.4	20.8	20.0	1.9	20	97.9	X413015 - X4C0342-02	
EPA 200.7	Silver	mg/L	0.0503	0.0503	0.0500	0.1	20	101	X413015 - X4C0342-02	
EPA 200.7	Sodium	mg/L	28.0	28.3	19.0	1.0	20	96.0	X413015 - X4C0342-02	
EPA 200.7	Vanadium	mg/L	0.998	1.01	1.00	1.6	20	99.8	X413015 - X4C0342-02	
EPA 200.7	Zinc	mg/L	0.983	1.01	1.00	2.5	20	98.3	X413015 - X4C0342-02	
EPA 200.8	Antimony	mg/L	0.0268	0.0277	0.0250	3.3	20	107	X413183 - X4C0287-01	
EPA 200.8	Arsenic	mg/L	0.0274	0.0279	0.0250	1.9	20	110	X413183 - X4C0287-01	
EPA 200.8	Selenium	mg/L	0.0287	0.0282	0.0250	1.7	20	108	X413183 - X4C0287-01	
EPA 200.8	Thallium	mg/L	0.0276	0.0283	0.0250	2.3	20	111	X413183 - X4C0287-01	
EPA 200.8	Uranium	mg/L	0.0323	0.0332	0.0250	2.6	20	109	X413183 - X4C0287-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00211	0.00207	0.00200	1.6	20	105	X414007 - X4C0342-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.127	0.117	0.100	8.2	11	127	X414018 - X4C0342-01	M1
EPA 335.4	Cyanide (total)	mg/L	0.307	0.304	0.100	1.2	20	136	X413155 - X4A0382-11	D2,H1
EPA 335.4	Cyanide (total)	mg/L	0.122	0.119	0.100	2.3	20	109	X414065 - X4C0462-05	
EPA 350.1	Ammonia as N	mg/L	1.02	0.974	1.00	4.3	20	102	X413099 - X4C0341-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0960	0.101	0.100	5.1	11	94.0	X414022 - X4C0342-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.47	4.42	3.00	1.1	20	107	X412206 - X4C0342-01	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0342**
Reported: 04-Apr-24 15:15

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
Anions by Ion Chromatography (Continued)										
EPA 300.0	Fluoride	mg/L	4.04	4.01	2.00	0.8	20	108	X412206 - X4C0342-01	
EPA 300.0	Nitrate as N	mg/L	2.13	2.11	2.00	1.1	20	105	X412206 - X4C0342-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.31	4.23	4.00	1.7	20	108	X412206 - X4C0342-01	
EPA 300.0	Nitrite as N	mg/L	2.18	2.13	2.00	2.3	20	109	X412206 - X4C0342-01	
EPA 300.0	Sulfate as SO4	mg/L	23.5	23.3	10.0	0.8	20	110	X412206 - X4C0342-01	

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0342**
Victor, CO 80860	Reported: 04-Apr-24 15:15

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
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.
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

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4C0429-02 (Ground Water)**

Sampled: 26-Mar-24 11:02
Received: 27-Mar-24
Sampled By: PB

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**	409	mg/L	2.00	1.38	20	X414144	JRR	04/05/24 11:47	D1
EPA 200.7	**Magnesium**	1700	mg/L	10.0	1.80	20	X414144	JRR	04/05/24 11:47	D2
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X414144	JRR	04/05/24 11:47	D1
SM 2340 B	**Hardness (as CaCO3)**	8080	mg/L	43.7	9.14		N/A		04/05/24 10:37	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	4030	mg/L	0.800	0.540	10	X414049	NMS	04/04/24 15:56	D2
EPA 200.7	Barium	< 0.0200	mg/L	0.0200	0.0190	10	X414049	NMS	04/05/24 10:37	D1
EPA 200.7	**Beryllium**	0.641	mg/L	0.0200	0.00800	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	Boron	< 0.400	mg/L	0.400	0.0780	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Cadmium**	8.05	mg/L	0.0200	0.0160	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Calcium**	435	mg/L	1.00	0.690	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Chromium**	0.803	mg/L	0.0600	0.0200	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Cobalt**	19.0	mg/L	0.0600	0.0460	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Copper**	17.4	mg/L	0.100	0.0270	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Iron**	277	mg/L	1.00	0.560	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	Lead	< 0.0750	mg/L	0.0750	0.0490	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Lithium**	2.82	mg/L	0.400	0.250	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Magnesium**	1710	mg/L	5.00	0.900	10	X414049	NMS	04/05/24 10:37	D2
EPA 200.7	**Manganese**	1230	mg/L	1.60	0.680	200	X414049	NMS	04/04/24 16:37	D2
EPA 200.7	Molybdenum	< 0.0800	mg/L	0.0800	0.0340	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Nickel**	15.9	mg/L	0.100	0.0480	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Potassium**	9.53	mg/L	5.00	1.80	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	Silver	< 0.0500	mg/L	0.0500	0.0190	10	X414049	NMS	04/05/24 10:37	D1
EPA 200.7	**Sodium**	13.0	mg/L	5.00	1.20	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	Vanadium	< 0.0500	mg/L	0.0500	0.0190	10	X414049	NMS	04/04/24 15:56	D1
EPA 200.7	**Zinc**	341	mg/L	2.00	1.08	200	X414049	NMS	04/04/24 16:37	D2
EPA 200.8	Antimony	< 0.250	mg/L	0.250	0.180	250	X413183	SMU	04/02/24 10:11	D1
EPA 200.8	Arsenic	< 0.250	mg/L	0.250	0.0525	250	X413183	SMU	04/02/24 10:11	D1
EPA 200.8	Selenium	< 0.250	mg/L	0.250	0.0600	250	X413183	SMU	04/02/24 10:11	D1
EPA 200.8	Thallium	< 0.0500	mg/L	0.0500	0.0200	250	X413183	SMU	04/02/24 10:11	D1
EPA 200.8	**Uranium**	13.9	mg/L	0.0250	0.0130	250	X413183	SMU	04/02/24 10:11	D2
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X414128	MAC	04/08/24 14:14	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0100	mg/L	0.0100	0.0096	2	X414018	DD	04/03/24 11:59	D1
EPA 335.4	**Cyanide (total)**	0.0276	mg/L	0.0050	0.0038		X414065	DD	04/03/24 12:48	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X414166	DD	04/05/24 10:32	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0020	2	X414022	DD	04/03/24 14:07	D1,Q12
SM 2310 B	**Acidity to pH 8.3**	24800	mg/L as CaCO3	10.0			X414014	MWD	04/03/24 08:55	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:13	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:13	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:13	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:13	
SM 2540 C	**Total Diss. Solids**	42300	mg/L	100			X413137	TJL	03/29/24 14:05	D2,E11
SM 2540 D	**Total Susp. Solids**	236	mg/L	5.0			X413138	TJL	03/29/24 15:10	
SM 4500 H B	**pH @18.3°C**	2.8	pH Units				X413174	MWD	03/28/24 14:13	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4C0429-02 (Ground Water)**

Sampled: 26-Mar-24 11:02
Received: 27-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	43.9	mg/L	10.0	1.10	50	X413120	RS	03/27/24 16:47	D2
EPA 300.0	**Fluoride**	622	mg/L	100	17.0	1000	X413120	RS	03/27/24 17:05	D2
EPA 300.0	**Nitrate as N**	2.83	mg/L	2.50	0.650	50	X413120	RS	03/27/24 16:47	D1
EPA 300.0	Nitrate+Nitrite as N	< 5.00	mg/L	5.00	2.20	50	X413120	RS	03/27/24 16:47	D1
EPA 300.0	Nitrite as N	< 2.50	mg/L	2.50	1.55	50	X413120	RS	03/27/24 16:47	D1
EPA 300.0	**Sulfate as SO4**	32100	mg/L	300	180	1000	X413120	RS	03/27/24 17:05	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 675 meq/L Anion Sum: 702 meq/L C/A Balance: -1.97 % Calculated TDS: 34911 TDS/cTDS: 1.21

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4C0429-03 (Ground Water)**

Sampled: 26-Mar-24 12:13
Received: 27-Mar-24
Sampled By: PB

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**	90.3	mg/L	0.100	0.069		X414144	JRR	04/05/24 11:51	
EPA 200.7	**Magnesium**	42.4	mg/L	0.500	0.090		X414144	JRR	04/05/24 11:51	
EPA 200.7	**Potassium**	3.56	mg/L	0.50	0.18		X414144	JRR	04/05/24 11:51	
SM 2340 B	**Hardness (as CaCO3)**	395	mg/L	2.31	0.543		N/A		04/05/24 11:51	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X414049	NMS	04/04/24 16:00	
EPA 200.7	**Barium**	0.0506	mg/L	0.0020	0.0019		X414049	NMS	04/05/24 10:41	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X414049	NMS	04/04/24 16:00	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X414049	NMS	04/04/24 16:00	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X414049	NMS	04/04/24 16:00	
EPA 200.7	**Calcium**	93.4	mg/L	0.100	0.069		X414049	NMS	04/04/24 16:00	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X414049	NMS	04/04/24 16:00	
EPA 200.7	**Cobalt**	0.0074	mg/L	0.0060	0.0046		X414049	NMS	04/04/24 16:00	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X414049	NMS	04/04/24 16:00	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X414049	NMS	04/04/24 16:00	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X414049	NMS	04/04/24 16:00	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X414049	NMS	04/04/24 16:00	
EPA 200.7	**Magnesium**	41.3	mg/L	0.500	0.090		X414049	NMS	04/05/24 10:41	
EPA 200.7	**Manganese**	0.104	mg/L	0.0080	0.0034		X414049	NMS	04/04/24 16:00	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X414049	NMS	04/04/24 16:00	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X414049	NMS	04/04/24 16:00	
EPA 200.7	**Potassium**	1.69	mg/L	0.50	0.18		X414049	NMS	04/04/24 16:00	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X414049	NMS	04/05/24 10:41	
EPA 200.7	**Sodium**	13.3	mg/L	0.50	0.12		X414049	NMS	04/04/24 16:00	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X414049	NMS	04/04/24 16:00	
EPA 200.7	**Zinc**	0.0188	mg/L	0.0100	0.0054		X414049	NMS	04/04/24 16:00	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X413183	SMU	04/02/24 09:42	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X413183	SMU	04/02/24 09:42	
EPA 200.8	**Selenium**	0.00132	mg/L	0.00100	0.00024		X413183	SMU	04/02/24 09:42	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X413183	SMU	04/02/24 09:42	
EPA 200.8	**Uranium**	0.0246	mg/L	0.000100	0.000052		X413183	SMU	04/02/24 09:42	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X414128	MAC	04/08/24 14:17	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X414018	DD	04/03/24 12:01	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X414065	DD	04/03/24 12:51	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X414166	DD	04/05/24 10:34	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X414022	DD	04/03/24 14:13	
SM 2310 B	**Acidity to pH 8.3**	-174	mg/L as CaCO3	10.0			X414014	MWD	04/03/24 08:55	
SM 2320 B	**Total Alkalinity**	179	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:18	
SM 2320 B	**Bicarbonate**	179	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:18	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:18	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:18	
SM 2540 C	**Total Diss. Solids**	693	mg/L	10			X413137	TJL	03/29/24 14:05	
SM 2540 D	**Total Susp. Solids**	88.0	mg/L	5.0			X413138	TJL	03/29/24 15:10	
SM 4500 H B	**pH @18.1°C**	6.9	pH Units				X413174	MWD	03/28/24 14:18	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4C0429-03 (Ground Water)**

Sampled: 26-Mar-24 12:13
Received: 27-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	72.8	mg/L	10.0	1.10	50	X413120	RS	03/27/24 17:42	D2
EPA 300.0	**Fluoride**	0.398	mg/L	0.100	0.017		X413120	RS	03/27/24 17:24	
EPA 300.0	**Nitrate as N**	0.378	mg/L	0.050	0.013		X413120	RS	03/27/24 17:24	
EPA 300.0	**Nitrate+Nitrite as N**	0.378	mg/L	0.100	0.044		X413120	RS	03/27/24 17:24	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X413120	RS	03/27/24 17:24	
EPA 300.0	**Sulfate as SO4**	151	mg/L	15.0	9.00	50	X413120	RS	03/27/24 17:42	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 8.54 meq/L Anion Sum: 8.82 meq/L C/A Balance: -1.60 % Calculated TDS: 483 TDS/cTDS: 1.44

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4C0429-04 (Ground Water)**

Sampled: 26-Mar-24 14:20
Received: 27-Mar-24
Sampled By: PB

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**	48.5	mg/L	0.100	0.069		X414144	JRR	04/05/24 11:55	
EPA 200.7	**Magnesium**	6.22	mg/L	0.500	0.090		X414144	JRR	04/05/24 11:55	
EPA 200.7	**Potassium**	0.69	mg/L	0.50	0.18		X414144	JRR	04/05/24 11:55	
SM 2340 B	**Hardness (as CaCO3)**	147	mg/L	2.31	0.543		N/A		04/05/24 10:44	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X414049	NMS	04/04/24 16:03	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X414049	NMS	04/05/24 10:44	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X414049	NMS	04/04/24 16:03	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X414049	NMS	04/04/24 16:03	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X414049	NMS	04/04/24 16:03	
EPA 200.7	**Calcium**	49.9	mg/L	0.100	0.069		X414049	NMS	04/04/24 16:03	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X414049	NMS	04/04/24 16:03	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X414049	NMS	04/04/24 16:03	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X414049	NMS	04/04/24 16:03	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X414049	NMS	04/04/24 16:03	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X414049	NMS	04/04/24 16:03	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X414049	NMS	04/04/24 16:03	
EPA 200.7	**Magnesium**	6.10	mg/L	0.500	0.090		X414049	NMS	04/05/24 10:44	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X414049	NMS	04/04/24 16:03	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X414049	NMS	04/04/24 16:03	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X414049	NMS	04/04/24 16:03	
EPA 200.7	**Potassium**	0.86	mg/L	0.50	0.18		X414049	NMS	04/04/24 16:03	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X414049	NMS	04/05/24 10:44	
EPA 200.7	**Sodium**	24.8	mg/L	0.50	0.12		X414049	NMS	04/04/24 16:03	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X414049	NMS	04/04/24 16:03	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X414049	NMS	04/04/24 16:03	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X413183	SMU	04/02/24 10:00	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X413183	SMU	04/02/24 10:00	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X413183	SMU	04/02/24 10:00	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X413183	SMU	04/02/24 10:00	
EPA 200.8	**Uranium**	0.00490	mg/L	0.000100	0.000052		X413183	SMU	04/02/24 10:00	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X414128	MAC	04/08/24 14:19	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X414018	DD	04/03/24 12:03	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X414065	DD	04/03/24 12:54	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X414166	DD	04/05/24 10:36	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X414022	DD	04/03/24 14:14	
SM 2310 B	**Acidity to pH 8.3**	-48.1	mg/L as CaCO3	10.0			X414014	MWD	04/03/24 08:55	
SM 2320 B	**Total Alkalinity**	48.8	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:25	
SM 2320 B	**Bicarbonate**	48.8	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:25	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:25	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X413174	MWD	03/28/24 14:25	
SM 2540 C	**Total Diss. Solids**	291	mg/L	10			X413137	TJL	03/29/24 14:05	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X413138	TJL	03/29/24 15:10	
SM 4500 H B	**pH @18.1°C**	6.5	pH Units				X413174	MWD	03/28/24 14:25	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4C0429-04 (Ground Water)**

Sampled: 26-Mar-24 14:20
Received: 27-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	64.7	mg/L	2.00	0.22	10	X413120	RS	03/27/24 14:02	D2,M4
EPA 300.0	**Fluoride**	1.88	mg/L	0.100	0.017		X413120	RS	03/27/24 13:43	
EPA 300.0	**Nitrate as N**	1.15	mg/L	0.050	0.013		X413120	RS	03/27/24 13:43	
EPA 300.0	**Nitrate+Nitrite as N**	1.15	mg/L	0.100	0.044		X413120	RS	03/27/24 13:43	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X413120	RS	03/27/24 13:43	
EPA 300.0	**Sulfate as SO4**	60.6	mg/L	3.00	1.80	10	X413120	RS	03/27/24 14:02	D2,M4
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.03 meq/L Anion Sum: 4.24 meq/L C/A Balance: -2.56 % Calculated TDS: 242 TDS/cTDS: 1.20

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

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	X414144	05-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X414144	05-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X414144	05-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X414049	04-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X414049	04-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X414049	04-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X414049	04-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X414049	04-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X414049	04-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X414049	04-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X414049	04-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X414049	04-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X414049	04-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X414049	04-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X414049	04-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X414049	04-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X414049	04-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X414049	04-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X414049	04-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X414049	04-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X414049	04-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X414049	04-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X414049	04-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X414049	04-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X413183	01-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X413183	01-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X413183	01-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X413183	01-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X413183	02-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X414128	08-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X414018	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X414065	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X414166	05-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X414022	03-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X414014	03-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X413174	28-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X413174	28-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X413174	28-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X413174	28-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X413137	29-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X413138	29-Mar-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X413120	27-Mar-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X413120	27-Mar-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X413120	27-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X413120	27-Mar-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X413120	27-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X413120	27-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

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	19.2	20.0	96	85 - 115	X414144	05-Apr-24	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.5	85 - 115	X414144	05-Apr-24	
EPA 200.7	Potassium	mg/L	19.2	20.0	95.9	85 - 115	X414144	05-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.02	1.00	102	85 - 115	X414049	04-Apr-24	
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X414049	04-Apr-24	
EPA 200.7	Beryllium	mg/L	0.984	1.00	98.4	85 - 115	X414049	04-Apr-24	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X414049	04-Apr-24	
EPA 200.7	Cadmium	mg/L	1.02	1.00	102	85 - 115	X414049	04-Apr-24	
EPA 200.7	Calcium	mg/L	19.6	20.0	98.1	85 - 115	X414049	04-Apr-24	
EPA 200.7	Chromium	mg/L	1.03	1.00	103	85 - 115	X414049	04-Apr-24	
EPA 200.7	Cobalt	mg/L	1.01	1.00	101	85 - 115	X414049	04-Apr-24	
EPA 200.7	Copper	mg/L	1.02	1.00	102	85 - 115	X414049	04-Apr-24	
EPA 200.7	Iron	mg/L	10.0	10.0	100	85 - 115	X414049	04-Apr-24	
EPA 200.7	Lead	mg/L	1.03	1.00	103	85 - 115	X414049	04-Apr-24	
EPA 200.7	Lithium	mg/L	1.01	1.00	101	85 - 115	X414049	04-Apr-24	
EPA 200.7	Magnesium	mg/L	21.2	20.0	106	85 - 115	X414049	04-Apr-24	
EPA 200.7	Manganese	mg/L	1.04	1.00	104	85 - 115	X414049	04-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.03	1.00	103	85 - 115	X414049	04-Apr-24	
EPA 200.7	Nickel	mg/L	1.01	1.00	101	85 - 115	X414049	04-Apr-24	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.6	85 - 115	X414049	04-Apr-24	
EPA 200.7	Silver	mg/L	0.0529	0.0500	106	85 - 115	X414049	05-Apr-24	
EPA 200.7	Sodium	mg/L	18.8	19.0	98.9	85 - 115	X414049	04-Apr-24	
EPA 200.7	Vanadium	mg/L	1.04	1.00	104	85 - 115	X414049	04-Apr-24	
EPA 200.7	Zinc	mg/L	1.04	1.00	104	85 - 115	X414049	04-Apr-24	
EPA 200.8	Antimony	mg/L	0.0263	0.0250	105	85 - 115	X413183	01-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0270	0.0250	108	85 - 115	X413183	01-Apr-24	
EPA 200.8	Selenium	mg/L	0.0254	0.0250	102	85 - 115	X413183	01-Apr-24	
EPA 200.8	Thallium	mg/L	0.0270	0.0250	108	85 - 115	X413183	01-Apr-24	
EPA 200.8	Uranium	mg/L	0.0263	0.0250	105	85 - 115	X413183	01-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00197	0.00200	98.5	85 - 115	X414128	08-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.109	0.100	109	90 - 110	X414018	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X414065	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.984	1.00	98.4	90 - 110	X414166	05-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0990	0.100	99.0	90 - 110	X414022	03-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1630	1640	99.2	95.4 - 104	X414014	03-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.3	9.93	104	96.4 - 105	X413174	28-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X413174	28-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	402	397	101	96.4 - 105	X413174	28-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X413138	29-Mar-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.91	3.00	97.1	90 - 110	X413120	27-Mar-24	
EPA 300.0	Fluoride	mg/L	1.92	2.00	96.0	90 - 110	X413120	27-Mar-24	
EPA 300.0	Nitrate as N	mg/L	1.93	2.00	96.5	90 - 110	X413120	27-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.35	4.50	96.6	90 - 110	X413120	27-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.42	2.50	96.7	90 - 110	X413120	27-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	10.0	10.0	100	90 - 110	X413120	27-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

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 CaCO3	2130	2120	0.7	20	X414014 - X4C0359-06	03-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X413174 - X4C0429-02	28-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X413174 - X4C0429-02	28-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X413174 - X4C0429-02	28-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X413174 - X4C0429-02	28-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	198	203	2.5	10	X413137 - X4C0398-02	29-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	765	793	3.6	10	X413137 - X4C0431-06	29-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	39.0	39.0	0.0	10	X413138 - X4C0398-02	29-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	7.0	7.0	0.0	10	X413138 - X4C0431-06	29-Mar-24	
SM 4500 H B	pH @18.2°C	pH Units	2.9	2.8	0.4	20	X413174 - X4C0429-02	28-Mar-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	57.9	38.3	20.0	98	70 - 130	X414144 - X4D0048-01	05-Apr-24	
EPA 200.7	Magnesium	mg/L	43.7	23.8	20.0	99.7	70 - 130	X414144 - X4D0048-01	05-Apr-24	
EPA 200.7	Potassium	mg/L	24.4	5.56	20.0	94.4	70 - 130	X414144 - X4D0048-01	05-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.00	<0.080	1.00	100	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Aluminum	mg/L	1.02	<0.080	1.00	102	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Barium	mg/L	0.960	<0.0020	1.00	96.0	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Barium	mg/L	1.07	0.0979	1.00	96.8	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Beryllium	mg/L	1.01	<0.00200	1.00	101	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Beryllium	mg/L	1.03	<0.00200	1.00	103	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Boron	mg/L	1.04	<0.0400	1.00	103	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Boron	mg/L	1.07	<0.0400	1.00	104	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Cadmium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Cadmium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Calcium	mg/L	68.2	49.9	20.0	91.5	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Calcium	mg/L	123	105	20.0	87.8	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Chromium	mg/L	1.02	<0.0060	1.00	102	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Cobalt	mg/L	0.997	<0.0060	1.00	99.7	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Cobalt	mg/L	0.990	<0.0060	1.00	99.0	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Copper	mg/L	1.02	<0.0100	1.00	102	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Copper	mg/L	1.05	<0.0100	1.00	105	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Iron	mg/L	9.84	<0.100	10.0	98.4	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Iron	mg/L	9.92	<0.100	10.0	99.2	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	101	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	101	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Magnesium	mg/L	26.3	6.10	20.0	101	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Magnesium	mg/L	52.1	33.4	20.0	93.3	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Manganese	mg/L	1.02	<0.0080	1.00	101	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Manganese	mg/L	1.04	<0.0080	1.00	103	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.05	<0.0080	1.00	105	70 - 130	X414049 - X4C0429-04	04-Apr-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

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	Molybdenum	mg/L	1.06	<0.0080	1.00	106	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Nickel	mg/L	1.00	<0.0100	1.00	99.8	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Nickel	mg/L	0.995	<0.0100	1.00	99.0	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Potassium	mg/L	20.4	0.86	20.0	97.6	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Potassium	mg/L	21.6	1.80	20.0	99.2	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Silver	mg/L	0.0593	<0.0050	0.0500	119	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Silver	mg/L	0.0565	<0.0050	0.0500	113	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Sodium	mg/L	42.4	24.8	19.0	92.7	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Sodium	mg/L	60.8	42.8	19.0	95.2	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Vanadium	mg/L	1.06	<0.0050	1.00	106	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.7	Zinc	mg/L	1.05	<0.0100	1.00	105	70 - 130	X414049 - X4C0429-04	04-Apr-24	
EPA 200.7	Zinc	mg/L	1.05	<0.0100	1.00	105	70 - 130	X414049 - X4C0419-07	04-Apr-24	
EPA 200.8	Antimony	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Antimony	mg/L	0.0287	<0.00200	0.0250	115	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
EPA 200.8	Arsenic	mg/L	0.0279	<0.00100	0.0250	112	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0273	<0.0100	0.0250	109	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
EPA 200.8	Selenium	mg/L	0.0282	0.00178	0.0250	106	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Selenium	mg/L	0.0336	<0.0100	0.0250	115	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
EPA 200.8	Thallium	mg/L	0.0283	<0.000200	0.0250	113	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Thallium	mg/L	0.0296	<0.00200	0.0250	118	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
EPA 200.8	Uranium	mg/L	0.0332	0.00502	0.0250	113	70 - 130	X413183 - X4C0287-01	01-Apr-24	
EPA 200.8	Uranium	mg/L	0.0645	0.0378	0.0250	107	70 - 130	X413183 - X4C0429-01	02-Apr-24	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00192	<0.000200	0.00200	96.0	70 - 130	X414128 - X4C0429-01	08-Apr-24	
EPA 245.1	Mercury	mg/L	0.00201	<0.000200	0.00200	101	70 - 130	X414128 - X4C0465-01	08-Apr-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.117	<0.0050	0.100	117	79 - 121	X414018 - X4C0342-01	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.119	0.0134	0.100	106	90 - 110	X414065 - X4C0462-05	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.117	0.0109	0.100	106	90 - 110	X414065 - X4C0462-03	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.05	0.037	1.00	101	90 - 110	X414166 - X4C0420-02	05-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X414166 - X4C0420-03	05-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	<0.0050	0.100	99.0	82 - 118	X414022 - X4C0342-01	03-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	66.4	64.7	3.00	0.30R>S	90 - 110	X413120 - X4C0429-04	27-Mar-24	D2,M4
EPA 300.0	Fluoride	mg/L	3.82	1.88	2.00	97.0	90 - 110	X413120 - X4C0429-04	27-Mar-24	
EPA 300.0	Nitrate as N	mg/L	3.15	1.15	2.00	99.8	90 - 110	X413120 - X4C0429-04	27-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.13	1.15	4.00	99.3	90 - 110	X413120 - X4C0429-04	27-Mar-24	
EPA 300.0	Nitrite as N	mg/L	1.98	<0.050	2.00	98.8	90 - 110	X413120 - X4C0429-04	27-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	69.5	60.6	10.0	0.30R>S	90 - 110	X413120 - X4C0429-04	27-Mar-24	D2,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	56.4	57.9	20.0	3.0	20	91	X414144 - X4D0048-01	
EPA 200.7	Magnesium	mg/L	43.1	43.7	20.0	1.3	20	96.8	X414144 - X4D0048-01	
EPA 200.7	Potassium	mg/L	23.8	24.4	20.0	2.5	20	91.4	X414144 - X4D0048-01	

