Newmont
NORTH AMERICA

Cripple Creek & Victor
Gold Mining Company
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February 27, 2025

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 January 2025 Report Submission, February 20, 2025

Dear Mr. Russell,

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

METHODOLOGY

In January 2025, CC&V monitored all accessible and applicable groundwater and surface water locations and collected all possible samples as part of the Grassy Valley monitoring program.

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

During the January monitoring period, CC&V was unable to collect water samples from the following monitoring locations due to the reasons listed below:

- GVMW-15C, GVMW-29, GVMW-31, GVMW-32, OSABH12, OSABH14, and OSABH-18 were dry;
- GVMW-24A had sediment-laden water that caused the pump to overheat and malfunction;
- GVMW-24B, GVMW-30 and OSABH-16 had insufficient water to sample;
- GVMW-35A was not sampled due to the tubing being frozen;
- EMP-16, EMP-17, EMP-17A, EMP-17C, and EMP-020 were frozen/snow covered; and
- GV-06, GV-4.5, GV-05, GV-02 and GV-03 were frozen/dry with no flowing 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

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and rinsed with deionized water prior to each measurement to prevent cross contamination.

Groundwater Sampling

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

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

Surface Water Sampling

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

QA/QC Samples

CC&V collected three quality assurance/quality control (QA/QC) samples in January 2025 (included in Attachment 1). Two duplicate samples and one rinse blank sample were collected per section 6.0 of the approved QAPP.

RESULTS

Analytical results are compared to applicable standards in Table 2 for groundwater samples. Complete laboratory analytical reports from the January 2025 sampling event are included in Attachment 1 and field-collected data is presented on the sampling logs in Attachment 2.

DISCUSSION

Groundwater

Observed groundwater quality data indicate a recurring trend in which peak constituent concentrations occur around October, followed by a decline through the following fall. Over the past two years, a rebound in constituent concentrations has been observed in December after a decline in November. This rebound is more pronounced in 2024 compared to 2023, suggesting a deviation from previously established trends. Constituent patterns appear to correlate with seasonal precipitation fluctuations, with the recent trend likely influenced by November snowfall, followed by a warming event that increased throughflow into the groundwater system. As expected, given minimal precipitation in December and persistently cold temperatures in January, overall constituent concentrations decreased in January 2025 relative to December 2024

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Trend graphs for various constituents at the GVMW-25 monitoring location are provided in Attachment 3. Overall, results indicate an increasing trend in concentrations compared to December 2024. However, concentrations of aluminum, arsenic, beryllium, cadmium, chromium, cobalt, copper, fluoride, lead, manganese, nickel, nitrate, sulfate, uranium, and zinc decreased relative to December 2024. All other constituents remained consistent with the previous month's data. Additionally, ammonia, boron, cyanide, mercury, molybdenum, silver, thallium, and vanadium were not detected in the January 2025 samples.

Water quality at the GVMW-15B and OSABH-17 monitoring locations is consistent with previously recorded results. Shallow groundwater at these locations appears to be impacted by seepage and constituent concentrations fluctuate seasonally similar to GVMW-25.

Other notable results include:

- Elevated fluoride concentrations at the GVMW-8A, GVMW-8B, GVMW-22A, GVMW-26A locations;
- Elevated sulfate and uranium concentrations at the GVMW-10 location; and
- Elevated iron concentrations in GVMW-15A;

The results observed in these monitoring wells are consistent with previous observations.

Due to suspected casing issues, the low-flow sampling procedure could not be followed precisely for GVMW-4A and GVMW-15A, but substantial effort was made to follow the procedure as closely as possible. CC&V elected to collect the sample from this well despite the deviation from the procedure to provide more data on the water quality at this historic well location.

Analytical results from the point-of-compliance wells (GVMW-26A and GVMW-26B) comply with all applicable standards, except for slightly elevated fluoride concentrations at GVMW-26A.

Newly Constructed Monitoring Wells

During the January 2025 monitoring event, samples were collected from the newly installed monitoring wells in Grassy Valley. Table 2 compares water quality data for these wells against existing NPLs and TVS. Baseline conditions have not yet been established.

Seepage appears to be affecting water quality at GVMW-27, GVMW-28, GVMW-33, GVMW-34, and GVMW-36. Other notable results include:

- Elevated nitrate and sulfate at the GVMW-35B location; and
- Elevated pH at the GVMW-37A location.

Surface water

Flowing water was not observed at any of the surface water monitoring locations during the January 2025 sampling event and therefore, no samples were collected.

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Stormwater Detention Ponds

All EMP's were frozen and/or dry during the January 2025 monitoring period and therefore no samples were collected.