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0429**
Reported: 11-Apr-24 14:39

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 (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	1.00	1.00	0.2	20	101	X414049 - X4C0429-04	
EPA 200.7	Barium	mg/L	0.990	0.960	1.00	3.1	20	99.0	X414049 - X4C0429-04	
EPA 200.7	Beryllium	mg/L	0.994	1.01	1.00	1.5	20	99.4	X414049 - X4C0429-04	
EPA 200.7	Boron	mg/L	1.04	1.04	1.00	0.5	20	103	X414049 - X4C0429-04	
EPA 200.7	Cadmium	mg/L	1.01	1.02	1.00	0.8	20	101	X414049 - X4C0429-04	
EPA 200.7	Calcium	mg/L	68.1	68.2	20.0	0.2	20	90.8	X414049 - X4C0429-04	
EPA 200.7	Chromium	mg/L	1.03	1.02	1.00	0.3	20	103	X414049 - X4C0429-04	
EPA 200.7	Cobalt	mg/L	0.988	0.997	1.00	0.8	20	98.8	X414049 - X4C0429-04	
EPA 200.7	Copper	mg/L	1.02	1.02	1.00	0.3	20	102	X414049 - X4C0429-04	
EPA 200.7	Iron	mg/L	9.91	9.84	10.0	0.7	20	99.1	X414049 - X4C0429-04	
EPA 200.7	Lead	mg/L	1.02	1.03	1.00	1.4	20	102	X414049 - X4C0429-04	
EPA 200.7	Lithium	mg/L	1.01	1.01	1.00	0.4	20	101	X414049 - X4C0429-04	
EPA 200.7	Magnesium	mg/L	26.9	26.3	20.0	2.1	20	104	X414049 - X4C0429-04	
EPA 200.7	Manganese	mg/L	1.03	1.02	1.00	0.6	20	102	X414049 - X4C0429-04	
EPA 200.7	Molybdenum	mg/L	1.04	1.05	1.00	0.6	20	104	X414049 - X4C0429-04	
EPA 200.7	Nickel	mg/L	0.994	1.00	1.00	1.0	20	98.8	X414049 - X4C0429-04	
EPA 200.7	Potassium	mg/L	20.6	20.4	20.0	1.0	20	98.6	X414049 - X4C0429-04	
EPA 200.7	Silver	mg/L	0.0581	0.0593	0.0500	2.1	20	116	X414049 - X4C0429-04	
EPA 200.7	Sodium	mg/L	42.6	42.4	19.0	0.4	20	93.6	X414049 - X4C0429-04	
EPA 200.7	Vanadium	mg/L	1.04	1.04	1.00	0.4	20	104	X414049 - X4C0429-04	
EPA 200.7	Zinc	mg/L	1.04	1.05	1.00	1.3	20	104	X414049 - X4C0429-04	
EPA 200.8	Antimony	mg/L	0.0268	0.0277	0.0250	3.3	20	107	X413183 - X4C0287-01	
EPA 200.8	Arsenic	mg/L	0.0274	0.0279	0.0250	1.9	20	110	X413183 - X4C0287-01	
EPA 200.8	Selenium	mg/L	0.0287	0.0282	0.0250	1.7	20	108	X413183 - X4C0287-01	
EPA 200.8	Thallium	mg/L	0.0276	0.0283	0.0250	2.3	20	111	X413183 - X4C0287-01	
EPA 200.8	Uranium	mg/L	0.0323	0.0332	0.0250	2.6	20	109	X413183 - X4C0287-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00205	0.00192	0.00200	6.6	20	103	X414128 - X4C0429-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.127	0.117	0.100	8.2	11	127	X414018 - X4C0342-01	M1
EPA 335.4	Cyanide (total)	mg/L	0.122	0.119	0.100	2.3	20	109	X414065 - X4C0462-05	
EPA 350.1	Ammonia as N	mg/L	1.07	1.05	1.00	1.6	20	103	X414166 - X4C0420-02	
OIA 1677	Cyanide (WAD)	mg/L	0.0960	0.101	0.100	5.1	11	94.0	X414022 - X4C0342-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	66.5	66.4	3.00	0.2	20	0.30R>S	X413120 - X4C0429-04	D2,M4
EPA 300.0	Fluoride	mg/L	3.80	3.82	2.00	0.5	20	96.0	X413120 - X4C0429-04	
EPA 300.0	Nitrate as N	mg/L	3.16	3.15	2.00	0.2	20	100	X413120 - X4C0429-04	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.16	5.13	4.00	0.7	20	100	X413120 - X4C0429-04	
EPA 300.0	Nitrite as N	mg/L	2.01	1.98	2.00	1.5	20	100	X413120 - X4C0429-04	
EPA 300.0	Sulfate as SO4	mg/L	69.5	69.5	10.0	0.0	20	0.30R>S	X413120 - X4C0429-04	D2,M4

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0429**
Victor, CO 80860	Reported: 11-Apr-24 14:39

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
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.
N1	See case narrative.
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

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0456**
Victor, CO 80860	Reported: 15-Apr-24 14:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-8B	X4C0456-01	Ground Water	27-Mar-24 09:45	BD	28-Mar-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: X4C0456

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4C0456**
Reported: 15-Apr-24 14:40

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4C0456-01 (Ground Water)**

Sampled: 27-Mar-24 09:45
Received: 28-Mar-24
Sampled By: BD

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**	44.7	mg/L	0.100	0.069		X414174	NMS	04/09/24 13:43	
EPA 200.7	**Magnesium**	7.28	mg/L	0.500	0.090		X414174	NMS	04/09/24 13:43	
EPA 200.7	**Potassium**	15.5	mg/L	0.50	0.18		X414174	NMS	04/09/24 13:43	
SM 2340 B	**Hardness (as CaCO3)**	142	mg/L	2.31	0.543		N/A		04/08/24 12:42	
SM 2340 B	**Hardness (as CaCO3)**	140	mg/L	2.31	0.543		N/A		04/15/24 12:46	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X414218	NMS	04/15/24 12:46	
EPA 200.7	**Barium**	0.0058	mg/L	0.0020	0.0019		X414218	NMS	04/15/24 12:46	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X414218	NMS	04/15/24 12:46	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X414218	NMS	04/15/24 12:46	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X414218	NMS	04/15/24 12:46	
EPA 200.7	**Calcium**	44.1	mg/L	0.100	0.069		X414218	NMS	04/15/24 12:46	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X414218	NMS	04/15/24 12:46	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X414218	NMS	04/15/24 12:46	
EPA 200.7	**Copper**	0.0546	mg/L	0.0100	0.0027		X414218	NMS	04/15/24 12:46	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X414218	NMS	04/15/24 12:46	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X414218	NMS	04/15/24 12:46	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X414218	NMS	04/15/24 12:46	
EPA 200.7	**Magnesium**	7.21	mg/L	0.500	0.090		X414218	NMS	04/15/24 12:46	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X414218	NMS	04/15/24 12:46	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X414218	NMS	04/15/24 12:46	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X414218	NMS	04/15/24 12:46	
EPA 200.7	**Potassium**	15.1	mg/L	0.50	0.18		X414218	NMS	04/15/24 12:46	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X414218	NMS	04/15/24 12:46	
EPA 200.7	**Sodium**	25.1	mg/L	0.50	0.12		X414218	NMS	04/15/24 12:46	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X414218	NMS	04/15/24 12:46	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X414218	NMS	04/15/24 12:46	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X413185	SMU	04/03/24 18:41	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X413185	SMU	04/03/24 18:41	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X413185	SMU	04/03/24 18:41	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X413185	SMU	04/03/24 18:41	
EPA 200.8	**Uranium**	0.00297	mg/L	0.000100	0.000052		X413185	SMU	04/03/24 18:41	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X414128	MAC	04/08/24 14:40	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X414018	DD	04/03/24 12:07	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X414065	DD	04/03/24 12:56	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X414167	DD	04/05/24 11:16	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X414022	DD	04/03/24 14:17	
SM 2310 B	**Acidity to pH 8.3**	-48.1	mg/L as CaCO3	10.0			X414014	MWD	04/03/24 08:55	
SM 2320 B	**Total Alkalinity**	40.9	mg/L as CaCO3	1.0			X413200	MWD	03/29/24 13:10	
SM 2320 B	**Bicarbonate**	40.9	mg/L as CaCO3	1.0			X413200	MWD	03/29/24 13:10	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X413200	MWD	03/29/24 13:10	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X413200	MWD	03/29/24 13:10	
SM 2540 C	**Total Diss. Solids**	320	mg/L	10			X413210	TJL	04/01/24 13:40	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X413211	TJL	04/01/24 15:00	
SM 4500 H B	**pH @18.8°C**	6.7	pH Units				X413200	MWD	03/29/24 13:10	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0456**
Reported: 15-Apr-24 14:40

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4C0456-01 (Ground Water)**

Sampled: 27-Mar-24 09:45
Received: 28-Mar-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	47.6	mg/L	2.00	0.22	10	X413145	KAG	03/28/24 15:18	D2
EPA 300.0	**Fluoride**	2.14	mg/L	0.100	0.017		X413145	KAG	03/28/24 15:00	
EPA 300.0	**Nitrate as N**	2.03	mg/L	0.050	0.013		X413145	KAG	03/28/24 15:00	
EPA 300.0	**Nitrate+Nitrite as N**	2.03	mg/L	0.100	0.044		X413145	KAG	03/28/24 15:00	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X413145	KAG	03/28/24 15:00	
EPA 300.0	**Sulfate as SO4**	91.0	mg/L	3.00	1.80	10	X413145	KAG	03/28/24 15:18	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.29 meq/L Anion Sum: 4.31 meq/L C/A Balance: -0.30 % Calculated TDS: 266 TDS/cTDS: 1.20

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

Kathryn Salter
Project Manager

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0456**
Reported: 15-Apr-24 14:40

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	X414174	08-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X414174	08-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X414174	08-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X414218	08-Apr-24	
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X414218	15-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X414218	08-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X414218	15-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X414218	08-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X414218	15-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X414218	08-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X414218	15-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X414218	08-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X414218	15-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X414218	08-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X414218	15-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X414218	08-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X414218	15-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X414218	08-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X414218	15-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X414218	08-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X414218	15-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X414218	08-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X414218	15-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X414218	08-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X414218	15-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X414218	08-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X414218	15-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X414218	08-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X414218	15-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X414218	08-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X414218	15-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X414218	08-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X414218	15-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X414218	08-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X414218	15-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X414218	08-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X414218	15-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X414218	08-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X414218	15-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X414218	08-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X414218	15-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X414218	08-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X414218	15-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X414218	08-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X414218	15-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X413185	03-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X413185	03-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X413185	03-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X413185	03-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X413185	03-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X414128	08-Apr-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0456**
Reported: 15-Apr-24 14:40

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X414018	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X414065	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X414167	05-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X414167	12-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X414022	03-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X414014	03-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X413200	29-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X413200	29-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X413200	29-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X413200	29-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X413210	01-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X413211	01-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X413145	28-Mar-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X413145	28-Mar-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X413145	28-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X413145	28-Mar-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X413145	28-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X413145	28-Mar-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	X414174	08-Apr-24	
EPA 200.7	Magnesium	mg/L	20.6	20.0	103	85 - 115	X414174	08-Apr-24	
EPA 200.7	Potassium	mg/L	19.1	20.0	95.4	85 - 115	X414174	08-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.979	1.00	97.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Aluminum	mg/L	0.939	1.00	93.9	85 - 115	X414218	15-Apr-24	
EPA 200.7	Barium	mg/L	0.989	1.00	98.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Barium	mg/L	0.959	1.00	95.9	85 - 115	X414218	15-Apr-24	
EPA 200.7	Beryllium	mg/L	0.960	1.00	96.0	85 - 115	X414218	08-Apr-24	
EPA 200.7	Beryllium	mg/L	0.992	1.00	99.2	85 - 115	X414218	15-Apr-24	
EPA 200.7	Boron	mg/L	0.902	1.00	90.2	85 - 115	X414218	08-Apr-24	
EPA 200.7	Boron	mg/L	0.950	1.00	95.0	85 - 115	X414218	15-Apr-24	
EPA 200.7	Cadmium	mg/L	0.916	1.00	91.6	85 - 115	X414218	08-Apr-24	
EPA 200.7	Cadmium	mg/L	0.945	1.00	94.5	85 - 115	X414218	15-Apr-24	
EPA 200.7	Calcium	mg/L	18.8	20.0	94.1	85 - 115	X414218	08-Apr-24	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.5	85 - 115	X414218	15-Apr-24	
EPA 200.7	Chromium	mg/L	0.905	1.00	90.5	85 - 115	X414218	08-Apr-24	
EPA 200.7	Chromium	mg/L	0.951	1.00	95.1	85 - 115	X414218	15-Apr-24	
EPA 200.7	Cobalt	mg/L	0.919	1.00	91.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Cobalt	mg/L	0.930	1.00	93.0	85 - 115	X414218	15-Apr-24	
EPA 200.7	Copper	mg/L	0.873	1.00	87.3	85 - 115	X414218	08-Apr-24	
EPA 200.7	Copper	mg/L	0.953	1.00	95.3	85 - 115	X414218	15-Apr-24	
EPA 200.7	Iron	mg/L	9.49	10.0	94.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Iron	mg/L	9.99	10.0	99.9	85 - 115	X414218	15-Apr-24	
EPA 200.7	Lead	mg/L	0.919	1.00	91.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Lead	mg/L	0.946	1.00	94.6	85 - 115	X414218	15-Apr-24	
EPA 200.7	Lithium	mg/L	0.949	1.00	94.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Lithium	mg/L	0.940	1.00	94.0	85 - 115	X414218	15-Apr-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0456**
Reported: 15-Apr-24 14:40

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Dissolved) (Continued)									
EPA 200.7	Magnesium	mg/L	19.8	20.0	99.0	85 - 115	X414218	08-Apr-24	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.6	85 - 115	X414218	15-Apr-24	
EPA 200.7	Manganese	mg/L	0.988	1.00	98.8	85 - 115	X414218	08-Apr-24	
EPA 200.7	Manganese	mg/L	0.951	1.00	95.1	85 - 115	X414218	15-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.907	1.00	90.7	85 - 115	X414218	08-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.959	1.00	95.9	85 - 115	X414218	15-Apr-24	
EPA 200.7	Nickel	mg/L	0.924	1.00	92.4	85 - 115	X414218	08-Apr-24	
EPA 200.7	Nickel	mg/L	0.935	1.00	93.5	85 - 115	X414218	15-Apr-24	
EPA 200.7	Potassium	mg/L	19.1	20.0	95.6	85 - 115	X414218	08-Apr-24	
EPA 200.7	Potassium	mg/L	19.9	20.0	99.3	85 - 115	X414218	15-Apr-24	
EPA 200.7	Silver	mg/L	0.0533	0.0500	107	85 - 115	X414218	08-Apr-24	
EPA 200.7	Silver	mg/L	0.0552	0.0500	110	85 - 115	X414218	15-Apr-24	
EPA 200.7	Sodium	mg/L	18.5	19.0	97.2	85 - 115	X414218	08-Apr-24	
EPA 200.7	Sodium	mg/L	18.8	19.0	98.9	85 - 115	X414218	15-Apr-24	
EPA 200.7	Vanadium	mg/L	0.873	1.00	87.3	85 - 115	X414218	08-Apr-24	
EPA 200.7	Vanadium	mg/L	0.964	1.00	96.4	85 - 115	X414218	15-Apr-24	
EPA 200.7	Zinc	mg/L	0.924	1.00	92.4	85 - 115	X414218	08-Apr-24	
EPA 200.7	Zinc	mg/L	0.944	1.00	94.4	85 - 115	X414218	15-Apr-24	
EPA 200.8	Antimony	mg/L	0.0267	0.0250	107	85 - 115	X413185	03-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0254	0.0250	101	85 - 115	X413185	03-Apr-24	
EPA 200.8	Selenium	mg/L	0.0266	0.0250	107	85 - 115	X413185	03-Apr-24	
EPA 200.8	Thallium	mg/L	0.0246	0.0250	98.3	85 - 115	X413185	03-Apr-24	
EPA 200.8	Uranium	mg/L	0.0243	0.0250	97.0	85 - 115	X413185	03-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00197	0.00200	98.5	85 - 115	X414128	08-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.109	0.100	109	90 - 110	X414018	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X414065	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.986	1.00	98.6	90 - 110	X414167	05-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.994	1.00	99.4	90 - 110	X414167	12-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0990	0.100	99.0	90 - 110	X414022	03-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1630	1640	99.2	95.4 - 104	X414014	03-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X413200	29-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	402	397	101	96.4 - 105	X413200	29-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X413211	01-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.95	3.00	98.4	90 - 110	X413145	28-Mar-24	
EPA 300.0	Fluoride	mg/L	1.95	2.00	97.6	90 - 110	X413145	28-Mar-24	
EPA 300.0	Nitrate as N	mg/L	1.95	2.00	97.7	90 - 110	X413145	28-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.44	4.50	98.7	90 - 110	X413145	28-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.49	2.50	99.4	90 - 110	X413145	28-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X413145	28-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0456**
Reported: 15-Apr-24 14:40

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 CaCO3	2130	2120	0.7	20	X414014 - X4C0359-06	03-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	40.8	40.9	0.2	20	X413200 - X4C0456-01	29-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	40.8	40.9	0.2	20	X413200 - X4C0456-01	29-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X413200 - X4C0456-01	29-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X413200 - X4C0456-01	29-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	251	253	0.8	10	X413210 - X4C0450-02	01-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X413211 - X4C0450-02	01-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X413211 - X4C0462-07	01-Apr-24	
SM 4500 H B	pH @18.8°C	pH Units	6.6	6.7	1.2	20	X413200 - X4C0456-01	29-Mar-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	350	318	20.0	0.30R>S	70 - 130	X414174 - X4C0431-01	08-Apr-24	M3
EPA 200.7	Calcium	mg/L	483	458	20.0	126	70 - 130	X414174 - X4C0459-02	09-Apr-24	D2
EPA 200.7	Magnesium	mg/L	79.1	55.3	20.0	119	70 - 130	X414174 - X4C0431-01	08-Apr-24	
EPA 200.7	Magnesium	mg/L	62.0	36.0	20.0	130	70 - 130	X414174 - X4C0459-02	08-Apr-24	
EPA 200.7	Potassium	mg/L	22.9	2.55	20.0	102	70 - 130	X414174 - X4C0431-01	08-Apr-24	
EPA 200.7	Potassium	mg/L	26.7	5.47	20.0	106	70 - 130	X414174 - X4C0459-02	08-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.06	<0.080	1.00	106	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Barium	mg/L	1.03	0.0069	1.00	103	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Beryllium	mg/L	0.989	<0.00200	1.00	98.8	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Boron	mg/L	0.962	<0.0400	1.00	94.6	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Cadmium	mg/L	0.963	<0.0020	1.00	96.3	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Calcium	mg/L	63.0	44.2	20.0	93.5	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Chromium	mg/L	0.943	<0.0060	1.00	94.3	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Cobalt	mg/L	0.949	<0.0060	1.00	94.9	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Copper	mg/L	0.953	0.0462	1.00	90.7	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Iron	mg/L	9.87	<0.100	10.0	98.7	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Lead	mg/L	0.945	<0.0075	1.00	94.5	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Lithium	mg/L	0.986	<0.040	1.00	98.6	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Magnesium	mg/L	27.8	7.40	20.0	102	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Manganese	mg/L	1.03	<0.0080	1.00	102	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.935	<0.0080	1.00	93.5	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Nickel	mg/L	0.952	<0.0100	1.00	95.2	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Potassium	mg/L	72.9	53.5	20.0	96.9	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Silver	mg/L	0.0568	<0.0050	0.0500	114	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Sodium	mg/L	44.5	25.4	19.0	100	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Vanadium	mg/L	0.913	<0.0050	1.00	91.3	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Zinc	mg/L	0.973	<0.0100	1.00	97.3	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.8	Antimony	mg/L	0.0273	0.00150	0.0250	103	70 - 130	X413185 - X4C0364-01	03-Apr-24	
EPA 200.8	Antimony	mg/L	0.0266	<0.00100	0.0250	106	70 - 130	X413185 - X4C0454-01	03-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0262	<0.00100	0.0250	103	70 - 130	X413185 - X4C0364-01	03-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0247	<0.00100	0.0250	95.3	70 - 130	X413185 - X4C0454-01	03-Apr-24	
EPA 200.8	Selenium	mg/L	0.0258	0.00115	0.0250	98.6	70 - 130	X413185 - X4C0364-01	03-Apr-24	
EPA 200.8	Selenium	mg/L	0.0228	<0.00100	0.0250	91.2	70 - 130	X413185 - X4C0454-01	03-Apr-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0456**
Reported: 15-Apr-24 14:40

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 200.8	Thallium	mg/L	0.0236	<0.000200	0.0250	93.8	70 - 130	X413185 - X4C0364-01	03-Apr-24	
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.1	70 - 130	X413185 - X4C0454-01	03-Apr-24	
EPA 200.8	Uranium	mg/L	0.0249	0.000982	0.0250	95.6	70 - 130	X413185 - X4C0364-01	03-Apr-24	
EPA 200.8	Uranium	mg/L	0.0389	0.0152	0.0250	94.9	70 - 130	X413185 - X4C0454-01	03-Apr-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00192	<0.000200	0.00200	96.0	70 - 130	X414128 - X4C0429-01	08-Apr-24	
EPA 245.1	Mercury	mg/L	0.00201	<0.000200	0.00200	101	70 - 130	X414128 - X4C0465-01	08-Apr-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.117	<0.0050	0.100	117	79 - 121	X414018 - X4C0342-01	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.119	0.0134	0.100	106	90 - 110	X414065 - X4C0462-05	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.117	0.0109	0.100	106	90 - 110	X414065 - X4C0462-03	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.43	0.280	1.00	115	90 - 110	X414167 - X4C0483-01	05-Apr-24	M1
EPA 350.1	Ammonia as N	mg/L	2.06	1.48	1.00	58.0	90 - 110	X414167 - X4C0483-03	12-Apr-24	D2,M4
OIA 1677	Cyanide (WAD)	mg/L	0.101	<0.0050	0.100	99.0	82 - 118	X414022 - X4C0342-01	03-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	12.3	9.83	3.00	81.2	90 - 110	X413145 - X4C0450-02	28-Mar-24	D2,M4
EPA 300.0	Fluoride	mg/L	2.08	0.220	2.00	93.0	90 - 110	X413145 - X4C0450-02	28-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.48	0.567	2.00	95.5	90 - 110	X413145 - X4C0450-02	28-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.48	0.578	4.00	97.5	90 - 110	X413145 - X4C0450-02	28-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	100	90 - 110	X413145 - X4C0450-02	28-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	39.2	29.5	10.0	96.8	90 - 110	X413145 - X4C0450-02	28-Mar-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	340	350	20.0	3.0	20	113	X414174 - X4C0431-01	
EPA 200.7	Magnesium	mg/L	76.1	79.1	20.0	3.8	20	104	X414174 - X4C0431-01	
EPA 200.7	Potassium	mg/L	22.5	22.9	20.0	1.8	20	99.6	X414174 - X4C0431-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.05	1.06	1.00	0.2	20	105	X414218 - X4C0456-01	
EPA 200.7	Barium	mg/L	1.05	1.03	1.00	1.2	20	104	X414218 - X4C0456-01	
EPA 200.7	Beryllium	mg/L	1.01	0.989	1.00	2.0	20	101	X414218 - X4C0456-01	
EPA 200.7	Boron	mg/L	0.973	0.962	1.00	1.2	20	95.8	X414218 - X4C0456-01	
EPA 200.7	Cadmium	mg/L	0.980	0.963	1.00	1.7	20	98.0	X414218 - X4C0456-01	
EPA 200.7	Calcium	mg/L	64.3	63.0	20.0	2.2	20	100	X414218 - X4C0456-01	
EPA 200.7	Chromium	mg/L	0.968	0.943	1.00	2.6	20	96.8	X414218 - X4C0456-01	
EPA 200.7	Cobalt	mg/L	0.967	0.949	1.00	1.9	20	96.7	X414218 - X4C0456-01	
EPA 200.7	Copper	mg/L	0.979	0.953	1.00	2.7	20	93.3	X414218 - X4C0456-01	
EPA 200.7	Iron	mg/L	10.1	9.87	10.0	2.5	20	101	X414218 - X4C0456-01	
EPA 200.7	Lead	mg/L	0.961	0.945	1.00	1.7	20	96.1	X414218 - X4C0456-01	
EPA 200.7	Lithium	mg/L	1.01	0.986	1.00	2.0	20	101	X414218 - X4C0456-01	
EPA 200.7	Magnesium	mg/L	28.4	27.8	20.0	2.0	20	105	X414218 - X4C0456-01	
EPA 200.7	Manganese	mg/L	1.05	1.03	1.00	1.8	20	104	X414218 - X4C0456-01	
EPA 200.7	Molybdenum	mg/L	0.951	0.935	1.00	1.7	20	95.1	X414218 - X4C0456-01	
EPA 200.7	Nickel	mg/L	0.969	0.952	1.00	1.8	20	96.9	X414218 - X4C0456-01	
EPA 200.7	Potassium	mg/L	74.7	72.9	20.0	2.4	20	106	X414218 - X4C0456-01	
EPA 200.7	Silver	mg/L	0.0582	0.0568	0.0500	2.4	20	116	X414218 - X4C0456-01	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0456**
Reported: 15-Apr-24 14:40

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 (Dissolved) (Continued)										
EPA 200.7	Sodium	mg/L	45.1	44.5	19.0	1.4	20	103	X414218 - X4C0456-01	
EPA 200.7	Vanadium	mg/L	0.938	0.913	1.00	2.7	20	93.8	X414218 - X4C0456-01	
EPA 200.7	Zinc	mg/L	0.991	0.973	1.00	1.9	20	99.1	X414218 - X4C0456-01	
EPA 200.8	Antimony	mg/L	0.0274	0.0273	0.0250	0.7	20	104	X413185 - X4C0364-01	
EPA 200.8	Arsenic	mg/L	0.0249	0.0262	0.0250	5.1	20	97.5	X413185 - X4C0364-01	
EPA 200.8	Selenium	mg/L	0.0259	0.0258	0.0250	0.5	20	99.0	X413185 - X4C0364-01	
EPA 200.8	Thallium	mg/L	0.0233	0.0236	0.0250	1.3	20	92.6	X413185 - X4C0364-01	
EPA 200.8	Uranium	mg/L	0.0245	0.0249	0.0250	1.7	20	93.9	X413185 - X4C0364-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00205	0.00192	0.00200	6.6	20	103	X414128 - X4C0429-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.127	0.117	0.100	8.2	11	127	X414018 - X4C0342-01	M1
EPA 335.4	Cyanide (total)	mg/L	0.122	0.119	0.100	2.3	20	109	X414065 - X4C0462-05	
EPA 350.1	Ammonia as N	mg/L	1.30	1.43	1.00	9.4	20	102	X414167 - X4C0483-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0960	0.101	0.100	5.1	11	94.0	X414022 - X4C0342-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	12.4	12.3	3.00	1.3	20	86.7	X413145 - X4C0450-02	D2,M4
EPA 300.0	Fluoride	mg/L	2.14	2.08	2.00	2.9	20	96.1	X413145 - X4C0450-02	
EPA 300.0	Nitrate as N	mg/L	2.54	2.48	2.00	2.5	20	98.7	X413145 - X4C0450-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.60	4.48	4.00	2.8	20	101	X413145 - X4C0450-02	
EPA 300.0	Nitrite as N	mg/L	2.06	2.00	2.00	3.1	20	103	X413145 - X4C0450-02	
EPA 300.0	Sulfate as SO4	mg/L	39.4	39.2	10.0	0.5	20	98.6	X413145 - X4C0450-02	

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0456**
Victor, CO 80860	Reported: 15-Apr-24 14:40

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
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.
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

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0478**
Victor, CO 80860	Reported: 11-Apr-24 15:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-4A	X4C0478-01	Ground Water	28-Mar-24 13:35	PB	29-Mar-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.

Case Narrative: X4C0478

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4C0478**
Reported: 11-Apr-24 15:04

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4C0478-01 (Ground Water)**

Sampled: 28-Mar-24 13:35
Received: 29-Mar-24
Sampled By: PB

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**	25.9	mg/L	0.100	0.069		X414175	NMS	04/08/24 13:41	
EPA 200.7	**Magnesium**	7.43	mg/L	0.500	0.090		X414175	NMS	04/08/24 13:41	
EPA 200.7	**Potassium**	1.25	mg/L	0.50	0.18		X414175	NMS	04/08/24 13:41	
SM 2340 B	**Hardness (as CaCO3)**	95.2	mg/L	2.31	0.543		N/A		04/08/24 12:49	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X414218	NMS	04/08/24 12:49	
EPA 200.7	**Barium**	0.139	mg/L	0.0020	0.0019		X414218	NMS	04/08/24 12:49	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X414218	NMS	04/08/24 12:49	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X414218	NMS	04/08/24 12:49	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X414218	NMS	04/08/24 12:49	
EPA 200.7	**Calcium**	27.1	mg/L	0.100	0.069		X414218	NMS	04/08/24 12:49	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X414218	NMS	04/08/24 12:49	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X414218	NMS	04/08/24 12:49	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X414218	NMS	04/08/24 12:49	
EPA 200.7	**Iron**	2.70	mg/L	0.100	0.056		X414218	NMS	04/08/24 12:49	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X414218	NMS	04/08/24 12:49	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X414218	NMS	04/08/24 12:49	
EPA 200.7	**Magnesium**	6.76	mg/L	0.500	0.090		X414218	NMS	04/08/24 12:49	
EPA 200.7	**Manganese**	1.14	mg/L	0.0080	0.0034		X414218	NMS	04/08/24 12:49	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X414218	NMS	04/08/24 12:49	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X414218	NMS	04/08/24 12:49	
EPA 200.7	**Potassium**	1.39	mg/L	0.50	0.18		X414218	NMS	04/08/24 12:49	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X414218	NMS	04/08/24 12:49	
EPA 200.7	**Sodium**	10.2	mg/L	0.50	0.12		X414218	NMS	04/08/24 12:49	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X414218	NMS	04/08/24 12:49	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X414218	NMS	04/08/24 12:49	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X414095	SMU	04/11/24 12:38	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X414095	SMU	04/11/24 12:38	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X414095	SMU	04/11/24 12:38	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X414095	SMU	04/11/24 12:38	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X414095	SMU	04/11/24 12:38	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X414129	MAC	04/08/24 15:25	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X414018	DD	04/03/24 12:11	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X414065	DD	04/03/24 13:23	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X414166	DD	04/05/24 10:59	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X414022	DD	04/03/24 14:26	
SM 2310 B	**Acidity to pH 8.3**	-63.9	mg/L as CaCO3	10.0			X414014	MWD	04/03/24 08:55	
SM 2320 B	**Total Alkalinity**	64.3	mg/L as CaCO3	1.0			X414016	MWD	04/01/24 11:35	
SM 2320 B	**Bicarbonate**	64.3	mg/L as CaCO3	1.0			X414016	MWD	04/01/24 11:35	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414016	MWD	04/01/24 11:35	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414016	MWD	04/01/24 11:35	
SM 2540 C	**Total Diss. Solids**	181	mg/L	10			X413244	TJL	04/02/24 14:45	
SM 2540 D	**Total Susp. Solids**	19.0	mg/L	5.0			X413245	TJL	04/03/24 16:25	
SM 4500 H B	**pH @19.0°C**	6.9	pH Units				X414016	MWD	04/01/24 11:35	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0478**
Reported: 11-Apr-24 15:04

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4C0478-01 (Ground Water)**

Sampled: 28-Mar-24 13:35
Received: 29-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	6.85	mg/L	0.20	0.02		X413226	RS	03/29/24 12:13	
EPA 300.0	**Fluoride**	0.132	mg/L	0.100	0.017		X413226	RS	03/29/24 12:13	
EPA 300.0	**Nitrate as N**	0.210	mg/L	0.050	0.013		X413226	RS	03/29/24 12:13	
EPA 300.0	**Nitrate+Nitrite as N**	0.241	mg/L	0.100	0.044		X413226	RS	03/29/24 12:13	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X413226	RS	03/29/24 12:13	
EPA 300.0	**Sulfate as SO4**	46.4	mg/L	3.00	1.80	10	X413226	RS	03/29/24 12:32	D2,M4

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.48 meq/L Anion Sum: 2.47 meq/L C/A Balance: 0.15 % Calculated TDS: 138 TDS/cTDS: 1.31

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

Kathryn Salter
Project Manager

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0478**
Reported: 11-Apr-24 15:04

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	X414175	08-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X414175	08-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X414175	08-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X414218	08-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X414218	08-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X414218	08-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X414218	08-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X414218	08-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X414218	08-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X414218	08-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X414218	08-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X414218	08-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X414218	08-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X414218	08-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X414218	08-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X414218	08-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X414218	08-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X414218	08-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X414218	08-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X414218	08-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X414218	08-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X414218	08-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X414218	08-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X414218	08-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X414095	11-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X414095	11-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X414095	11-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X414095	11-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X414095	11-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X414129	08-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X414018	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X414065	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X414166	05-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X414022	03-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X414014	03-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X414016	01-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X414016	01-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X414016	01-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X414016	01-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X413244	02-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X413245	03-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X413226	29-Mar-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X413226	29-Mar-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X413226	29-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X413226	29-Mar-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X413226	29-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X413226	29-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0478**
Reported: 11-Apr-24 15:04

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	X414175	08-Apr-24	
EPA 200.7	Magnesium	mg/L	20.1	20.0	101	85 - 115	X414175	08-Apr-24	
EPA 200.7	Potassium	mg/L	18.5	20.0	92.6	85 - 115	X414175	08-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.979	1.00	97.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Barium	mg/L	0.989	1.00	98.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Beryllium	mg/L	0.960	1.00	96.0	85 - 115	X414218	08-Apr-24	
EPA 200.7	Boron	mg/L	0.902	1.00	90.2	85 - 115	X414218	08-Apr-24	
EPA 200.7	Cadmium	mg/L	0.916	1.00	91.6	85 - 115	X414218	08-Apr-24	
EPA 200.7	Calcium	mg/L	18.8	20.0	94.1	85 - 115	X414218	08-Apr-24	
EPA 200.7	Chromium	mg/L	0.905	1.00	90.5	85 - 115	X414218	08-Apr-24	
EPA 200.7	Cobalt	mg/L	0.919	1.00	91.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Copper	mg/L	0.873	1.00	87.3	85 - 115	X414218	08-Apr-24	
EPA 200.7	Iron	mg/L	9.49	10.0	94.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Lead	mg/L	0.919	1.00	91.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Lithium	mg/L	0.949	1.00	94.9	85 - 115	X414218	08-Apr-24	
EPA 200.7	Magnesium	mg/L	19.8	20.0	99.0	85 - 115	X414218	08-Apr-24	
EPA 200.7	Manganese	mg/L	0.988	1.00	98.8	85 - 115	X414218	08-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.907	1.00	90.7	85 - 115	X414218	08-Apr-24	
EPA 200.7	Nickel	mg/L	0.924	1.00	92.4	85 - 115	X414218	08-Apr-24	
EPA 200.7	Potassium	mg/L	19.1	20.0	95.6	85 - 115	X414218	08-Apr-24	
EPA 200.7	Silver	mg/L	0.0533	0.0500	107	85 - 115	X414218	08-Apr-24	
EPA 200.7	Sodium	mg/L	18.5	19.0	97.2	85 - 115	X414218	08-Apr-24	
EPA 200.7	Vanadium	mg/L	0.873	1.00	87.3	85 - 115	X414218	08-Apr-24	
EPA 200.7	Zinc	mg/L	0.924	1.00	92.4	85 - 115	X414218	08-Apr-24	
EPA 200.8	Antimony	mg/L	0.0254	0.0250	102	85 - 115	X414095	11-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0249	0.0250	99.6	85 - 115	X414095	11-Apr-24	
EPA 200.8	Selenium	mg/L	0.0245	0.0250	98.0	85 - 115	X414095	11-Apr-24	
EPA 200.8	Thallium	mg/L	0.0248	0.0250	99.1	85 - 115	X414095	11-Apr-24	
EPA 200.8	Uranium	mg/L	0.0249	0.0250	99.4	85 - 115	X414095	11-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00202	0.00200	101	85 - 115	X414129	08-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.109	0.100	109	90 - 110	X414018	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X414065	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.984	1.00	98.4	90 - 110	X414166	05-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0990	0.100	99.0	90 - 110	X414022	03-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1630	1640	99.2	95.4 - 104	X414014	03-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X414016	01-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X413245	03-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.92	3.00	97.3	90 - 110	X413226	29-Mar-24	
EPA 300.0	Fluoride	mg/L	1.94	2.00	96.9	90 - 110	X413226	29-Mar-24	
EPA 300.0	Nitrate as N	mg/L	1.93	2.00	96.6	90 - 110	X413226	29-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.37	4.50	97.1	90 - 110	X413226	29-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.44	2.50	97.5	90 - 110	X413226	29-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	10.1	10.0	101	90 - 110	X413226	29-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0478**
Reported: 11-Apr-24 15:04

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 CaCO3	2130	2120	0.7	20	X414014 - X4C0359-06	03-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	314	314	0.1	20	X414016 - X4C0477-01	01-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	314	314	0.1	20	X414016 - X4C0477-01	01-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414016 - X4C0477-01	01-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414016 - X4C0477-01	01-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	269	273	1.5	10	X413244 - X4C0484-05	02-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	465	471	1.3	10	X413244 - X4C0477-02	02-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	12.0	7.0	52.6	10	X413245 - X4C0477-02	03-Apr-24	R2B
SM 2540 D	Total Susp. Solids	mg/L	9.0	9.0	0.0	10	X413245 - X4C0484-05	03-Apr-24	
SM 4500 H B	pH @18.1°C	pH Units	7.5	7.6	1.1	20	X414016 - X4C0477-01	01-Apr-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	45.4	25.9	20.0	98	70 - 130	X414175 - X4C0478-01	08-Apr-24	
EPA 200.7	Calcium	mg/L	160	132	20.0	0.30R>S	70 - 130	X414175 - X4D0014-09	08-Apr-24	M3
EPA 200.7	Magnesium	mg/L	28.5	7.43	20.0	105	70 - 130	X414175 - X4C0478-01	08-Apr-24	
EPA 200.7	Magnesium	mg/L	152	122	20.0	0.30R>S	70 - 130	X414175 - X4D0014-09	08-Apr-24	M3
EPA 200.7	Potassium	mg/L	19.9	1.25	20.0	93.3	70 - 130	X414175 - X4C0478-01	08-Apr-24	
EPA 200.7	Potassium	mg/L	25.2	5.28	20.0	99.7	70 - 130	X414175 - X4D0014-09	08-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.06	<0.080	1.00	106	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Barium	mg/L	1.03	0.0069	1.00	103	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Beryllium	mg/L	0.989	<0.00200	1.00	98.8	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Boron	mg/L	0.962	<0.0400	1.00	94.6	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Cadmium	mg/L	0.963	<0.0020	1.00	96.3	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Calcium	mg/L	63.0	44.2	20.0	93.5	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Chromium	mg/L	0.943	<0.0060	1.00	94.3	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Cobalt	mg/L	0.949	<0.0060	1.00	94.9	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Copper	mg/L	0.953	0.0462	1.00	90.7	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Iron	mg/L	9.87	<0.100	10.0	98.7	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Lead	mg/L	0.945	<0.0075	1.00	94.5	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Lithium	mg/L	0.986	<0.040	1.00	98.6	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Magnesium	mg/L	27.8	7.40	20.0	102	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Manganese	mg/L	1.03	<0.0080	1.00	102	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.935	<0.0080	1.00	93.5	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Nickel	mg/L	0.952	<0.0100	1.00	95.2	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Potassium	mg/L	72.9	53.5	20.0	96.9	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Silver	mg/L	0.0568	<0.0050	0.0500	114	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Sodium	mg/L	44.5	25.4	19.0	100	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Vanadium	mg/L	0.913	<0.0050	1.00	91.3	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.7	Zinc	mg/L	0.973	<0.0100	1.00	97.3	70 - 130	X414218 - X4C0456-01	08-Apr-24	
EPA 200.8	Antimony	mg/L	0.0386	0.0127	0.0250	104	70 - 130	X414095 - X4C0459-01	11-Apr-24	
EPA 200.8	Antimony	mg/L	0.0261	<0.00100	0.0250	105	70 - 130	X414095 - X4C0483-01	11-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0261	<0.00100	0.0250	102	70 - 130	X414095 - X4C0459-01	11-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0260	<0.00100	0.0250	104	70 - 130	X414095 - X4C0483-01	11-Apr-24	
EPA 200.8	Selenium	mg/L	0.0253	<0.00100	0.0250	99.9	70 - 130	X414095 - X4C0459-01	11-Apr-24	

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0478**
Reported: 11-Apr-24 15:04

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 200.8	Selenium	mg/L	0.0249	<0.00100	0.0250	99.5	70 - 130	X414095 - X4C0483-01	11-Apr-24	
EPA 200.8	Thallium	mg/L	0.0238	<0.000200	0.0250	95.3	70 - 130	X414095 - X4C0459-01	11-Apr-24	
EPA 200.8	Thallium	mg/L	0.0247	<0.000200	0.0250	99.0	70 - 130	X414095 - X4C0483-01	11-Apr-24	
EPA 200.8	Uranium	mg/L	0.0293	0.00444	0.0250	99.6	70 - 130	X414095 - X4C0459-01	11-Apr-24	
EPA 200.8	Uranium	mg/L	0.0251	<0.000100	0.0250	100	70 - 130	X414095 - X4C0483-01	11-Apr-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00227	<0.000200	0.00200	114	70 - 130	X414129 - X4C0478-01	08-Apr-24	
EPA 245.1	Mercury	mg/L	0.00216	<0.000200	0.00200	108	70 - 130	X414129 - X4C0482-07	08-Apr-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.117	<0.0050	0.100	117	79 - 121	X414018 - X4C0342-01	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.119	0.0134	0.100	106	90 - 110	X414065 - X4C0462-05	03-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.117	0.0109	0.100	106	90 - 110	X414065 - X4C0462-03	03-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.05	0.037	1.00	101	90 - 110	X414166 - X4C0420-02	05-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X414166 - X4C0420-03	05-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	<0.0050	0.100	99.0	82 - 118	X414022 - X4C0342-01	03-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	9.94	6.85	3.00	103	90 - 110	X413226 - X4C0478-01	29-Mar-24	
EPA 300.0	Fluoride	mg/L	2.08	0.132	2.00	97.4	90 - 110	X413226 - X4C0478-01	29-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.15	0.210	2.00	96.9	90 - 110	X413226 - X4C0478-01	29-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.19	0.241	4.00	98.7	90 - 110	X413226 - X4C0478-01	29-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X413226 - X4C0478-01	29-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	56.0	46.4	10.0	95.5	90 - 110	X413226 - X4C0478-01	29-Mar-24	D2

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	44.9	45.4	20.0	1.0	20	95	X414175 - X4C0478-01	
EPA 200.7	Magnesium	mg/L	29.0	28.5	20.0	2.0	20	108	X414175 - X4C0478-01	
EPA 200.7	Potassium	mg/L	19.7	19.9	20.0	1.1	20	92.2	X414175 - X4C0478-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.05	1.06	1.00	0.2	20	105	X414218 - X4C0456-01	
EPA 200.7	Barium	mg/L	1.05	1.03	1.00	1.2	20	104	X414218 - X4C0456-01	
EPA 200.7	Beryllium	mg/L	1.01	0.989	1.00	2.0	20	101	X414218 - X4C0456-01	
EPA 200.7	Boron	mg/L	0.973	0.962	1.00	1.2	20	95.8	X414218 - X4C0456-01	
EPA 200.7	Cadmium	mg/L	0.980	0.963	1.00	1.7	20	98.0	X414218 - X4C0456-01	
EPA 200.7	Calcium	mg/L	64.3	63.0	20.0	2.2	20	100	X414218 - X4C0456-01	
EPA 200.7	Chromium	mg/L	0.968	0.943	1.00	2.6	20	96.8	X414218 - X4C0456-01	
EPA 200.7	Cobalt	mg/L	0.967	0.949	1.00	1.9	20	96.7	X414218 - X4C0456-01	
EPA 200.7	Copper	mg/L	0.979	0.953	1.00	2.7	20	93.3	X414218 - X4C0456-01	
EPA 200.7	Iron	mg/L	10.1	9.87	10.0	2.5	20	101	X414218 - X4C0456-01	
EPA 200.7	Lead	mg/L	0.961	0.945	1.00	1.7	20	96.1	X414218 - X4C0456-01	
EPA 200.7	Lithium	mg/L	1.01	0.986	1.00	2.0	20	101	X414218 - X4C0456-01	
EPA 200.7	Magnesium	mg/L	28.4	27.8	20.0	2.0	20	105	X414218 - X4C0456-01	
EPA 200.7	Manganese	mg/L	1.05	1.03	1.00	1.8	20	104	X414218 - X4C0456-01	
EPA 200.7	Molybdenum	mg/L	0.951	0.935	1.00	1.7	20	95.1	X414218 - X4C0456-01	
EPA 200.7	Nickel	mg/L	0.969	0.952	1.00	1.8	20	96.9	X414218 - X4C0456-01	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0478**
Reported: 11-Apr-24 15:04

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 (Dissolved) (Continued)										
EPA 200.7	Potassium	mg/L	74.7	72.9	20.0	2.4	20	106	X414218 - X4C0456-01	
EPA 200.7	Silver	mg/L	0.0582	0.0568	0.0500	2.4	20	116	X414218 - X4C0456-01	
EPA 200.7	Sodium	mg/L	45.1	44.5	19.0	1.4	20	103	X414218 - X4C0456-01	
EPA 200.7	Vanadium	mg/L	0.938	0.913	1.00	2.7	20	93.8	X414218 - X4C0456-01	
EPA 200.7	Zinc	mg/L	0.991	0.973	1.00	1.9	20	99.1	X414218 - X4C0456-01	
EPA 200.8	Antimony	mg/L	0.0383	0.0386	0.0250	0.7	20	103	X414095 - X4C0459-01	
EPA 200.8	Arsenic	mg/L	0.0250	0.0261	0.0250	4.1	20	98.2	X414095 - X4C0459-01	
EPA 200.8	Selenium	mg/L	0.0250	0.0253	0.0250	1.3	20	98.6	X414095 - X4C0459-01	
EPA 200.8	Thallium	mg/L	0.0235	0.0238	0.0250	1.3	20	94.1	X414095 - X4C0459-01	
EPA 200.8	Uranium	mg/L	0.0291	0.0293	0.0250	0.8	20	98.6	X414095 - X4C0459-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00236	0.00227	0.00200	3.6	20	118	X414129 - X4C0478-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.127	0.117	0.100	8.2	11	127	X414018 - X4C0342-01	M1
EPA 335.4	Cyanide (total)	mg/L	0.122	0.119	0.100	2.3	20	109	X414065 - X4C0462-05	
EPA 350.1	Ammonia as N	mg/L	1.07	1.05	1.00	1.6	20	103	X414166 - X4C0420-02	
OIA 1677	Cyanide (WAD)	mg/L	0.0960	0.101	0.100	5.1	11	94.0	X414022 - X4C0342-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	9.91	9.94	3.00	0.3	20	102	X413226 - X4C0478-01	
EPA 300.0	Fluoride	mg/L	2.05	2.08	2.00	1.4	20	95.9	X413226 - X4C0478-01	
EPA 300.0	Nitrate as N	mg/L	2.12	2.15	2.00	1.4	20	95.4	X413226 - X4C0478-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.13	4.19	4.00	1.3	20	97.3	X413226 - X4C0478-01	
EPA 300.0	Nitrite as N	mg/L	2.02	2.04	2.00	1.2	20	101	X413226 - X4C0478-01	
EPA 300.0	Sulfate as SO4	mg/L	55.3	56.0	10.0	1.2	20	0.30R>S	X413226 - X4C0478-01	D2,M4

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0478**
Victor, CO 80860	Reported: 11-Apr-24 15:04

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
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.
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

Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

QA/QC

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

Client Sample ID: **GVMW-115 G**
SVL Sample ID: **X4C0092-02 (Ground Water)**

Sampled: 06-Mar-24 11:24
Received: 07-Mar-24
Sampled By: PB

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**	64.8	mg/L	0.100	0.069		X411213	SMU	03/19/24 16:42	
EPA 200.7	**Magnesium**	35.5	mg/L	0.500	0.090		X411213	SMU	03/19/24 16:42	
EPA 200.7	**Potassium**	2.45	mg/L	0.50	0.18		X411213	SMU	03/19/24 16:42	
sm 2340B	**Hardness (as CaCO3)**	297	mg/L	2.31	0.543		N/A		03/19/24 16:42	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	1.08	mg/L	0.080	0.054		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Barium**	0.0126	mg/L	0.0020	0.0019		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Beryllium**	0.0638	mg/L	0.00200	0.00080		X411026	NMS	03/21/24 13:49	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Cadmium**	0.0034	mg/L	0.0020	0.0016		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Calcium**	63.9	mg/L	0.100	0.069		X411026	NMS	03/21/24 13:49	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Cobalt**	0.115	mg/L	0.0060	0.0046		X411026	NMS	03/21/24 13:49	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Iron**	31.3	mg/L	0.100	0.056		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Lead**	0.0754	mg/L	0.0075	0.0049		X411026	NMS	03/21/24 13:49	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Magnesium**	32.7	mg/L	0.500	0.090		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Manganese**	1.95	mg/L	0.0080	0.0034		X411026	NMS	03/21/24 13:49	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Nickel**	0.217	mg/L	0.0100	0.0048		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Potassium**	2.56	mg/L	0.50	0.18		X411026	NMS	03/21/24 13:49	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Sodium**	13.8	mg/L	0.50	0.12		X411026	NMS	03/21/24 13:49	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X411026	NMS	03/21/24 13:49	
EPA 200.7	**Zinc**	1.86	mg/L	0.0100	0.0054		X411026	NMS	03/21/24 13:49	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X410268	SMU	03/18/24 18:25	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X410268	SMU	03/18/24 18:25	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X410268	SMU	03/18/24 18:25	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X410268	SMU	03/19/24 10:32	
EPA 200.8	**Uranium**	0.00983	mg/L	0.000100	0.000052		X410268	SMU	03/18/24 18:25	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X411180	MAC	03/15/24 13:58	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X411005	DD	03/12/24 12:45	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X411099	DD	03/14/24 10:20	
EPA 350.1	**Ammonia as N**	0.031	mg/L	0.030	0.013		X411070	DD	03/13/24 13:12	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X412008	DD	03/20/24 10:43	
SM 2310 B	**Acidity to pH 8.3**	79.0	mg/L as CaCO3	10.0			X412064	MWD	03/19/24 08:55	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:45	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:45	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:45	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:45	
SM 2540 C	**Total Diss. Solids**	608	mg/L	10			X410237	TJL	03/12/24 15:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X410239	TJL	03/12/24 17:00	
SM 4500 H B	**pH @19.3°C**	3.6	pH Units				X410252	MWD	03/11/24 14:45	H5,R2B

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

Client Sample ID: **GVMW-115 G**
SVL Sample ID: **X4C0092-02 (Ground Water)**

Sampled: 06-Mar-24 11:24
Received: 07-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.68	mg/L	0.20	0.02		X410194	KAG	03/07/24 14:53	
EPA 300.0	**Fluoride**	0.678	mg/L	0.100	0.017		X410194	KAG	03/07/24 14:53	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X410194	KAG	03/07/24 14:53	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X410194	KAG	03/07/24 14:53	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X410194	KAG	03/07/24 14:53	
EPA 300.0	**Sulfate as SO4**	406	mg/L	3.00	1.80	10	X410194	KAG	03/07/24 15:11	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 8.12 meq/L Anion Sum: 8.53 meq/L C/A Balance: -2.45 % Calculated TDS: 522 TDS/cTDS: 1.16

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

Kathryn Salter
Project Manager

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

Client Sample ID: **RB-0306**
SVL Sample ID: **X4C0092-04 (Ground Water)**

Sampled: 06-Mar-24 14:22
Received: 07-Mar-24
Sampled By: PB

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		X411213	SMU	03/19/24 16:59	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X411213	SMU	03/19/24 16:59	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X411213	SMU	03/19/24 16:59	
sm 2340B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		03/21/24 13:56	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X411026	NMS	03/21/24 13:56	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X411026	NMS	03/21/24 13:56	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X411026	NMS	03/21/24 13:56	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X411026	NMS	03/21/24 13:56	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X411026	NMS	03/21/24 13:56	
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X411026	NMS	03/21/24 13:56	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X411026	NMS	03/21/24 13:56	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X411026	NMS	03/21/24 13:56	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X411026	NMS	03/21/24 13:56	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X411026	NMS	03/21/24 13:56	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X411026	NMS	03/21/24 13:56	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X411026	NMS	03/21/24 13:56	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X411026	NMS	03/21/24 13:56	
EPA 200.7	**Manganese**	0.0110	mg/L	0.0080	0.0034		X411026	NMS	03/21/24 13:56	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X411026	NMS	03/21/24 13:56	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X411026	NMS	03/21/24 13:56	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X411026	NMS	03/21/24 13:56	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X411026	NMS	03/21/24 13:56	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X411026	NMS	03/21/24 13:56	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X411026	NMS	03/21/24 13:56	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X411026	NMS	03/21/24 13:56	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X410268	SMU	03/18/24 18:31	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X410268	SMU	03/18/24 18:31	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X410268	SMU	03/18/24 18:31	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X410268	SMU	03/19/24 10:37	
EPA 200.8	**Uranium**	0.000741	mg/L	0.000100	0.000052		X410268	SMU	03/18/24 18:31	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X411180	MAC	03/15/24 14:03	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X411005	DD	03/12/24 12:55	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X411099	DD	03/14/24 14:13	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X411070	DD	03/13/24 13:16	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X412008	DD	03/20/24 10:46	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X412064	MWD	03/19/24 08:55	
SM 2320 B	**Total Alkalinity**	1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:56	
SM 2320 B	**Bicarbonate**	1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:56	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:56	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X410252	MWD	03/11/24 14:56	
SM 2540 C	Total Diss. Solids	< 10	mg/L	10			X410237	TJL	03/12/24 15:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X410239	TJL	03/12/24 17:00	
SM 4500 H B	**pH @19.2°C**	6.1	pH Units				X410252	MWD	03/11/24 14:56	H5

SVL holds the following certifications:
AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

Client Sample ID: **RB-0306**
SVL Sample ID: **X4C0092-04 (Ground Water)**

Sampled: 06-Mar-24 14:22
Received: 07-Mar-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 0.20	mg/L	0.20	0.02		X410194	KAG	03/07/24 13:21	
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X410194	KAG	03/07/24 13:21	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X410194	KAG	03/07/24 13:21	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X410194	KAG	03/07/24 13:21	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X410194	KAG	03/07/24 13:21	
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X410194	KAG	03/07/24 13:21	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.03 meq/L Anion Sum: 0.03 meq/L C/A Balance: 8.73 % Calculated TDS: 1 TDS/cTDS: 0.00

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

Kathryn Salter
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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	X411213	19-Mar-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X411213	19-Mar-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X411213	19-Mar-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X411026	21-Mar-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X411026	21-Mar-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X411026	21-Mar-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X411026	21-Mar-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X411026	21-Mar-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X411026	21-Mar-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X411026	21-Mar-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X411026	21-Mar-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X411026	21-Mar-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X411026	21-Mar-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X411026	21-Mar-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X411026	21-Mar-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X411026	21-Mar-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X411026	21-Mar-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X411026	21-Mar-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X411026	21-Mar-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X411026	21-Mar-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X411026	21-Mar-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X411026	21-Mar-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X411026	21-Mar-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X411026	21-Mar-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X410268	18-Mar-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X410268	18-Mar-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X410268	18-Mar-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X410268	19-Mar-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X410268	18-Mar-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X411180	15-Mar-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X411005	12-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X411099	14-Mar-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X411070	13-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X412008	20-Mar-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X412064	19-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X410252	11-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X410252	11-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X410252	11-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X410252	11-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X410237	12-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X410239	12-Mar-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X410194	07-Mar-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X410194	07-Mar-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X410194	07-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X410194	07-Mar-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X410194	07-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X410194	07-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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	X411213	19-Mar-24	
EPA 200.7	Magnesium	mg/L	19.9	20.0	99.6	85 - 115	X411213	19-Mar-24	
EPA 200.7	Potassium	mg/L	18.8	20.0	94.1	85 - 115	X411213	19-Mar-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.952	1.00	95.2	85 - 115	X411026	21-Mar-24	
EPA 200.7	Barium	mg/L	0.911	1.00	91.1	85 - 115	X411026	21-Mar-24	
EPA 200.7	Beryllium	mg/L	1.05	1.00	105	85 - 115	X411026	21-Mar-24	
EPA 200.7	Boron	mg/L	0.960	1.00	96.0	85 - 115	X411026	21-Mar-24	
EPA 200.7	Cadmium	mg/L	0.972	1.00	97.2	85 - 115	X411026	21-Mar-24	
EPA 200.7	Calcium	mg/L	19.4	20.0	97.0	85 - 115	X411026	21-Mar-24	
EPA 200.7	Chromium	mg/L	0.966	1.00	96.6	85 - 115	X411026	21-Mar-24	
EPA 200.7	Cobalt	mg/L	0.955	1.00	95.5	85 - 115	X411026	21-Mar-24	
EPA 200.7	Copper	mg/L	0.959	1.00	95.9	85 - 115	X411026	21-Mar-24	
EPA 200.7	Iron	mg/L	9.84	10.0	98.4	85 - 115	X411026	21-Mar-24	
EPA 200.7	Lead	mg/L	0.967	1.00	96.7	85 - 115	X411026	21-Mar-24	
EPA 200.7	Lithium	mg/L	0.965	1.00	96.5	85 - 115	X411026	21-Mar-24	
EPA 200.7	Magnesium	mg/L	18.6	20.0	92.9	85 - 115	X411026	21-Mar-24	
EPA 200.7	Manganese	mg/L	0.978	1.00	97.8	85 - 115	X411026	21-Mar-24	
EPA 200.7	Molybdenum	mg/L	0.979	1.00	97.9	85 - 115	X411026	21-Mar-24	
EPA 200.7	Nickel	mg/L	0.960	1.00	96.0	85 - 115	X411026	21-Mar-24	
EPA 200.7	Potassium	mg/L	19.8	20.0	98.8	85 - 115	X411026	21-Mar-24	
EPA 200.7	Silver	mg/L	0.0482	0.0500	96.3	85 - 115	X411026	21-Mar-24	
EPA 200.7	Sodium	mg/L	18.2	19.0	95.8	85 - 115	X411026	21-Mar-24	
EPA 200.7	Vanadium	mg/L	0.986	1.00	98.6	85 - 115	X411026	21-Mar-24	
EPA 200.7	Zinc	mg/L	0.970	1.00	97.0	85 - 115	X411026	21-Mar-24	
EPA 200.8	Antimony	mg/L	0.0254	0.0250	101	85 - 115	X410268	18-Mar-24	
EPA 200.8	Arsenic	mg/L	0.0244	0.0250	97.8	85 - 115	X410268	18-Mar-24	
EPA 200.8	Selenium	mg/L	0.0245	0.0250	98.1	85 - 115	X410268	18-Mar-24	
EPA 200.8	Thallium	mg/L	0.0254	0.0250	102	85 - 115	X410268	19-Mar-24	
EPA 200.8	Uranium	mg/L	0.0265	0.0250	106	85 - 115	X410268	18-Mar-24	M1
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00193	0.00200	96.7	85 - 115	X411180	15-Mar-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0910	0.100	91.0	90 - 110	X411005	12-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X411099	14-Mar-24	
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X411070	13-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0940	0.100	94.0	90 - 110	X412008	20-Mar-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1660	1640	101	95.4 - 104	X412064	19-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	96.4 - 105	X410252	11-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.4	99.3	99.1	96.4 - 105	X410252	11-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X410239	12-Mar-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.04	3.00	101	90 - 110	X410194	07-Mar-24	
EPA 300.0	Fluoride	mg/L	2.00	2.00	100	90 - 110	X410194	07-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.03	2.00	101	90 - 110	X410194	07-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	4.50	101	90 - 110	X410194	07-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X410194	07-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X410194	07-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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 CaCO3	79.0	79.0	0.0	20	X412064 - X4C0092-01	19-Mar-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X410252 - X4C0092-02	11-Mar-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X410252 - X4C0092-02	11-Mar-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X410252 - X4C0092-02	11-Mar-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X410252 - X4C0092-02	11-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	288	301	4.4	10	X410237 - X4C0106-01	12-Mar-24	
SM 2540 C	Total Diss. Solids	mg/L	573	608	5.9	10	X410237 - X4C0092-02	12-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X410239 - X4C0092-02	12-Mar-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	6.0	UDL	10	X410239 - X4C0106-01	12-Mar-24	
SM 4500 H B	pH @19.4°C	pH Units	3.4	3.6	5.7	20	X410252 - X4C0092-02	11-Mar-24	R2B

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	44.5	25.6	20.0	95	70 - 130	X411213 - X4C0091-01	19-Mar-24	
EPA 200.7	Calcium	mg/L	72.3	52.2	20.0	100	70 - 130	X411213 - X4C0129-02	19-Mar-24	
EPA 200.7	Magnesium	mg/L	33.3	13.3	20.0	100	70 - 130	X411213 - X4C0091-01	19-Mar-24	
EPA 200.7	Magnesium	mg/L	33.8	13.5	20.0	101	70 - 130	X411213 - X4C0129-02	19-Mar-24	
EPA 200.7	Potassium	mg/L	23.3	4.32	20.0	94.7	70 - 130	X411213 - X4C0091-01	19-Mar-24	
EPA 200.7	Potassium	mg/L	20.6	1.25	20.0	96.5	70 - 130	X411213 - X4C0129-02	19-Mar-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.06	1.08	1.00	97.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Aluminum	mg/L	113	115	1.00	0.30R>S	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Barium	mg/L	0.934	0.0132	1.00	92.0	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Barium	mg/L	0.936	<0.200	1.00	93.6	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Beryllium	mg/L	1.09	0.0639	1.00	102	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Beryllium	mg/L	1.13	<0.200	1.00	113	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Boron	mg/L	0.988	<0.0400	1.00	97.2	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Boron	mg/L	<4.00	<4.00	1.00	104	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Cadmium	mg/L	0.972	0.0032	1.00	96.9	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Cadmium	mg/L	1.03	<0.200	1.00	103	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Calcium	mg/L	82.8	63.6	20.0	95.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Calcium	mg/L	491	475	20.0	81.9	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Chromium	mg/L	0.958	<0.0060	1.00	95.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Chromium	mg/L	0.921	<0.600	1.00	92.1	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Cobalt	mg/L	1.05	0.108	1.00	94.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Cobalt	mg/L	2.36	1.39	1.00	97.1	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Copper	mg/L	0.978	<0.0100	1.00	97.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Copper	mg/L	293	302	1.00	0.30R>S	70 - 130	X411026 - X4C0124-04	21-Mar-24	D2,M4
EPA 200.7	Iron	mg/L	40.7	31.3	10.0	94.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Iron	mg/L	<10.0	<10.0	10.0	99.7	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Lead	mg/L	1.03	0.0720	1.00	96.1	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Lead	mg/L	1.20	<0.750	1.00	120	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	97.9	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Lithium	mg/L	<4.00	<4.00	1.00	N/A	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Magnesium	mg/L	52.7	32.6	20.0	101	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Magnesium	mg/L	250	251	20.0	0.30R>S	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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	2.88	1.95	1.00	93.9	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Manganese	mg/L	73.6	73.3	1.00	0.30R>S	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Molybdenum	mg/L	0.972	<0.0080	1.00	97.2	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Molybdenum	mg/L	1.06	<0.800	1.00	106	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Nickel	mg/L	1.16	0.215	1.00	94.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Nickel	mg/L	1.42	<1.00	1.00	142	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Potassium	mg/L	22.4	2.49	20.0	99.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Potassium	mg/L	<50.0	<50.0	20.0	173	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Silver	mg/L	0.0472	<0.0050	0.0500	94.4	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Silver	mg/L	<0.500	<0.500	0.0500	N/A	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Sodium	mg/L	32.3	13.7	19.0	97.8	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Sodium	mg/L	<50.0	<50.0	19.0	55.6	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1,M4
EPA 200.7	Vanadium	mg/L	0.983	<0.0050	1.00	98.3	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Vanadium	mg/L	1.10	<0.500	1.00	110	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.7	Zinc	mg/L	2.74	1.85	1.00	89.6	70 - 130	X411026 - X4C0092-01	21-Mar-24	
EPA 200.7	Zinc	mg/L	9.95	9.15	1.00	79.1	70 - 130	X411026 - X4C0124-04	21-Mar-24	D1
EPA 200.8	Antimony	mg/L	0.0283	<0.00100	0.0250	113	70 - 130	X410268 - X4C0092-01	18-Mar-24	
EPA 200.8	Antimony	mg/L	0.0309	0.00152	0.0250	117	70 - 130	X410268 - X4C0119-01	18-Mar-24	
EPA 200.8	Arsenic	mg/L	0.0297	<0.00100	0.0250	117	70 - 130	X410268 - X4C0092-01	18-Mar-24	
EPA 200.8	Arsenic	mg/L	0.0392	0.00705	0.0250	129	70 - 130	X410268 - X4C0119-01	18-Mar-24	
EPA 200.8	Selenium	mg/L	0.0299	<0.00100	0.0250	120	70 - 130	X410268 - X4C0092-01	18-Mar-24	
EPA 200.8	Selenium	mg/L	0.0355	<0.00100	0.0250	142	70 - 130	X410268 - X4C0119-01	18-Mar-24	M1
EPA 200.8	Thallium	mg/L	0.0248	<0.000200	0.0250	99.1	70 - 130	X410268 - X4C0092-01	19-Mar-24	
EPA 200.8	Thallium	mg/L	0.0238	<0.000200	0.0250	95.3	70 - 130	X410268 - X4C0119-01	19-Mar-24	
EPA 200.8	Uranium	mg/L	0.0446	0.00962	0.0250	140	70 - 130	X410268 - X4C0092-01	18-Mar-24	M1
EPA 200.8	Uranium	mg/L	0.0382	0.000237	0.0250	152	70 - 130	X410268 - X4C0119-01	18-Mar-24	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	<0.000200	0.00200	101	70 - 130	X411180 - X4C0051-01	15-Mar-24	
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X411180 - X4C0092-04	15-Mar-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.105	<0.0050	0.100	105	79 - 121	X411005 - X4C0028-04	12-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	<0.0050	0.100	103	90 - 110	X411099 - X4C0061-01	14-Mar-24	
EPA 335.4	Cyanide (total)	mg/L	0.0976	<0.0050	0.100	97.6	90 - 110	X411099 - X4C0092-01	14-Mar-24	
EPA 350.1	Ammonia as N	mg/L	1.09	<0.030	1.00	109	90 - 110	X411070 - X4C0127-01	13-Mar-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0950	<0.0050	0.100	94.0	82 - 118	X412008 - X4C0061-01	20-Mar-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.17	<0.20	3.00	102	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Fluoride	mg/L	2.05	<0.100	2.00	101	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.11	<0.100	4.00	103	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Nitrite as N	mg/L	2.07	<0.050	2.00	104	90 - 110	X410194 - X4C0092-04	07-Mar-24	
EPA 300.0	Sulfate as SO4	mg/L	10.6	<0.30	10.0	104	90 - 110	X410194 - X4C0092-04	07-Mar-24	

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4C0092**
Reported: 22-Mar-24 10:56

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	45.1	44.5	20.0	1.0	20	97	X411213 - X4C0091-01	
EPA 200.7	Magnesium	mg/L	33.3	33.3	20.0	0.2	20	100	X411213 - X4C0091-01	
EPA 200.7	Potassium	mg/L	23.6	23.3	20.0	1.2	20	96.1	X411213 - X4C0091-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.03	2.06	1.00	1.6	20	94.3	X411026 - X4C0092-01	
EPA 200.7	Barium	mg/L	0.913	0.934	1.00	2.2	20	90.0	X411026 - X4C0092-01	
EPA 200.7	Beryllium	mg/L	1.08	1.09	1.00	0.3	20	102	X411026 - X4C0092-01	
EPA 200.7	Boron	mg/L	0.965	0.988	1.00	2.3	20	95.0	X411026 - X4C0092-01	
EPA 200.7	Cadmium	mg/L	0.943	0.972	1.00	3.0	20	94.0	X411026 - X4C0092-01	
EPA 200.7	Calcium	mg/L	82.4	82.8	20.0	0.4	20	94.3	X411026 - X4C0092-01	
EPA 200.7	Chromium	mg/L	0.937	0.958	1.00	2.3	20	93.7	X411026 - X4C0092-01	
EPA 200.7	Cobalt	mg/L	1.02	1.05	1.00	2.8	20	91.7	X411026 - X4C0092-01	
EPA 200.7	Copper	mg/L	0.959	0.978	1.00	1.9	20	95.9	X411026 - X4C0092-01	
EPA 200.7	Iron	mg/L	40.5	40.7	10.0	0.5	20	92.4	X411026 - X4C0092-01	
EPA 200.7	Lead	mg/L	1.00	1.03	1.00	2.9	20	93.1	X411026 - X4C0092-01	
EPA 200.7	Lithium	mg/L	0.990	1.01	1.00	2.3	20	95.6	X411026 - X4C0092-01	
EPA 200.7	Magnesium	mg/L	51.0	52.7	20.0	3.2	20	92.4	X411026 - X4C0092-01	
EPA 200.7	Manganese	mg/L	2.85	2.88	1.00	1.2	20	90.5	X411026 - X4C0092-01	
EPA 200.7	Molybdenum	mg/L	0.951	0.972	1.00	2.2	20	95.1	X411026 - X4C0092-01	
EPA 200.7	Nickel	mg/L	1.13	1.16	1.00	2.9	20	91.3	X411026 - X4C0092-01	
EPA 200.7	Potassium	mg/L	22.1	22.4	20.0	1.4	20	98.2	X411026 - X4C0092-01	
EPA 200.7	Silver	mg/L	0.0460	0.0472	0.0500	2.6	20	92.0	X411026 - X4C0092-01	
EPA 200.7	Sodium	mg/L	31.9	32.3	19.0	1.1	20	95.9	X411026 - X4C0092-01	
EPA 200.7	Vanadium	mg/L	0.961	0.983	1.00	2.2	20	96.1	X411026 - X4C0092-01	
EPA 200.7	Zinc	mg/L	2.67	2.74	1.00	2.8	20	82.1	X411026 - X4C0092-01	
EPA 200.8	Antimony	mg/L	0.0268	0.0283	0.0250	5.6	20	107	X410268 - X4C0092-01	
EPA 200.8	Arsenic	mg/L	0.0282	0.0297	0.0250	5.3	20	111	X410268 - X4C0092-01	
EPA 200.8	Selenium	mg/L	0.0284	0.0299	0.0250	5.0	20	114	X410268 - X4C0092-01	
EPA 200.8	Thallium	mg/L	0.0250	0.0248	0.0250	0.9	20	100	X410268 - X4C0092-01	
EPA 200.8	Uranium	mg/L	0.0426	0.0446	0.0250	4.5	20	132	X410268 - X4C0092-01	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00197	0.00202	0.00200	2.8	20	98.3	X411180 - X4C0051-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.107	0.105	0.100	1.9	11	107	X411005 - X4C0028-04	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.103	0.100	1.4	20	102	X411099 - X4C0061-01	
EPA 350.1	Ammonia as N	mg/L	1.09	1.09	1.00	0.6	20	109	X411070 - X4C0127-01	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.0950	0.100	8.1	11	102	X412008 - X4C0061-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.19	3.17	3.00	0.5	20	103	X410194 - X4C0092-04	
EPA 300.0	Fluoride	mg/L	2.07	2.05	2.00	0.7	20	102	X410194 - X4C0092-04	
EPA 300.0	Nitrate as N	mg/L	2.05	2.04	2.00	0.6	20	103	X410194 - X4C0092-04	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.13	4.11	4.00	0.4	20	103	X410194 - X4C0092-04	
EPA 300.0	Nitrite as N	mg/L	2.08	2.07	2.00	0.3	20	104	X410194 - X4C0092-04	
EPA 300.0	Sulfate as SO4	mg/L	10.8	10.6	10.0	1.1	20	106	X410194 - X4C0092-04	

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4C0092**
Victor, CO 80860	Reported: 22-Mar-24 10:56

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
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.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
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

Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

Attachment 2

Sampling Logs

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: J. Barela
Static Water Level (DTW): 45.4
Is well Dry? NO
If so Dry at: ~ feet

Date: 3/28/24
Quarter: 1
Well ID: GvMW-4A
Well Depth (TD): ~~405~~ 365

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1:00			8.82	350.0	4.7	3.70	207.6	
1:05	45.25	0.15	9.22	213.3	4.9	1.78	203.9	
1:10	45.25	0	9.15	198.1	5.1	1.44	187.4	
1:15	45.3	0.05	8.63	198.4	5.0	1.42	98.2	0.42 L/m
1:20	45.35	0.05	7.98	198.7	5.1	1.53	39.8	
1:25	45.35	0	7.63	198.4	5.1	1.69	34.5	
1:30	45.35	0	7.42	197.7	5.1	1.74	-24.2	
1:35	45.35	0	7.28	197.7	5.1	1.88	-19.8	

39

Sample Method: Low Flow
Rate (gpm): ~0.11 * Flow rate at stabilization (during sample collection)
Time Start: 1:00 Time End: 1:35

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.28	±0.1	Y / N	
Conductivity	197.7	3%	Y / N	
Temp (deg C)	5.1	3%	Y / N	
Dissolved Oxyge	1.88	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	-19.8	±10	Y / N	
DTW Stabilized	45.35	feet	Y / N	
Final H2O level	45.35	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) * See Field Volume Guide
If yes, required pump vol (gal) following stabilization: ~~~
Actual vol. pumped (gal) ~4 gal

O/G visible: Y / (N)
Equipment Decontaminated: (Y) / N
Turbid? (Y) / N slight

Decontamination procedure used: Triple rinse w/liquinox before sampling
PH, DO, ORP unable to stabilize. * Remove additional 40 gal after collect sample

Weather: Clear, very windy
Final DTW 58.4
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
used 5 gal bucket

* Water level was continuously rising as I was checking the DTW.

* Sample not rep. of aquafer conditions

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: B. Barela
Static Water Level (DTW): 50.4
Is well Dry? NO
If so Dry at: ____ feet

Date: 3/12/24
Quarter: 1
Well ID: GVMW-7A
Well Depth (TD): 200

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	~~DO mg/L~~ ORP	~~ORP~~ DO	Notes
1:25			7.45	3.1	5.6	104.6	12.37	
1:30	50.7	0.3	7.45	3.5	6.4	144.6	12.10	
1:35	50.75	0.05	7.46	2.3	6.8	126.7	7.26	
1:40	50.75	0	7.47	2.3	6.8	138.9	6.43	0.37 L/m
1:45	50.8	0.05	7.47	2.3	6.8	144.5	6.43	
1:50	50.8	0	7.47	2.2	6.7	149.8	7.00	
		TOTAL 0.4'						

Stabilized

(40)

Sample Method: Low Flow
Rate (gpm): ~0.09 * Flow rate at stabilization (during sample collection)
Time Start: 1:25 Time End: 1:50

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.47	±0.1	Y / N	
Conductivity	2.2	3%	Y / N	
Temp (deg C)	6.7	3%	Y / N	
Dissolved Oxyger	7.00	10%	Y / N	
Turbidity	Clear	10%	Y / N	
Oxidation/Reduction	144.8	±10	Y / N	
DTW Stabilized	50.8	feet	Y / N	
Final H2O level	50.8	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal): 1.24 following stabilization
Actual vol. pumped (gal) ~4 gal

O/G visible: Y / (N)
Equipment Decontaminated: (Y) / N
Turbid? Y / (N)

Decontamination procedure used: Triple rinse

Weather: 38° clear, warm
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
0.5 = 0.1 + 1.14 = 1.24
draw down
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy valley
Date: 3/26/2
Technician: R. Barella
Quarter: 1
Static Water Level (DTW): 41.9
Well ID: GVMW-7B
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 49.2 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:05			6.25	8784	5.8		386	
12:06			6.94	822.3	5.9		352	
12:11			7.41	855.9	6.3		326	
12:13			7.44	791.3	6.2		280	

Sample Method: 3 well V. Rate (gpm): — Time Start: 12:05 Time End: 12:13
* Flow rate at stabilization (during sample collection)

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.44	±0.1	Y / N	
Conductivity	791.3	3%	Y / N	
Temp (deg C)	6.2	3%	Y / N	
Dissolved Oxyger	—	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Red uction	280	±10	Y / N	
DTW Stabilized	—	feet	Y / N	
Final H2O level	—	feet		

If Low Flow Met Drawdown greater than 0.33 ft? ~~Y / N~~ If yes, required pump vol (gal): — Actual vol. pumped (gal) ~3.6 ga
* See Field Volume Guide following stabilization

O/G visible: Y / (N)
Equipment Decontaminated: Y / N
Turbid? (Y) / N slight

Decontamination procedure used: Triple rinse before sampling

Weather: 23°, Clear, Calm
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: $1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	**Show Calculations:** 49.2 - 41.9 = 7.3 7.3 x 0.1632 = 1.19 3 x 1.19 = 3.57

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: T. Barela
Static Water Level (DTW): 146.55
Date: 3/26/24
Quarter: 1
Well ID: GVMW-8A
Well Depth (TD): 229.05 feet
Is well Dry? NO
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
12:50			6.42	294.3	6.1	5.48	257.3	
12:55	146.75	0.2	6.54	274.2	5.9	7.39	248.0	
1:00	146.75	0	6.54	266.9	6.3	6.99	235.1	0.8 L/m (2.8 l)
1:05	146.77	0.02	6.66	266.9	7.0	6.21	214.5	
1:10	146.77	0	6.65	264.4	7.4	6.08	210.7	
1:15	146.78	0.01	6.65	263.3	7.5	6.04	209.3	
1:20	146.78	0	6.65	263.0	7.5	6.06	205.6	
		Total 0.23'						

Sample Method: Low Flow
Rate (gpm): ~0.21 * Flow rate at stabilization (during sample collection)
Time Start: 12:50 Time End: 1:20

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.65	±0.1	Y / N	
Conductivity	263.0	3%	Y / N	
Temp (deg C)	7.5	3%	Y / N	
Dissolved Oxyge	6.06	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	205.6	±10	Y / N	
DTW Stabilized	146.78	feet	Y / N	
Final H2O level	146.78	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
* See Field Volume Guide
If yes, required pump vol (gal): 0.30 following stabilization
Actual vol. pumped (gal) ~7

O/G visible: Y / N
Equipment Decontaminated: Y / N
Turbid? Y / N
Decontamination procedure used: dedicated pump

Weather: Clear, cold
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:	Show Calculations:
$1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	0.45 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Date: 3/26/24 & 3/27/24
Technician: P. Barela
Quarter: 1
Static Water Level (DTW): 42.32
Well ID: GVMW-8B
Well Depth (TD): 47.37 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
1:45			6.58	250.4	5.9	10.73	222.5	
1:50	43.65	1.33	6.61	248.1	6.4	9.63	219.9	
1:55	43.85	0.2	6.68	246.6	8.0	9.05	211.7	
2:00			6.64	248.9	7.0	20.94	216.0	
3/27/24								
9:40	42.67							
9:45	43.55		6.30	151.2	5.4	9.84	253.9	

Sample Method: Purge & return
Rate (gpm): —
* Flow rate at stabilization (during sample collection)
Time Start: 1:45 3-26-24
Time End: 9:45 3-27-24

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.30	±0.1	Y / N	
Conductivity	151.2	3%	Y / N	
Temp (deg C)	5.4	3%	Y / N	
Dissolved Oxyger	9.84	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	253.9	±10	Y / N	
DTW Stabilized	43.55	feet	Y / N	
Final H2O level	43.55	feet		

If Low Flow Met Drawdown greater than 0.33 ft? ~~Y~~ / N
* See Field Volume Guide
If yes, required pump vol (gal): — following stabilization
Actual vol. pumped (gal) —

O/G visible: Y / N
Turbid? Y / N
Equipment Decontaminated: Y / N

Decontamination procedure used: Dedicated pump. Water level never stabilized, moved to Purge & return water level dropped to 46.70

Weather: clear, cold
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: $1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	**Show Calculations:**

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 244

Date: 3/25/24
Quarter: 1
Well ID: GVMW-10
Well Depth (TD): 245.5

Is well Dry? NO
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
12:20								

NO sample
Insufficient temp

Sample Method: ____ Rate (gpm): ____ Time Start: ____ Time End: ____
* Flow rate at stabilization (during sample collection)

Final Parameters	Stabilization Guidance		Met?	Comments
pH		±0.1	Y / N	
Conductivity		3%	Y / N	
Temp (deg C)		3%	Y / N	
Dissolved Oxyger		10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction		±10	Y / N	
DTW Stabilized		feet	Y / N	
Final H2O level		feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): ____ Actual vol. pumped (gal) ____
* See Field Volume Guide
following stabilization

O/G visible: Y / N
Equipment Decontaminated: Y / N
Turbid? Y / N

Decontamination procedure used: use sander

Weather: 17°, light snow, overcast, cold

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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: J. Burville
Static Water Level (DTW): 93.15
Date: 3/20/24
Quarter: 1
Well ID: GVMW-15A
Well Depth (TD): ~~682~~
Is well Dry? NO
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
2:27	44.7	1.55						1.3 L/M (85)
2:38	44.92	0.22	6.75	416.17	6.56	.4	50.5	
2:43	45.04	0.12	6.61	415.16	6.08	.25	104.2	
2:48	95.15	0.11	6.54	413.27	6.25	.22	95.7	
2:53	95.18	0.03	6.52	407.15	6.40	.18	77.7	
2:58	95.28	0.1	6.51	406.32	6.30	.16	112.1	
3:04	95.35	0.07	6.51	401.73	6.39	.16	83.7	
3:09	95.35	0	6.52	395.79	6.42	.14	57.2	
		10 MIN 2.2'						

Sample Method: Low Flow
Rate (gpm): ~0.34
* Flow rate at stabilization (during sample collection)
Time Start: 2:27 Time End: 3:09

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.52	±0.1	Y / N	
Conductivity	395.79	3%	Y / N	
Temp (deg C)	6.42	3%	Y / N	
Dissolved Oxygen	.14	10%	Y / N	
Turbidity	slight	10%	Y / N	
Oxidation/Reduction	57.2	±10	Y / N	
DTW Stabilized	95.35	feet	Y / N	
Final H2O level	95.35	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal) following stabilization: ~2.27
Actual vol. pumped (gal): ~9.5

O/G visible: Y / (N)
Equipment Decontaminated: (Y) / N
Turbid? (Y) / N
Decontamination procedure used: Triple rinse w/ liquinox before sampling

Weather: 41°, clear, warm
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
2.2 = 1.5 + 0.77 = 2.27
draw down
use 5 gal bucket

* DO & ORP Parameters not stable due to suspected dewatering of well

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 82.8
Is well Dry? NO
If so Dry at: —

Date: 3/6/24
Quarter: 1
Well ID: GVMW-15B
Well Depth (TD): 102 feet

Stabilization

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:40			3.25	132.4	6.3	6.16	367.1	
11:09	86.1	3.3	4.11	155.6	5.6	0.81	238.9	
11:14	86.1	0	4.11	146.8	5.6	0.80	236.4	3.33 L/M
11:19	86.1	0	4.10	144.1	5.6	0.77	234.0	
11:24	86.1	0	4.10	144.9	5.6	0.77	233.3	
	Total drawdown = 3.3'							

Sample Method: 3 well
Rate (gpm): ~0.88 * Flow rate at stabilization (during sample collection)
Time Start: 10:40 **Time End:** 11:24

Final Parameters	Stabilization Guidance		Met?	Comments
pH	4.10	±0.1	Y / N	
Conductivity	144.9	3%	Y / N	
Temp (deg C)	5.6	3%	Y / N	
Dissolved Oxygen	0.77	10%	Y / N	.3 mg/L for vol. met purge
Turbidity	clear	10%	Y / N	
Oxidation/Reduction	233.3	±10	Y / N	
DTW Stabilized	86.1	feet	Y / N	
Final H2O level	86.1	feet		

If Low Flow Met Drawdown greater than 0.33 ft? ~~Y~~ / N
* See Field Volume Guide

If yes, required pump vol (gal): 37.5 gal following stabilization

Actual vol. pumped (gal) 45 gal

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N

Decontamination procedure used: Triple rinse w/ Liquinox before sampling.

collected duplicate

Weather: 32°, windy, cold

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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
102 − 82.8 = 19.2
0.6528 × 19.22 = 12.53
3 × 12.53 = 37.59
Use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/6/24
Technician: P. Barela
Quarter: 1
Static Water Level (DTW): 82.8
Well ID: GVMW-15G
Well Depth (TD): 102 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
11:24	86.1	3.3	4.10	144.9	5.6	0.77	233.3	

Total 3.3'

Duplicate of GVMW-15B

Sample Method: 3 well
Rate (gpm): ~0.88
** Flow rate at stabilization (during sample collection)*
Time Start: 10:40
Time End: 11:24

Final Parameters	Stabilization Guidance		Met?	Comments
pH	4.10	±0.1	Y / N (Y circled)	
Conductivity	144.9	3%	Y / N (Y marked)	
Temp (deg C)	5.6	3%	Y / N (Y marked)	
Dissolved Oxygen	0.77	10%	Y / N (Y circled)	
Turbidity	clear	10%	Y / N (Y marked)	
Oxidation/Reduction	233.3	±10	Y / N (Y marked)	
DTW Stabilized	86.1	feet	Y / N (Y marked)	
Final H2O level	86.1	feet		

If Low Flow Met Drawdown greater than 0.33 ft? ~~Y / N~~
** See Field Volume Guide*
If yes, required pump vol (gal) following stabilization: 37.59
Actual vol. pumped (gal): 45 gal

O/G visible: Y / N
Turbid? Y / N
Equipment Decontaminated: Y (circled) / N
Decontamination procedure used: Triple rinse w/ liquinox before sampling

Weather: 32°, windy, cold.
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:	**Show Calculations:**
$1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): —
Is well Dry? —
If so Dry at: — feet

Date: 3/13/24
Quarter: 1
Well ID: GVMW-15C
Well Depth (TD): 440

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:52								Sounder was Full of dirt when pulled out.
			Logged					
								NO Sample

Sample Method: —
Rate (gpm): —
* Flow rate at stabilization (during sample collection)
Time Start: —
Time End:

Final Parameters	Stabilization Guidance		Met?	Comments
pH		±0.1	Y / N	
Conductivity		3%	Y / N	
Temp (deg C)		3%	Y / N	
Dissolved Oxyge		10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction		±10	Y / N	
DTW Stabilized		feet	Y / N	
Final H2O level		feet		

If Low Flow Met Drawdown greater than 0.33 ft? ~~Y / N~~
* See Field Volume Guide
If yes, required pump vol (gal): — following stabilization
Actual vol. pumped (gal) —

O/G visible: ~~Y / N~~
Equipment Decontaminated: ~~Y / N~~
Turbid? ~~Y / N~~

Decontamination procedure used: Use Sounder.

Weather: 38°, cloudy, cold
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 3.4
Is well Dry? NO
If so Dry at: —
Date: 3/12/24
Quarter: 1
Well ID: GVMW-22A
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
2:24			7.90	230.8	6.0	10.02	239.5	
2:29	3.5	0.1	7.84	210.8	5.0	9.46	240.0	
2:34	3.8	0.3	7.84	211.2	5.5	9.06	238.1	
2:39	4.8	1	7.85	210.2	5.5	8.42	244.0	0.6 L/m
2:44	4.8	0	7.84	212.4	5.6	8.50	249.3	
2:49	4.7	+0.1	7.84	212.3	5.5	8.47	250.6	
		Total 1.3'						

Stabilization ①

Sample Method: Low Flow
Rate (gpm): ~0.15 * Flow rate at stabilization (during sample collection)
Time Start: 2:24 Time End: 2:49

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.84	±0.1	Y / N	
Conductivity	212.3	3%	Y / N	
Temp (deg C)	5.5	3%	Y / N	
Dissolved Oxyger	8.47	10%	Y / N	
Turbidity	clear	10%	Y / N	
Oxidation/Reduction	250.8	±10	Y / N	
DTW Stabilized	4.7	feet	Y / N	
Final H2O level	4.7	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal): 1.20 Actual vol. pumped (gal) 2 gal following stabilization

O/G visible: Y / (N)
Equipment Decontaminated: (Y) / N
Turbid? Y / (N)
Decontamination procedure used: Triple rinse w/ liquinox before sampling

Weather: 38°, clear
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
1.3 = 0.8 * 0.40 = 1.20
drew down
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 3.8

Date: 3/20/24
Quarter: 1
Well ID: GVMW-22B
Well Depth (TD): 30 feet

Is well Dry? NO
If so Dry at: —

Stabilization

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:18			6.42	20.8	5.1	11.56	92.2	
12:23	4.45	0.65	6.75	29.3	5.1	10.15	104.0	
12:28	4.4	+0.05	6.64	28.2	5.0	8.33	113.6	1.30 4/m (4)
12:33	4.4	0	6.63	28.1	5.0	8.72	122.4	
12:38	4.4	0	6.64	28.3	5.0	8.31	120.6	
12:43	4.4	0	6.64	28.5	5.1	8.52	121.8	
		Total 0.6'						

Sample Method: Low Flow
Rate (gpm): ~0.34 * Flow rate at stabilization (during sample collection)
Time Start: 12:18 Time End: 12:43

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.64	±0.1	Y / N	
Conductivity	28.5	3%	Y / N	
Temp (deg C)	5.1	3%	Y / N	
Dissolved Oxyge	8.52	10%	Y / N	
Turbidity	clear	10%	Y / N	
Oxidation/Reduction	121.8	±10	Y / N	
DTW Stabilized	4.4	feet	Y / N	
Final H2O level	4.4	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 0.67
Actual vol. pumped (gal) ~9 gal

O/G visible: Y / (N)
Equipment Decontaminated: (Y) / N
Turbid? Y / (N)
Decontamination procedure used: Triple rinse w/ liquinox before sampling.

Weather: 40°, clear, warm
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
0.6 drawdown 0.5 + 0.17 = 0.67

Use 5gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: D. Barela
Static Water Level (DTW): 208.3

Date: 3/28/24
Quarter: 1
Well ID: GVMW-24A
Well Depth (TD): 250

Is well Dry? NO
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
11:30								

NO Sample.

Sample Method: —
Rate (gpm): —
* Flow rate at stabilization (during sample collection)
Time Start: — Time End: —

Final Parameters	Stabilization Guidance		Met?	Comments
pH		±0.1	Y / N	
Conductivity		3%	Y / N	
Temp (deg C)		3%	Y / N	
Dissolved Oxyger		10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Red uction		±10	Y / N	
DTW Stabilized		feet	Y / N	
Final H2O level		feet		

If Low Flow Met Drawdown greater than 0.33 ft? ~~Y / N~~ If yes, required pump vol (gal): — Actual vol. pumped (gal) —
following stabilization
* See Field Volume Guide

O/G visible: ~~Y / N~~
Equipment Decontaminated: Y / N
Turbid? ~~Y / N~~

Decontamination procedure used: attempted to Pump but nothing was Pumping out will try to redevelop well and attempt another ~~Sampling~~ Collection

Weather: Clear, windy
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/6/24
Technician: P. Barela
Quarter: 1
Static Water Level (DTW): —
Well ID: GVMW-24(B
Well Depth (TD): 100 feet
Is well Dry? Yes
If so Dry at: 100

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:00								

NO SAMPLE

Sample Method: —
Rate (gpm): —
* Flow rate at stabilization (during sample collection)
Time Start: —
Time End: —

Final Parameters	Stabilization Guidance		Met?	Comments
pH		±0.1	Y / N	
Conductivity		3%	Y / N	
Temp (deg C)		3%	Y / N	
Dissolved Oxyger		10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction		±10	Y / N	
DTW Stabilized		feet	Y / N	
Final H2O level		feet		

If Low Flow Met Drawdown greater than 0.33 ft? ~~Y / N~~
* See Field Volume Guide
If yes, required pump vol (gal): —
following stabilization
Actual vol. pumped (gal) —

O/G visible: ~~Y / N~~
Equipment Decontaminated: ~~Y / N~~
Turbid? Y / N

Decontamination procedure used: use sounder

Weather: 34°, cold, windy
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:	Show Calculations:
$1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 63.9
Is well Dry? NO
If so Dry at: —

Date: 3/6/24
Quarter: 1
Well ID: GVMW-25
Well Depth (TD): 79 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:31			3.47	156.9	9.8	10.49	350.3	
12:36	64.1	0.2	3.67	162.3	10.3	8.74	336.8	
12:41	64.2	0.1	3.66	235.3	10.9	7.55	323.8	
12:46	64.2	0	3.70	250.7	11.0	6.99	312.2	0.43 L/m
12:51	64.2	0	3.70	252.1	10.9	6.90	318.1	
12:56	64.2	0	3.70	251.4	10.9	6.56	330.4	
		Total drawdown = 0.3'						

stabilized * (12:46)

Sample Method: Low Flow
Rate (gpm): ~0.11 * Flow rate at stabilization (during sample collection)
Time Start: 12:31 Time End: 12:56

Final Parameters	Stabilization Guidance		Met?	Comments
pH	3.70	±0.1	Y / N	
Conductivity	251.4	3%	Y / N	
Temp (deg C)	10.9	3%	Y / N	
Dissolved Oxygen	6.56	10%	Y / N	
Turbidity	clear	10%	Y / N	
Oxidation/Reduction	330.4	±10	Y / N	
DTW Stabilized	64.2	feet	Y / N	
Final H2O level	64.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
* See Field Volume Guide
If yes, required pump vol (gal): 0.65 following stabilization
Actual vol. pumped (gal) ~4 gal

O/G visible: Y / N
Turbid? Y / N
Equipment Decontaminated: Y / N

Decontamination procedure used: Triple rinse w/liquinox before sampling. collected BB after sampling.

Weather: 34°, windy, cold

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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
0.3 (draw down) = 0.2 + 0.45 = 0.65
use 5 gal bucket

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: BB-~~306~~ 0306

Date: 3/6/24

Technician: R. Barela

Quarter: 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
2:22	7.45	2.76	10.5	DI water.

ORP
274

Sample Method: Grab

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: Clear, windy, cold

Signature:

Comments:

Collect BB after sampling GVMW-25

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 6.35

Date: 3/20/24
Quarter: 1
Well ID: GVMW-26A
Well Depth (TD): 71 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
10:17			7.45	346.6	4.6	7.21	278	
10:22	6.3	0.05	7.75	222.6	4.6	7.10	254	
10:27	6.4	0.1	7.84	315.9	5.7	7.61	266	
10:32	6.5	0.1	7.85	314.8	5.6	7.54	275	0.45 L/m (a)
10:37	6.6	0.1	7.85	313.0	5.7	7.54	285	
10:42	6.6	0	7.86	314.5	5.7	7.66	287	
10:47	6.6	0	7.86	314.3	5.7	7.78	287	

Stabilization

Sample Method: Low Flow
Rate (gpm): ~0.11 * Flow rate at stabilization (during sample collection)
Time Start: 10:17 Time End: 10:47

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.86	±0.1	Y / N	
Conductivity	314.3	3%	Y / N	
Temp (deg C)	5.7	3%	Y / N	
Dissolved Oxyger	7.78	10%	Y / N	
Turbidity	clear	10%	Y / N	
Oxidation/Reduction	287	±10	Y / N	
DTW Stabilized	6.6	feet	Y / N	
Final H2O level	6.6	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal): 0.71 following stabilization
Actual vol. pumped (gal) ~3.5 gal

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse w/ liquinox before sampling

Weather: 41°, clear, warm
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
0.5 = 0.3 + 0.41 = 0.71
0.5 drawdown
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 6.0

Date: 3/20/24
Quarter: 1
Well ID: GVMW-26B
Well Depth (TD): 24

Is well Dry? NO
If so Dry at: — feet

Stabilization

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:09			6.45	122.7	6.0	5.35	56.1	
11:14	6.0	0	6.60	128.8	5.0	5.53	73.1	
11:19	6.0	0	6.60	127.1	5.0	7.40	97.4	0.10 L/m (S)
11:24	6.0	0	6.60	127.0	5.1	7.00	96.5	
11:29	6.0	0	6.60	126.3	5.0	7.30	92.2	
		Total 0						

Sample Method: Low Flow
Rate (gpm): ~0.02 * Flow rate at stabilization (during sample collection)
Time Start: 11:09 Time End: 11:29

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.60	±0.1	Y / N	
Conductivity	126.3	3%	Y / N	
Temp (deg C)	5.0	3%	Y / N	
Dissolved Oxyger	7.30	10%	Y / N	
Turbidity	clear	10%	Y / N	
Oxidation/Reduction	92.2	±10	Y / N	
DTW Stabilized	6.0	feet	Y / N	
Final H2O level	6.0	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) ~1 gal
* See Field Volume Guide
following stabilization

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse w/ liquinox before sampling

Weather: 41°, clear, warm
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
USE 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Ecosa Road
Technician: J. Barela
Static Water Level (DTW): 15.7
Date: 3/26/24
Quarter: 1
Well ID: OSABH-17
Well Depth (TD): 30
Is well Dry? NO
If so Dry at: — feet

stabilization

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:32			2.90	10981	3.4	48.23	524.5	
10:37	15.8	0.1	2.79	11004	3.9	38.02	532.8	
10:42	15.85	0.05	2.80	10950	4.0	26.75	534.4	
10:47	15.85	0	2.80	10920	4.0	22.05	539.5	0.27 4m (25')
10:52	15.85	0	2.80	10971	3.9	20.50	542.6	
10:57	15.85	0	2.80	10981	4.0	19.78	543.7	
11:02	15.85	0	2.80	10964	4.0	20.68	544.9	
		total 0.15'						

Sample Method: Low Flow
Rate (gpm): ~0.07 * Flow rate at stabilization (during sample collection)
Time Start: 10:32 Time End: 11:02

Final Parameters	Stabilization Guidance		Met?	Comments
pH	2.80	±0.1	Y / N	
Conductivity	10964	3%	Y / N	
Temp (deg C)	4.0	3%	Y / N	
Dissolved Oxyge	20.68	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	549.9	±10	Y / N	
DTW Stabilized	15.85	feet	Y / N	
Final H2O level	15.85	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) * See Field Volume Guide
If yes, required pump vol (gal): — following stabilization
Actual vol. pumped (gal) ~2.3 gal

O/G visible: Y / (N)
Turbid? (Y) / N
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse w/ liquinox before sampling

Weather: 23° clear
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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
use 5 gal bucket

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 3-4-24

Location: SeeP-1

Quarter: 1

Technician: P. Barela

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
8:12	—	—	—	—

Sample Method: —

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 20°, clear, cold

Signature:

Comments:

NO FLOW, SNOW PACKED

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 3-4-24

Location: SeeP-2

Quarter: 1

Technician: P. Barela

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
8:06	/	/	/	/

Sample Method: —

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 20°, clear, cold

Signature:

Comments:

NO Flow, Snow Packed

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 3-4-24

Location : GV-02

Quarter: 1

Technician: J. Barela

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
7:40				

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 20° Clear, Cold

Signature:

Comments:

Packed w/snow, NO FLOW

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 3-4-24

Location : GV-03

Quarter: 1

Technician: T. Barela

Time	pH (S.U.)	Cond (uS/cm)	Temp °C	Notes
7:21	/	/	/	/

Sample Method: —

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 18° cold, clear

Signature:

Comments:

18°

Covered in snow. No flow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location : GV-06

Date: 3-4-24

Technician: T. Burley

Quarter: 1

Time	pH (S.U.)	Cond (uS/cm)	Temp. (°C)	Notes
7:30	—	—	—	—

Sample Method: —

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 18° Clear, cold

Signature:

Comments:

Frozen, Snow Packed, NO Flow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 3-4-24

Location: EMP-16

Quarter: 1

Technician: P. Barela

Time	pH (S.U.)	Cond (uS/cm)	Temp (°C)	Notes
8:00	—	—	—	—

Sample Method: —

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 20°, clear, cold

Signature:

Comments:

NO FLOW, Packed w/ snow

20°

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 3-4-24

Location : EMP-17

Quarter: 1

Technician: T. Bartels

Time	pH (S.U.)	Cond (uS/cm)	Temp. (°C)	Flows
8:04	—	—	—	—

Sample Method: —

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 20°, clear, cold

Signature:

Comments:

Flow Packed, NO Flow

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 3-4-24

Location: EMD-17A

Quarter: 1

Technician: D. Barela

Time	pH (S.U.)	Cond (uS/cm)	Temp (°C)	Notes
8:04	/	/	/	/

Sample Method: —

Oil/Gas visible [Y/N]

Turbid [Y/N]

Clear [Y/N]

Weather: 20°, clear, cold

Signature:

Comments:

NO FLOW, SNOW PACKED

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 3-4-24

Location: EMP-17B

Quarter: 1

Technician: R. BAHIA

Time	pH (S.U.)	Cond (uS/cm)	Temp (°C)	Notes
8:04	✓	/	/	/

Sample Method: —

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 20°, Clear, cold

Signature: [signature]

Comments:

NO Flow, snow Packed

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: EMP-20

Date: 3-4-24

Technician: J. Barela

Quarter: 1

Time	pH (S.U.)	Cond (uS/cm)	Temp. (°C)	Notes
8:09				

Sample Method:

Oil/Gas visible [Y/N]

Turbid [Y/N]

Clear [Y/N]

Weather: 20, clear, cold

Signature:

Comments:

NO FLOW, SNOW Packed

Newmont
NORTH AMERICA

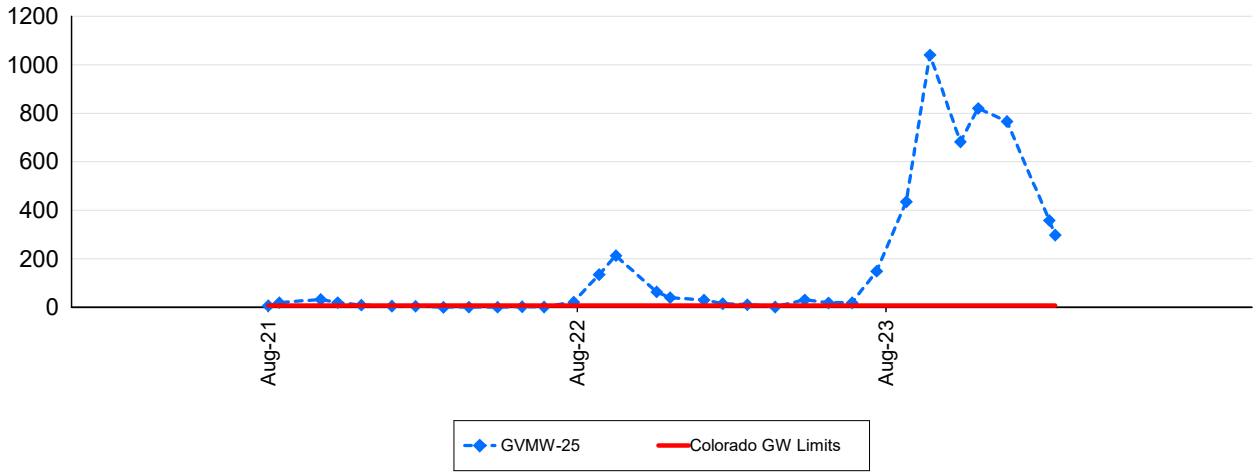
Cripple Creek & Victor
Gold Mining Company
P.O. Box 191
100 North 3rd Street
Victor, Colorado 80860

P 719.689.2977
F 719.689.3254
newmont.com

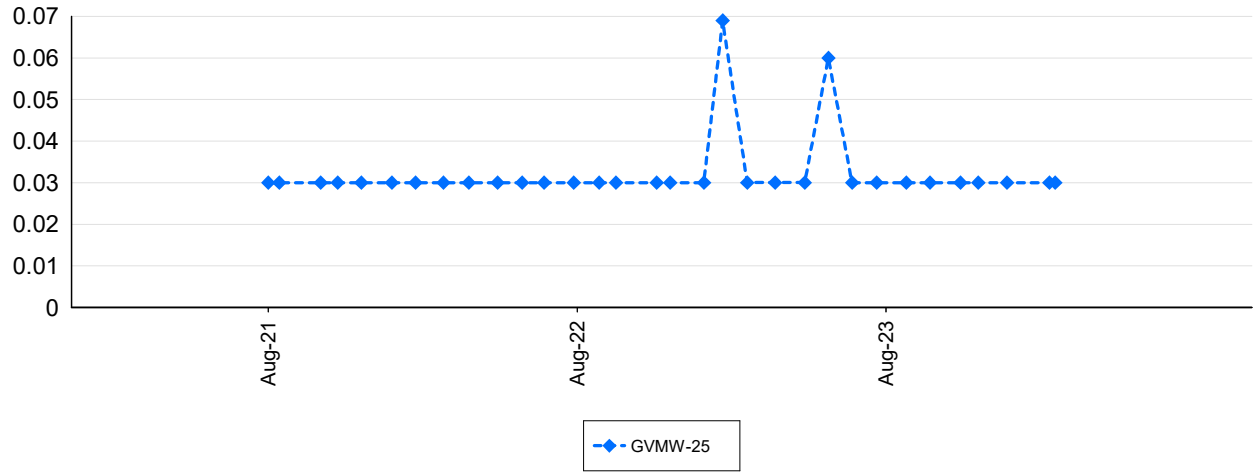
Attachment 3

GVMW-25 Historical Graphs

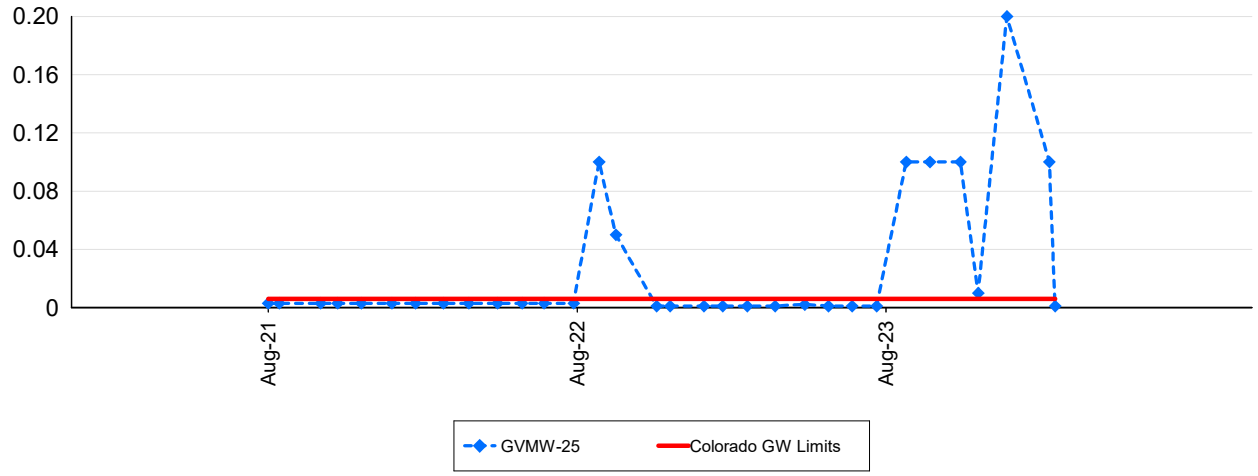
: Aluminium - Dissolved (mg/L)

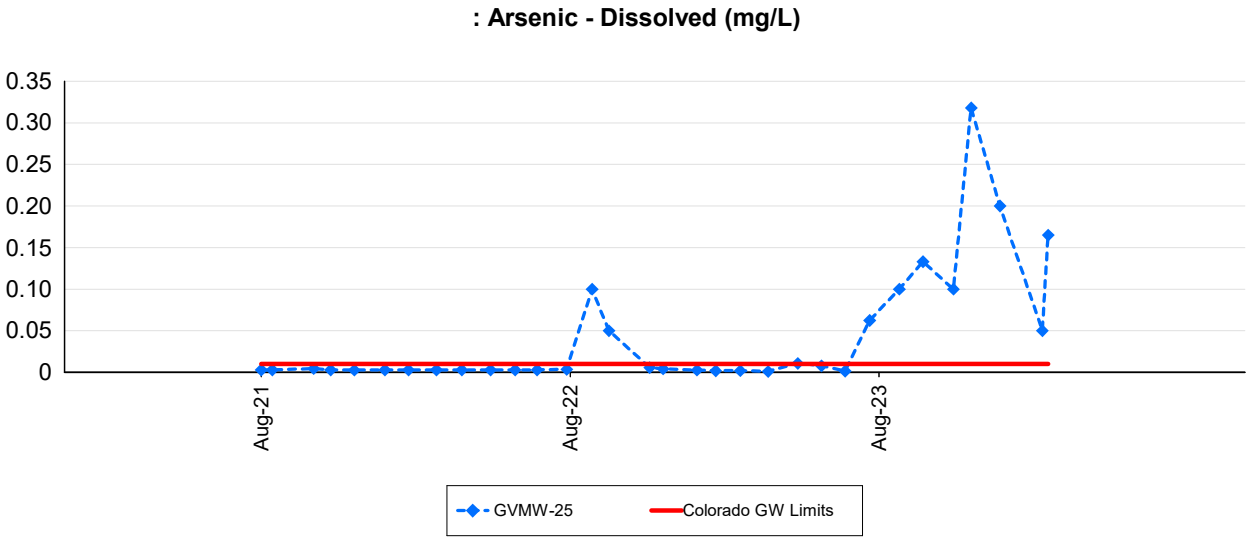


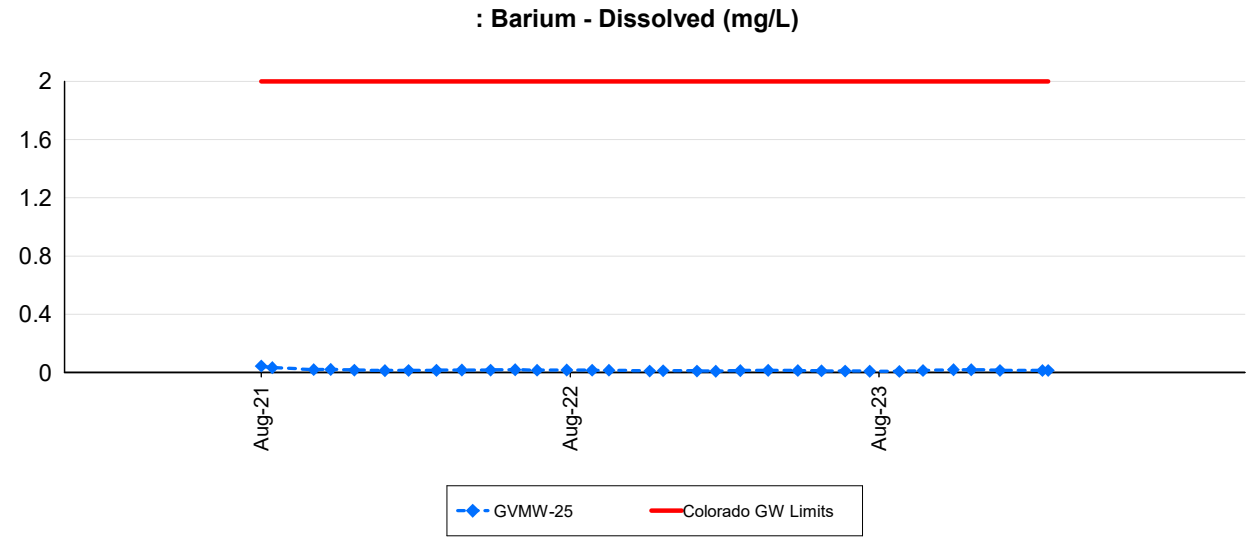
: Ammonia (mg/L)

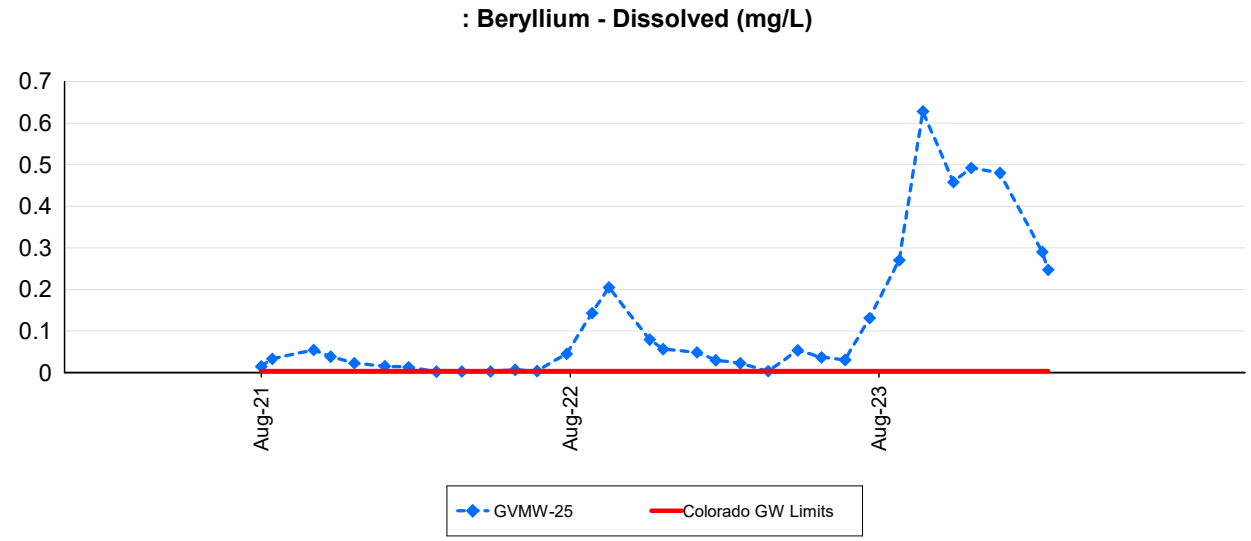


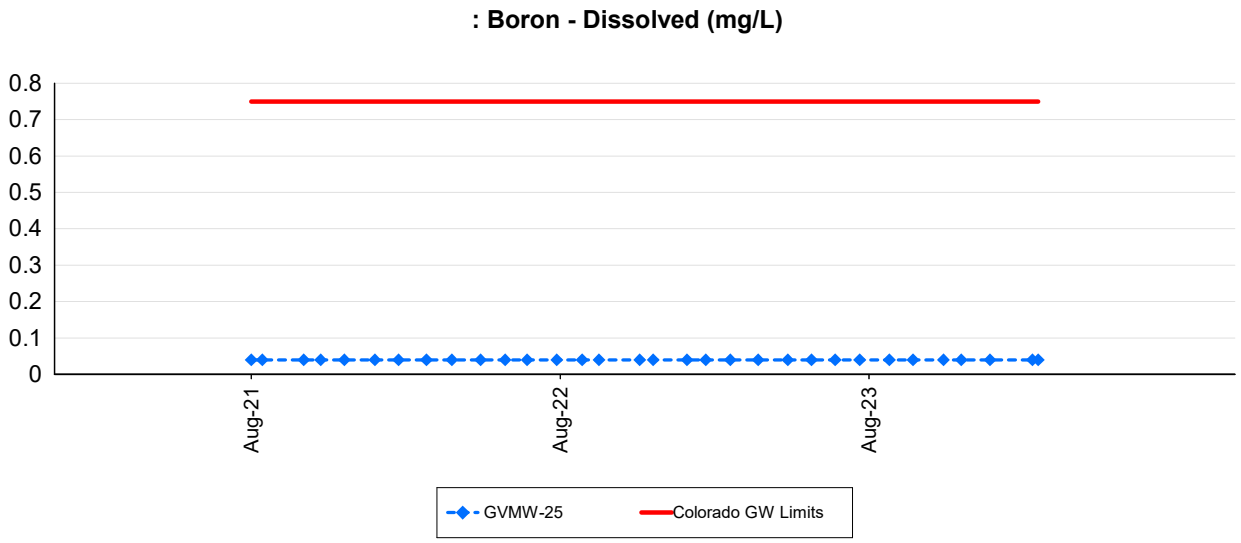
: Antimony - Dissolved (mg/L)

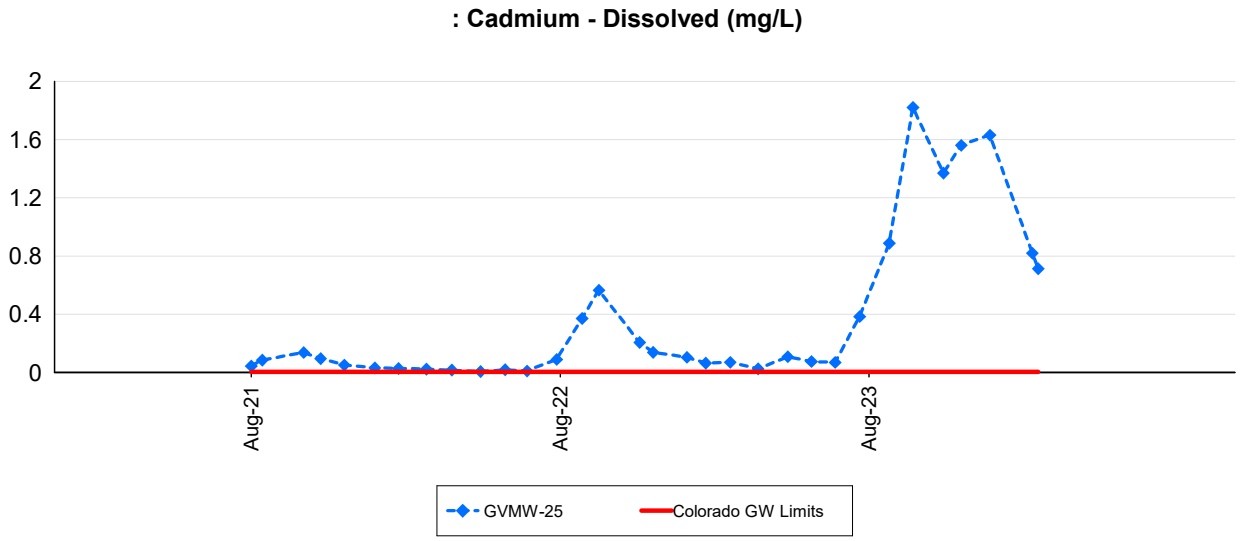


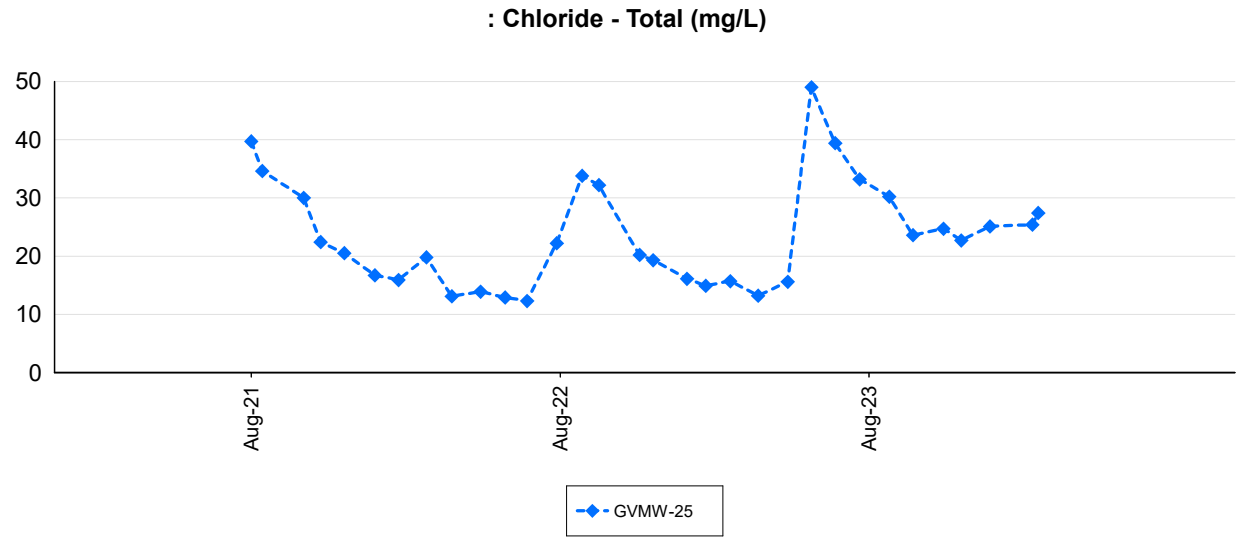


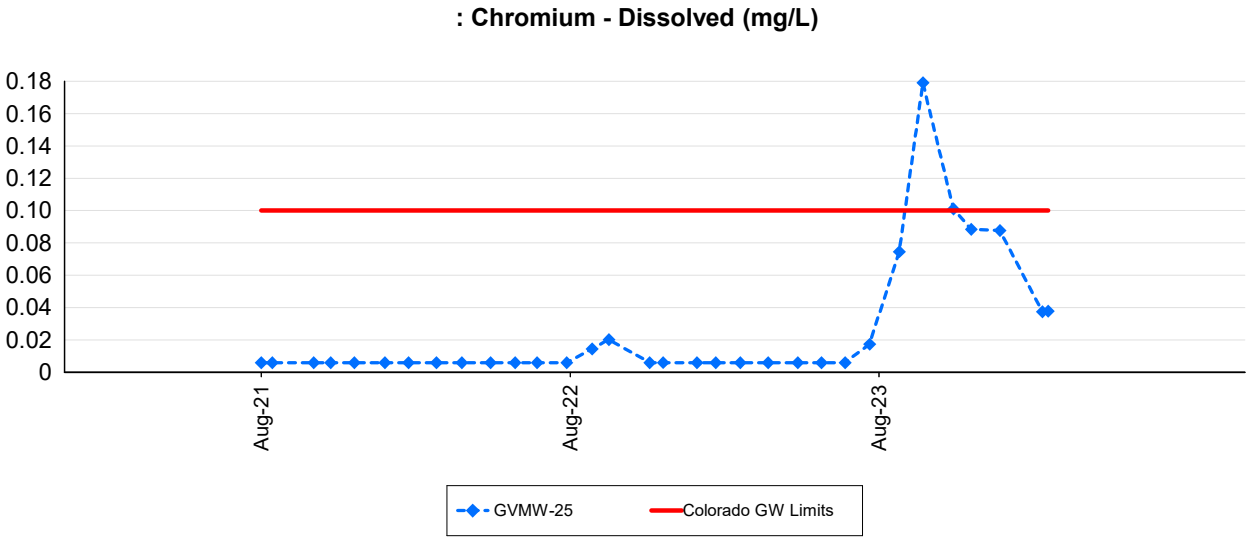


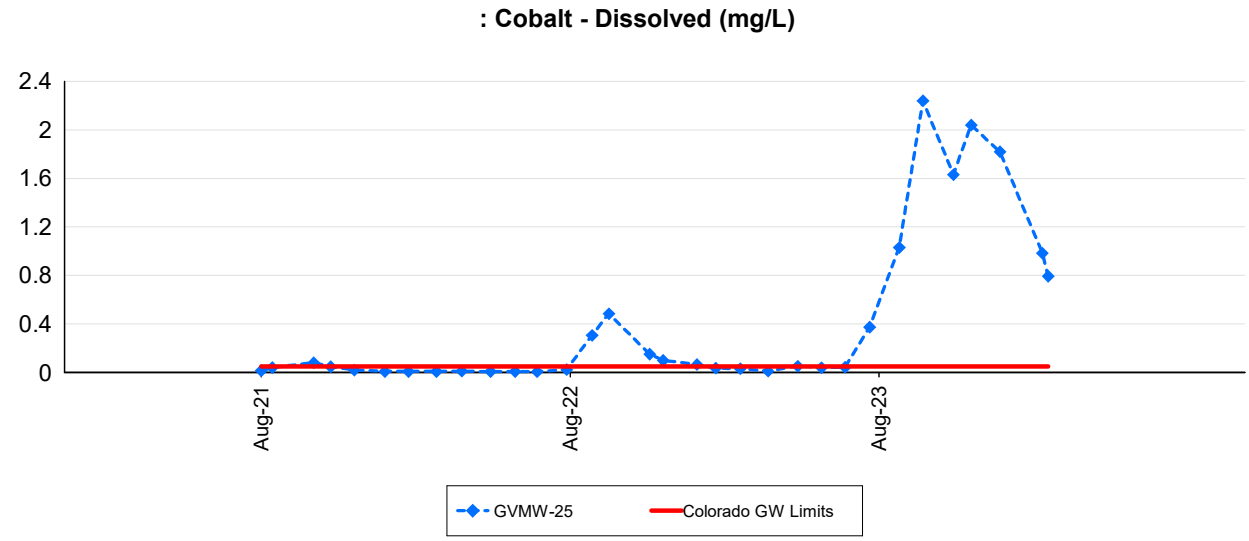


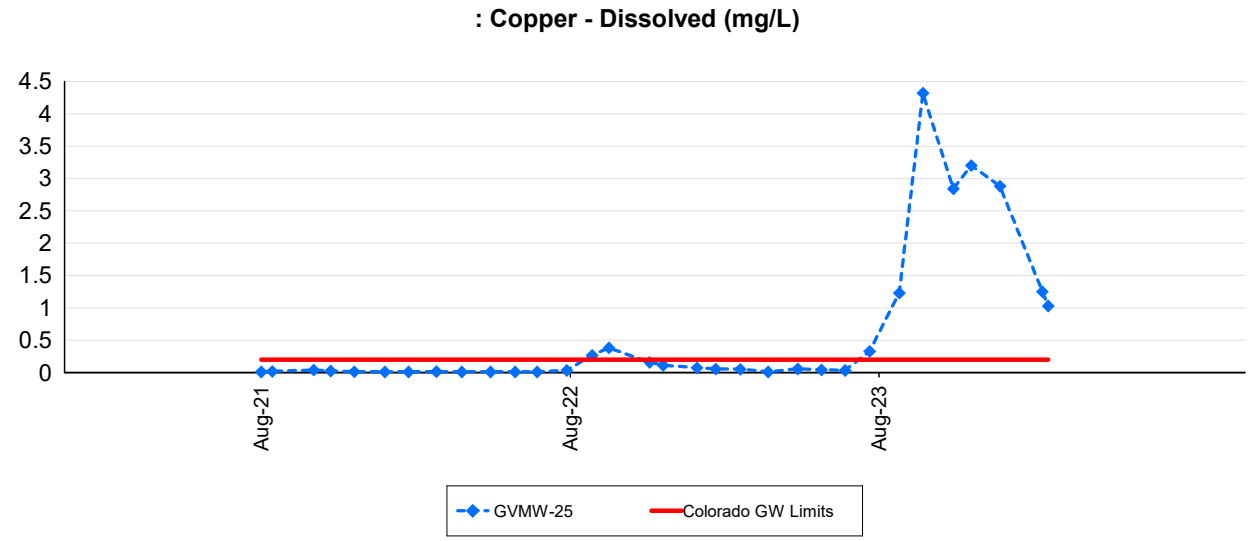


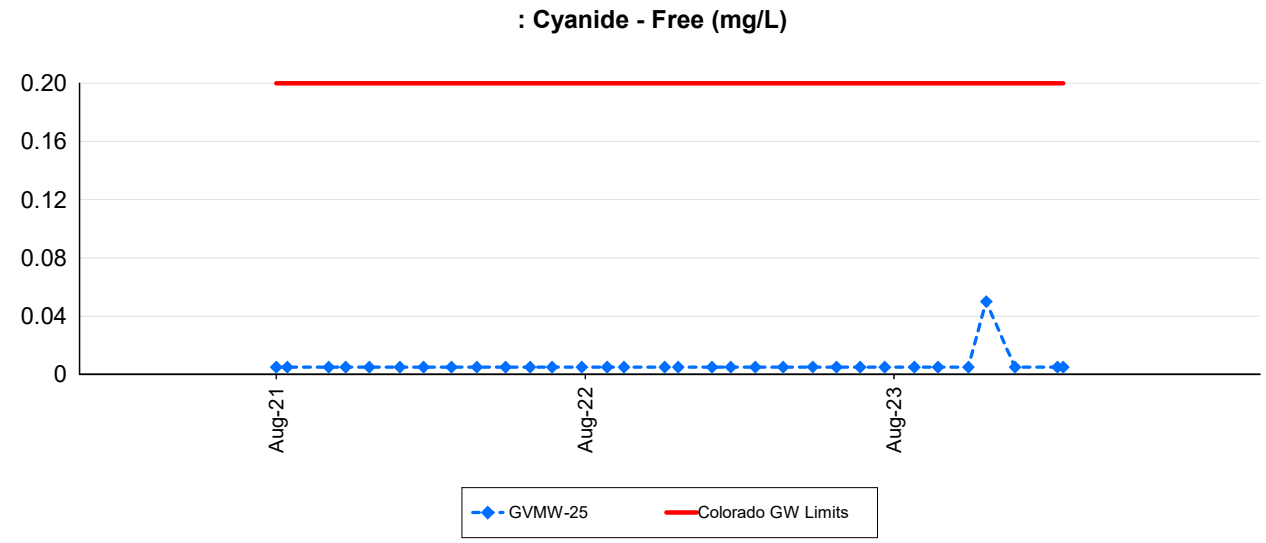


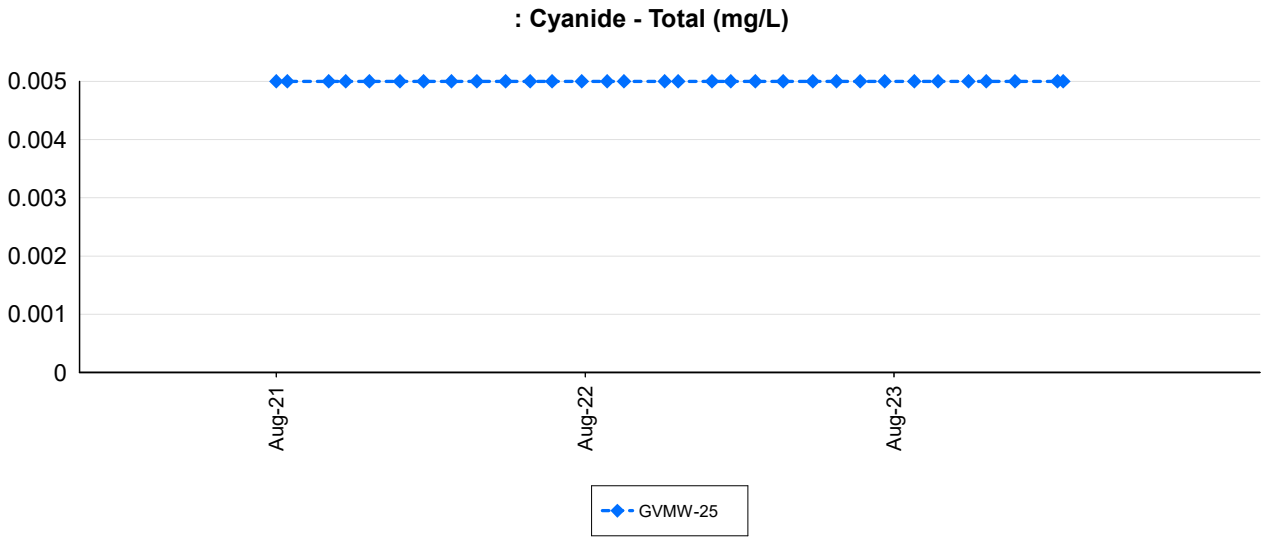


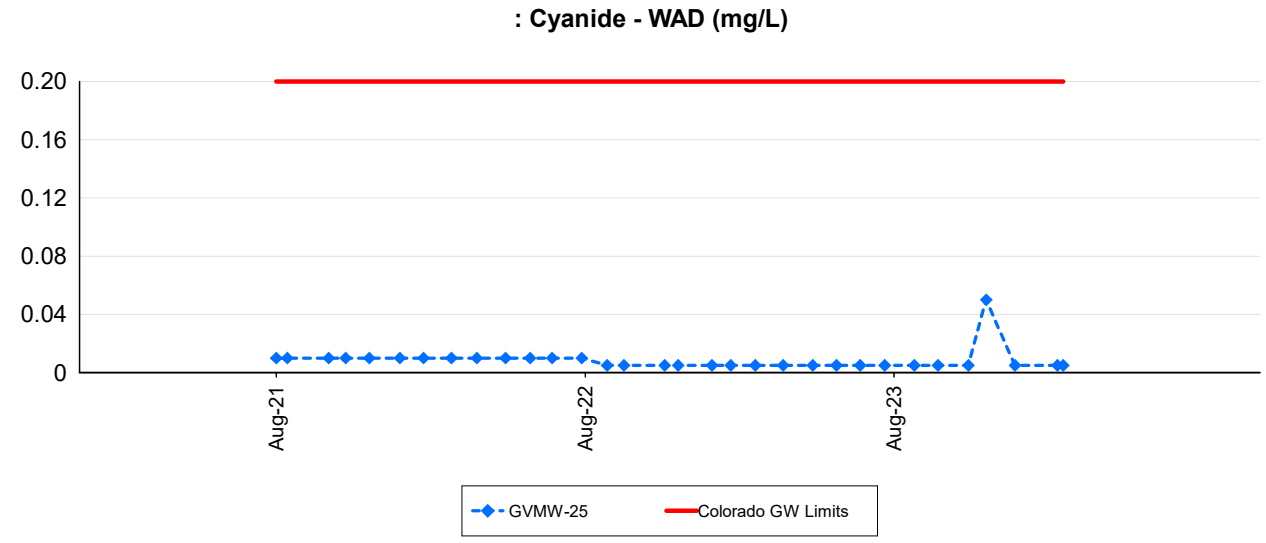


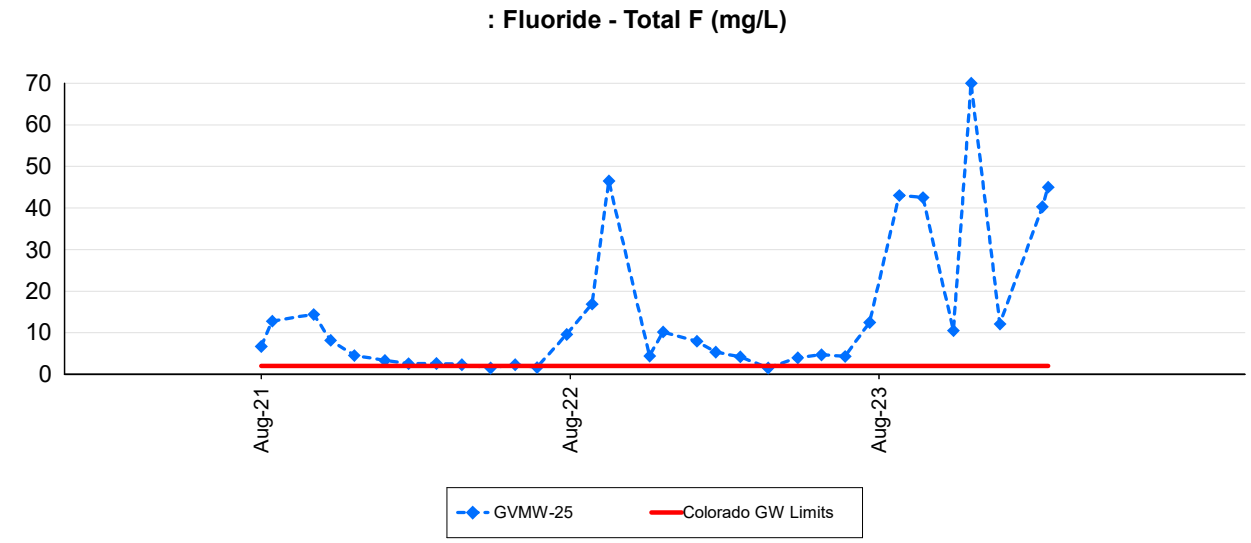


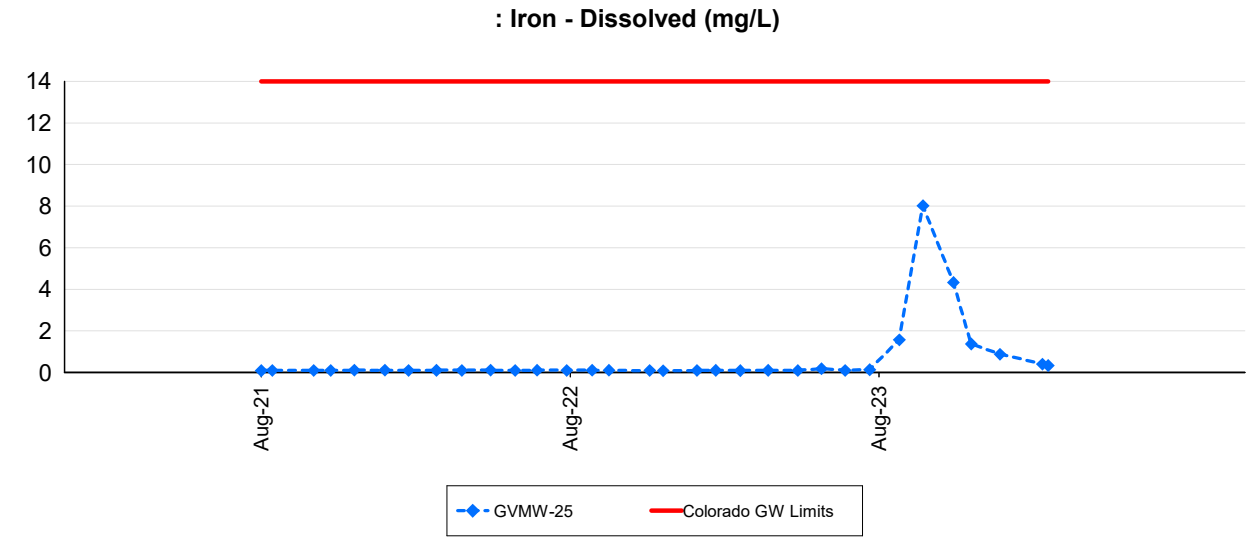


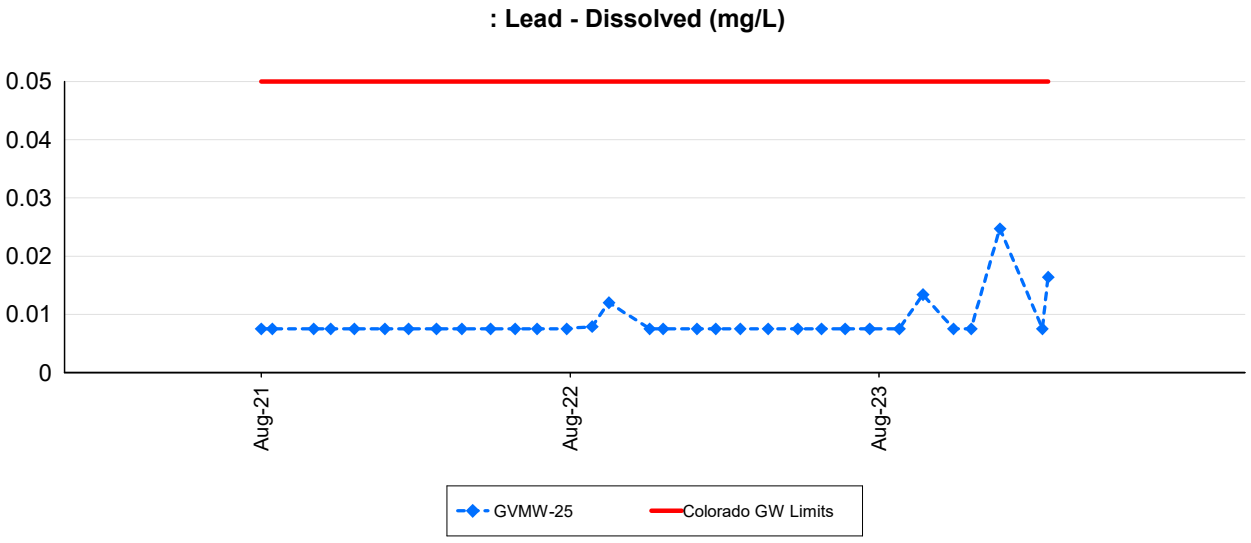


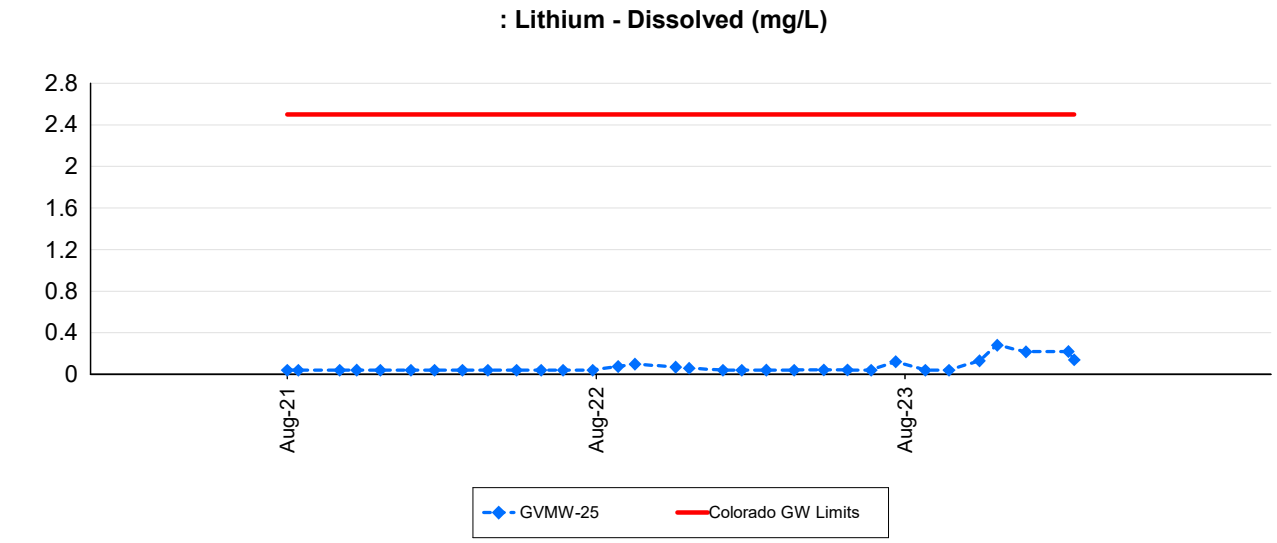


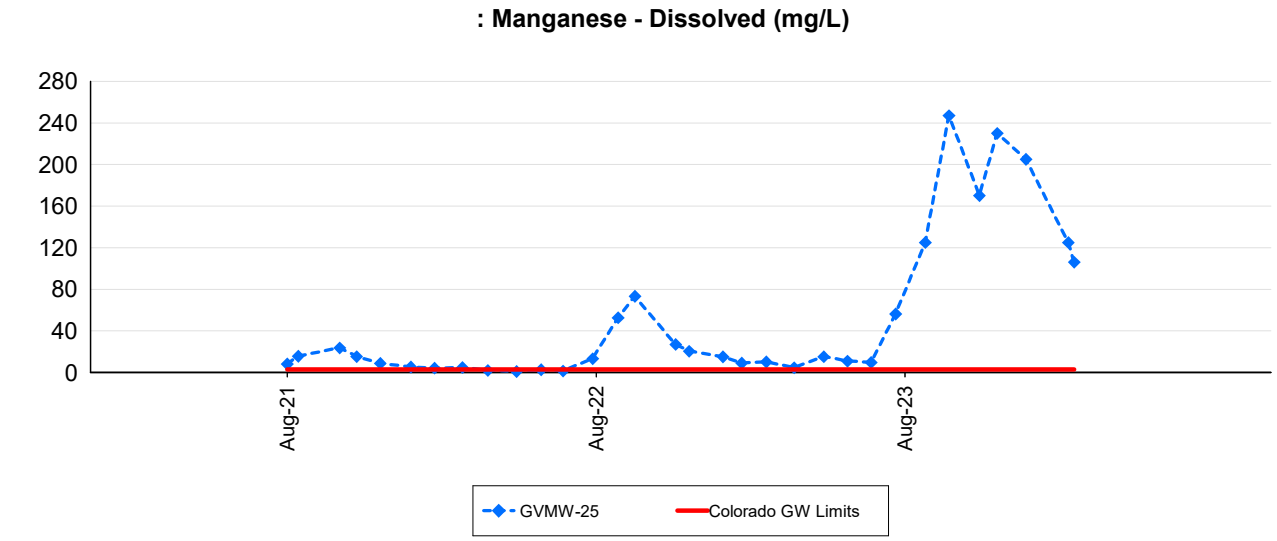


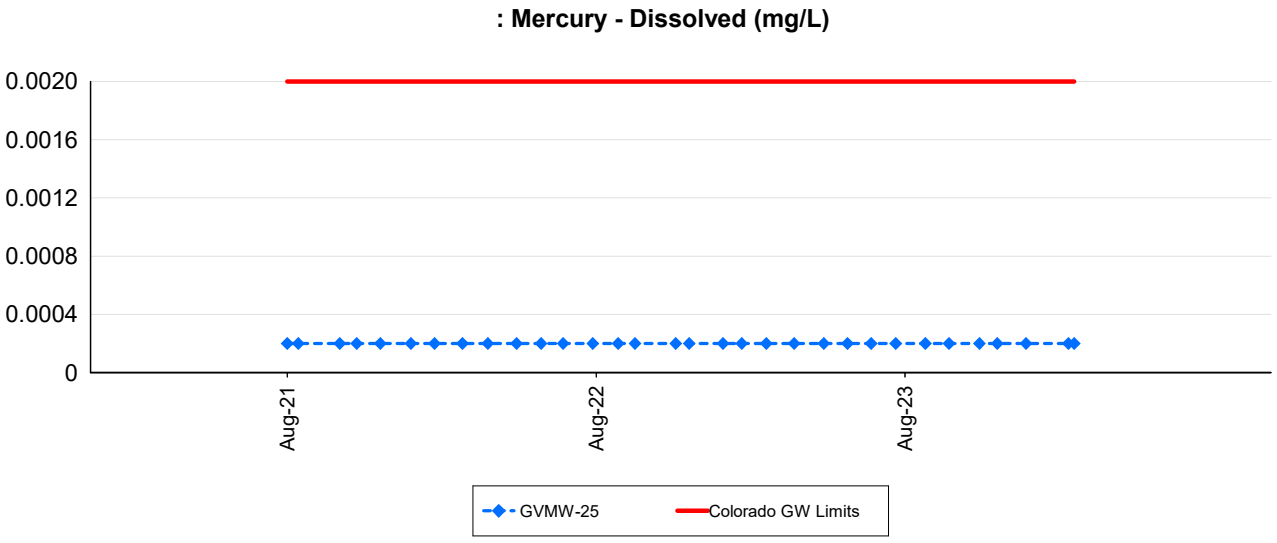


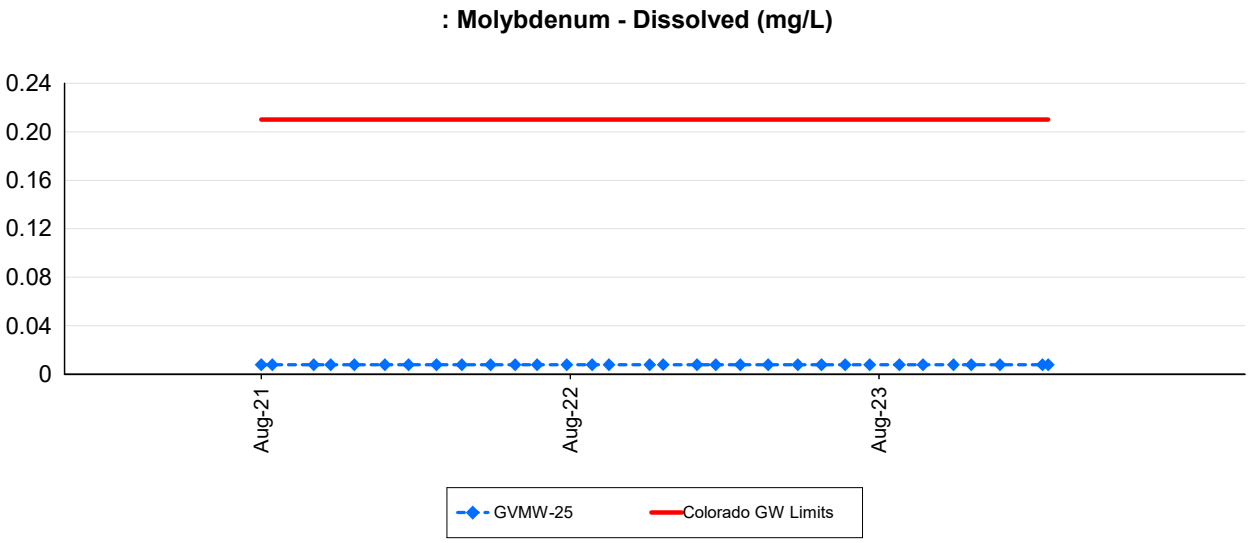


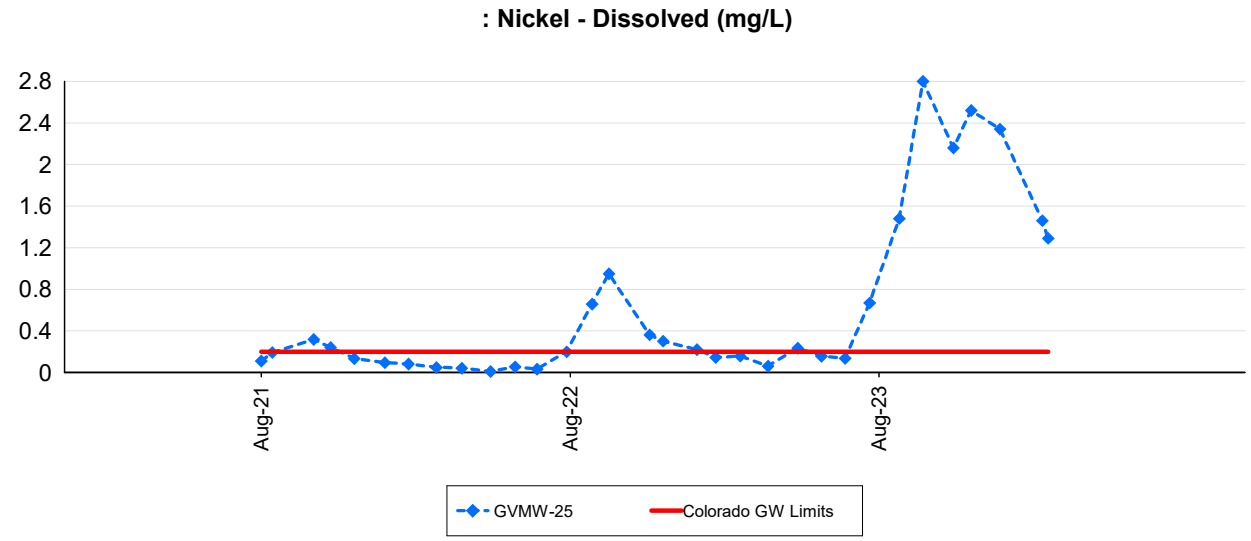


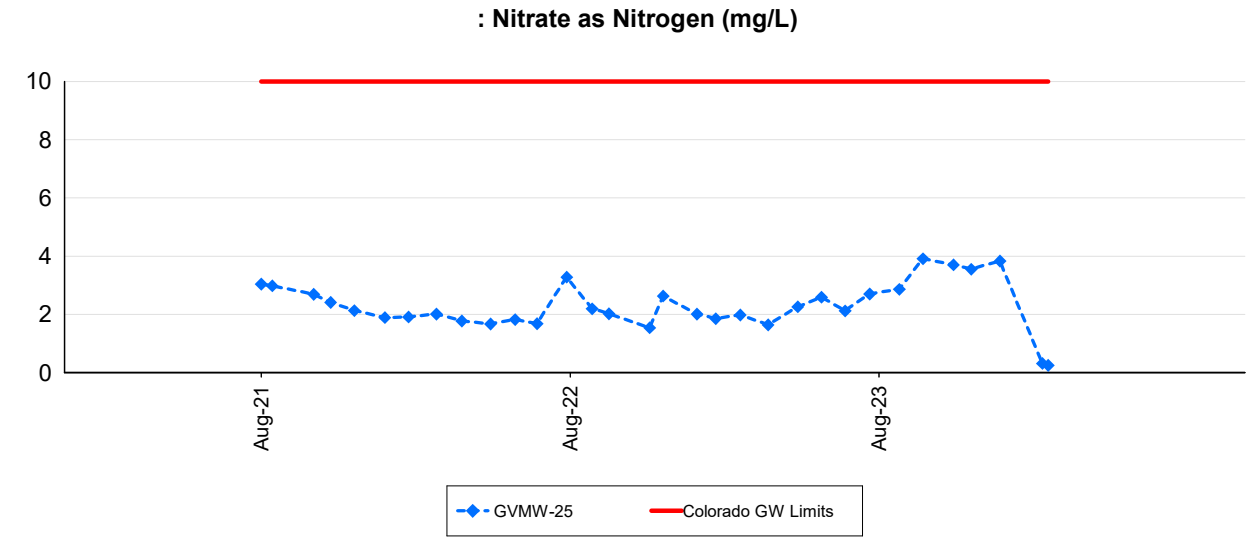




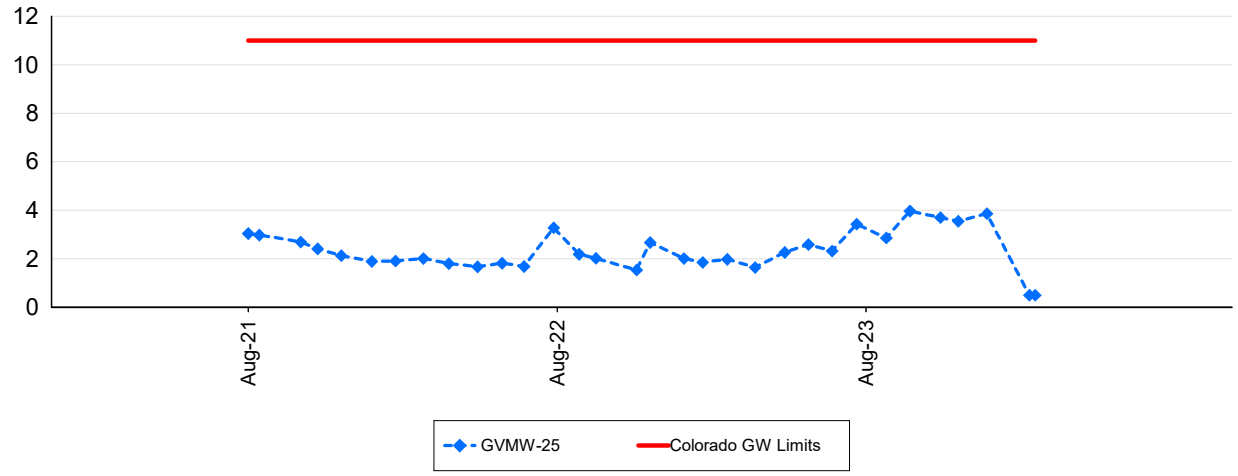




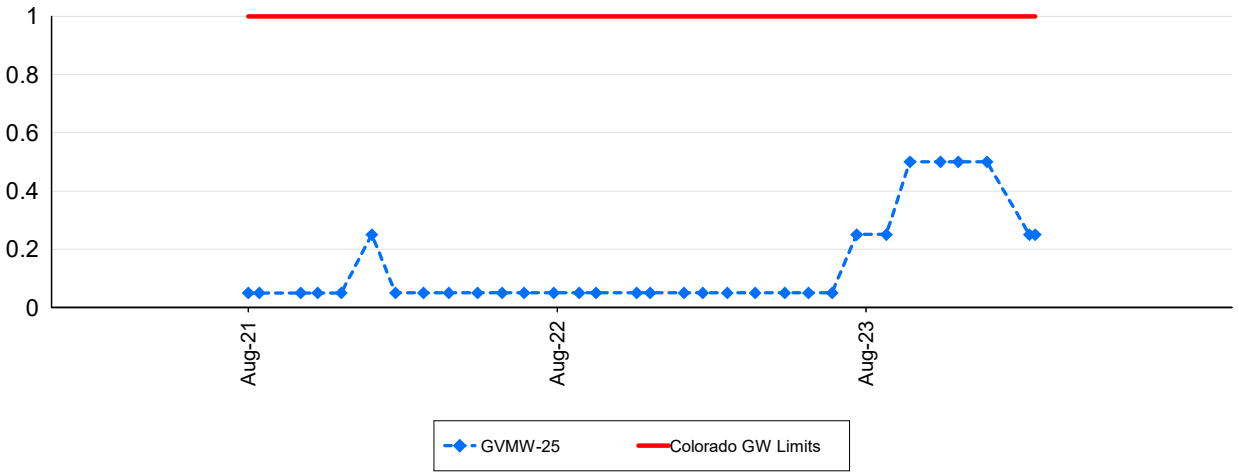




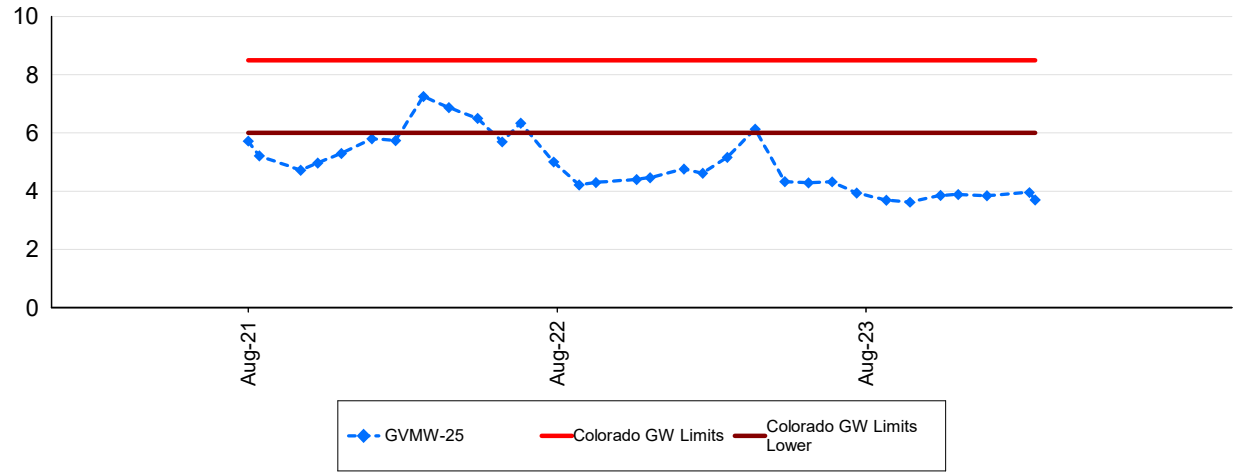
: Nitrite + Nitrate as Nitrogen (mg/L)

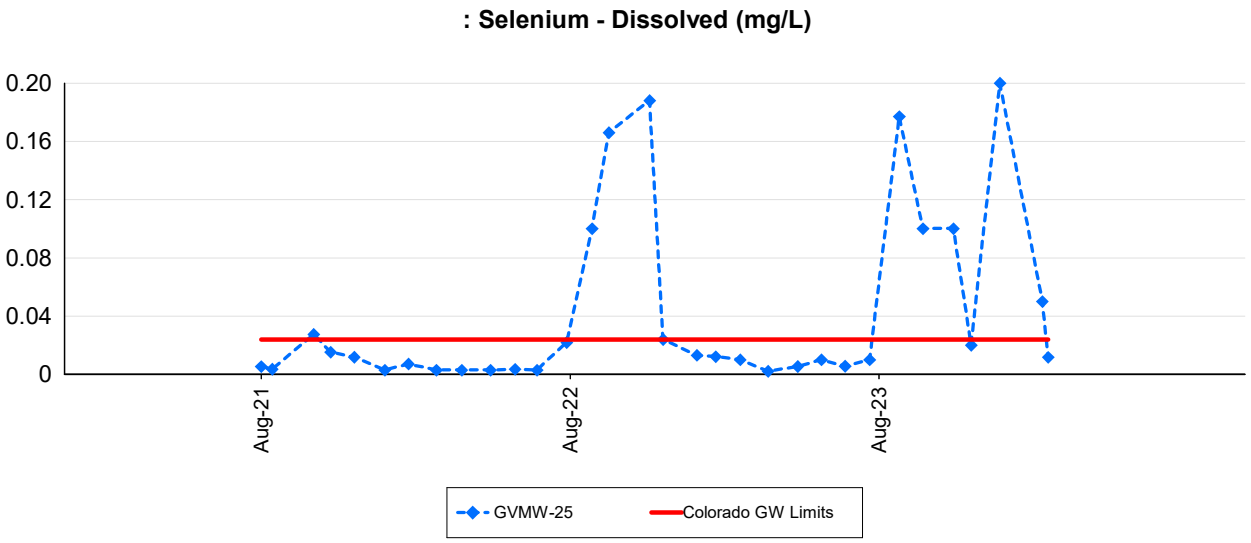


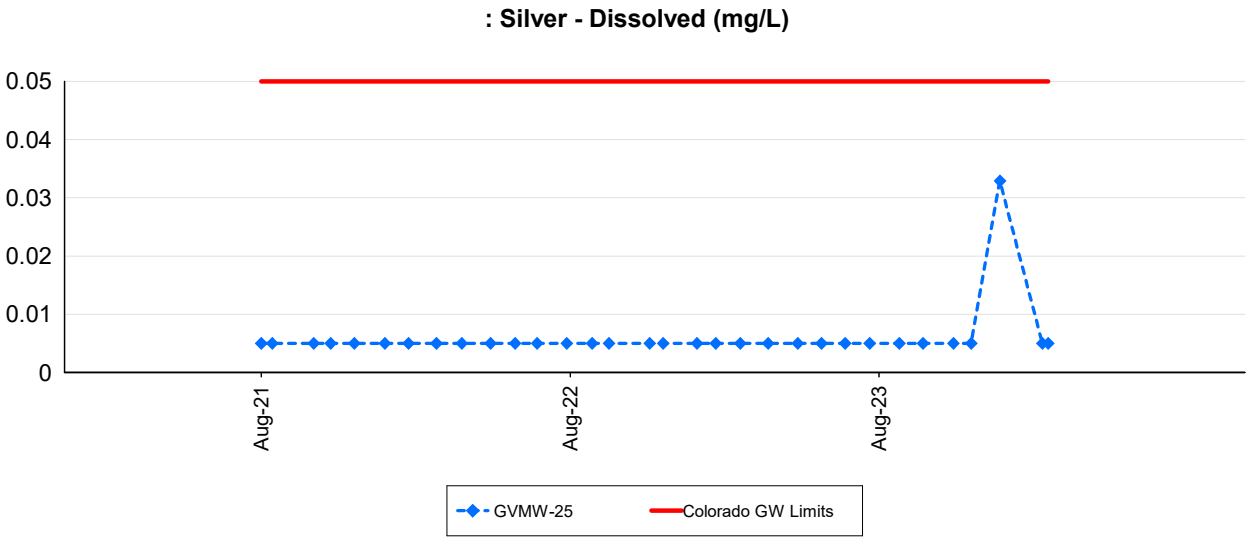
: Nitrite as Nitrogen (mg/L)

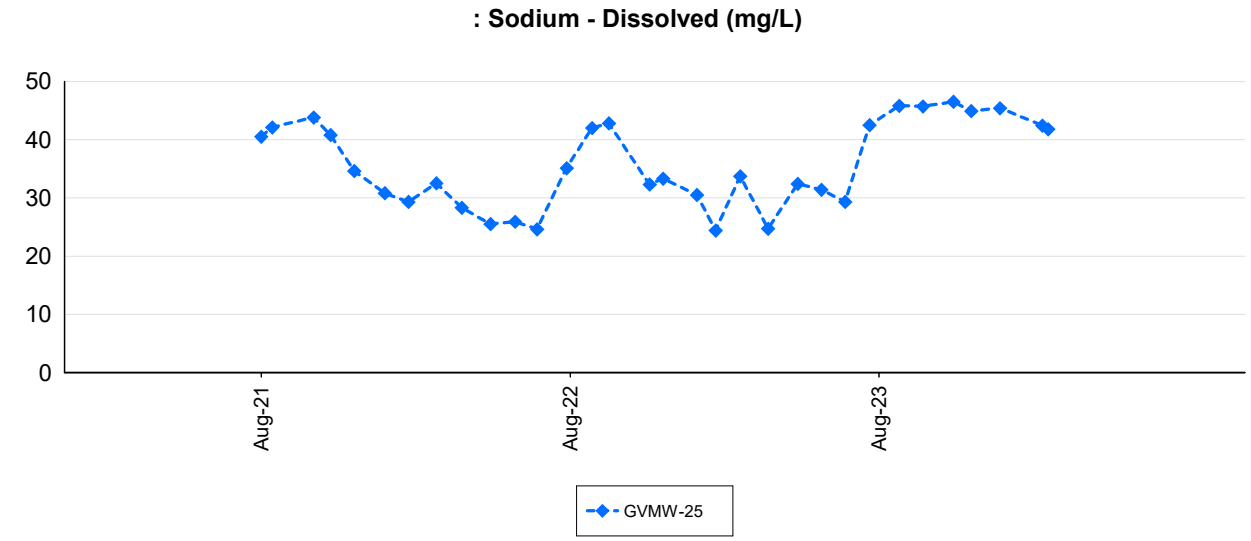


: pH Field (pH unit)

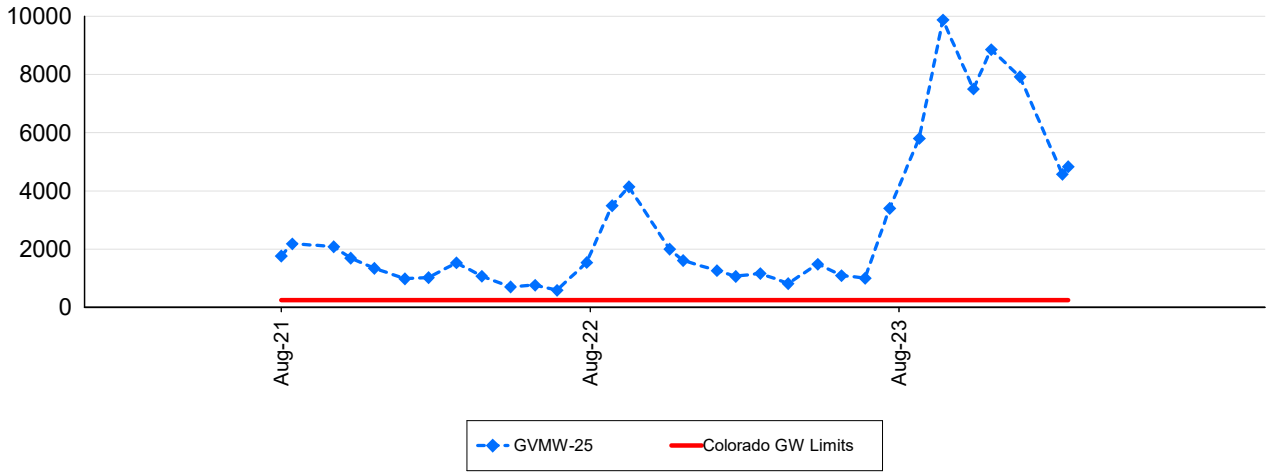




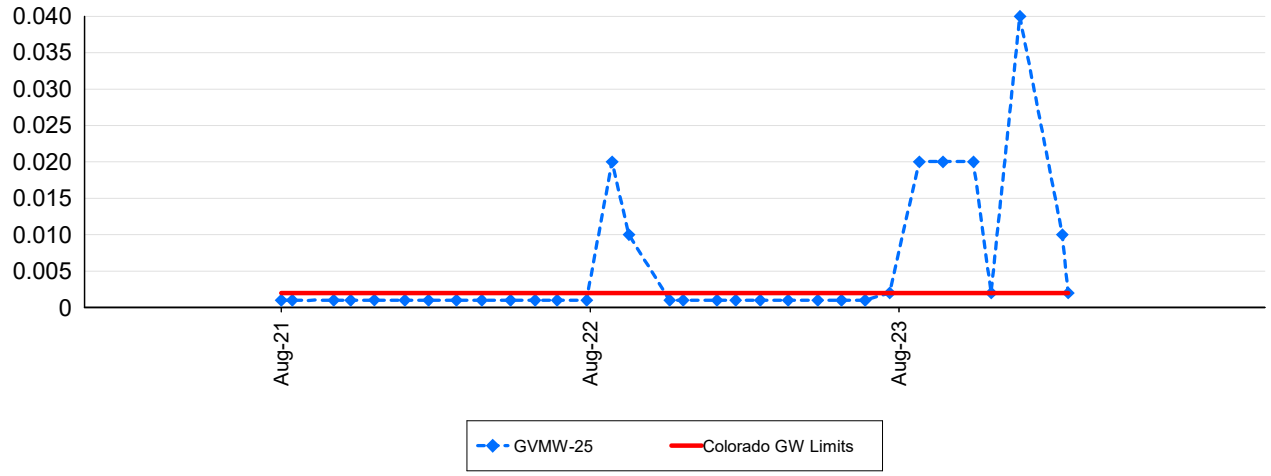




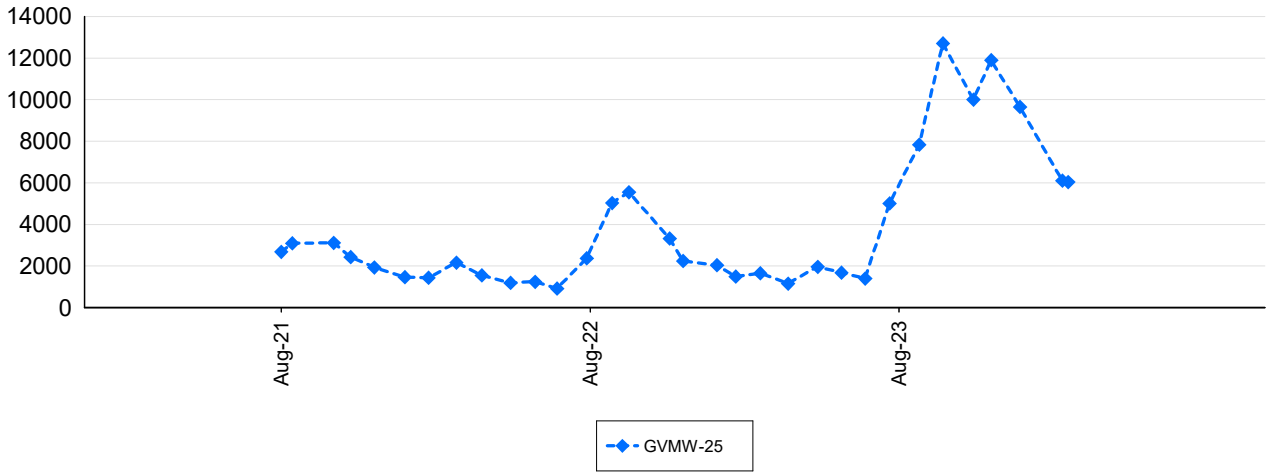
: Sulfate - Total (mg/L)



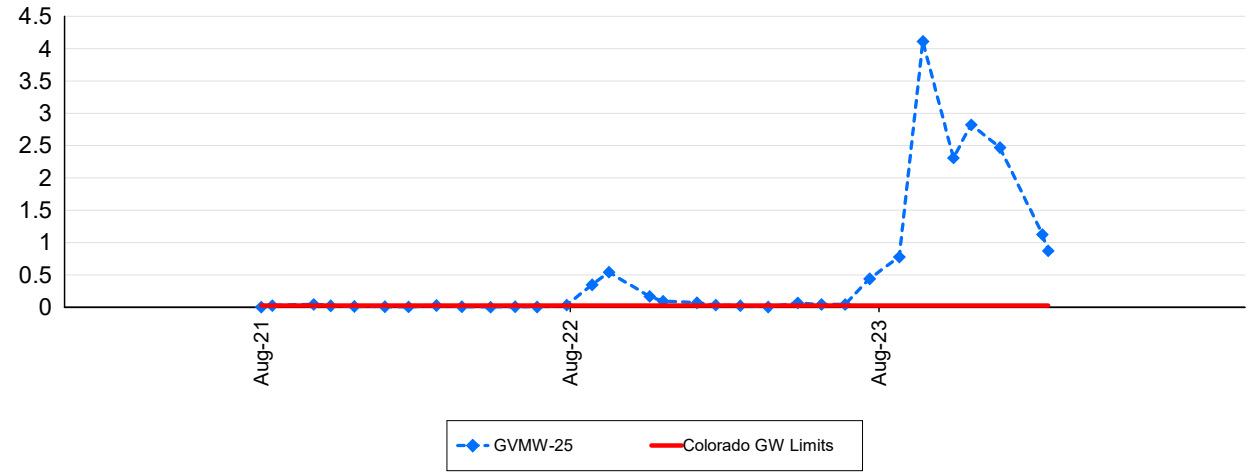
: Thallium - Dissolved (mg/L)



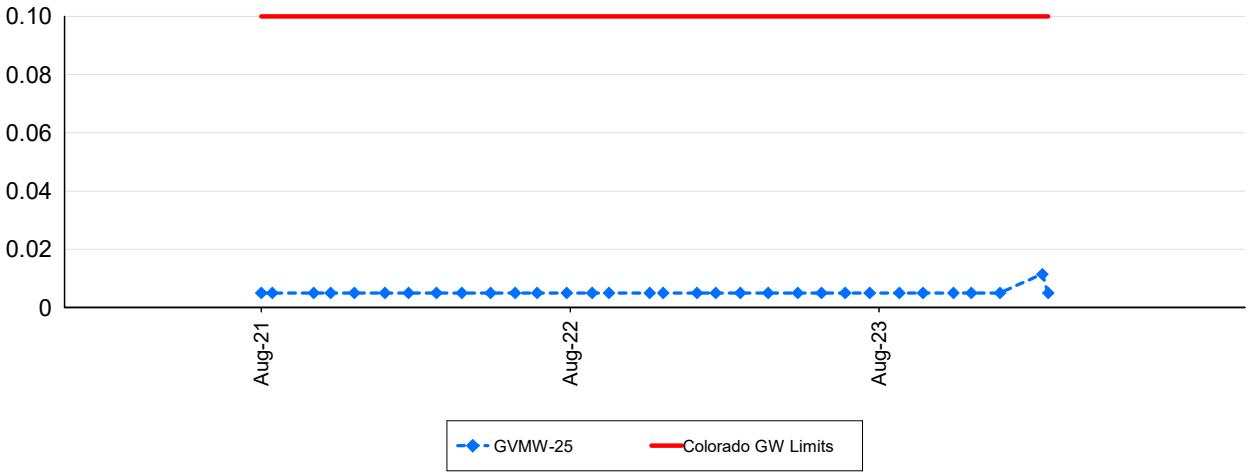
: Total Dissolved Solids (mg/L)



: Uranium - Dissolved (mg/L)



: Vanadium - Dissolved (mg/L)



: Zinc - Dissolved (mg/L)