Should you require further information, please do not hesitate to contact Joshua Adams at P: 719.323.0438 or Joshua.Adams@Newmont.com or myself at P: 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
E. Russell
Z. Trujillo
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\2025|January\Final"*

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Figures

LEGEND

- MONITORING WELL
- PERMIT BOUNDARY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Newmont
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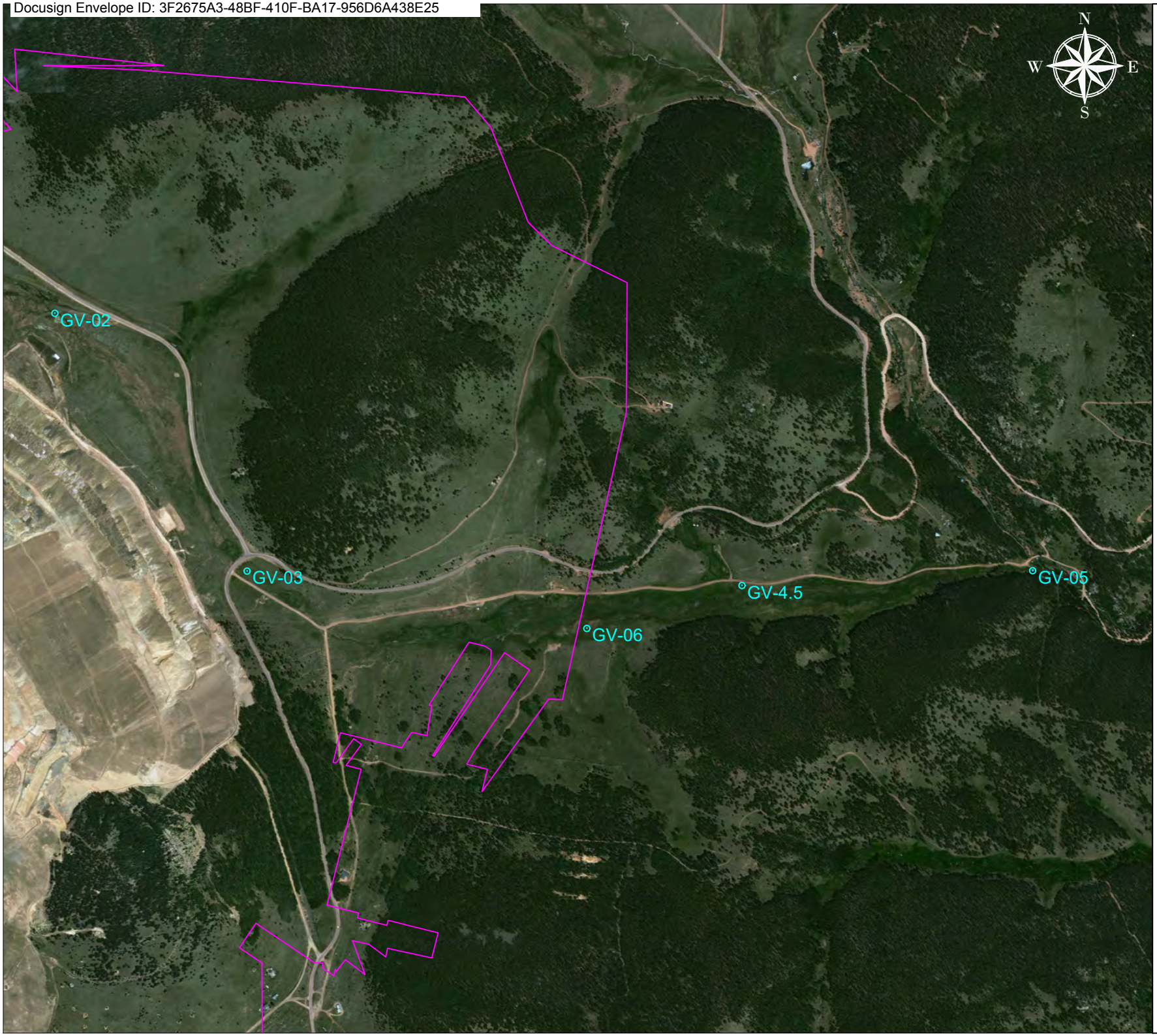
Drawing Name

GRASSY VALLEY
MONITORING WELLS

Project	Sheet
GRASSY VALLEY CAPP	G1
Date: 10/8/2024	

Scale: 0 500 1000 Feet



LEGEND

- SURFACE WATER LOCATION
- PERMIT BOUNDARY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Newmont
CRIPPLE CREEK & VICTOR

Drawing Name

GRASSY VALLEY
SURFACE WATER MONITORING

Project	Sheet
GRASSY VALLEY CAPP	G2
Date: 10/8/2024	

Scale: 0 700 1400 Feet

LEGEND

- EMP
- PERMIT BOUNDARY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Newmont™
CRIPPLE CREEK & VICTOR

Drawing Name

GRASSY VALLEY
EMP MONITORING

Project	Sheet
GRASSY VALLEY CAPP	G3
Date: 10/8/2024	

Scale: 0 300 600 Feet

LEGEND

- SEEP LOCATION
- PERMIT BOUNDARY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Newmont
CRIPPLE CREEK & VICTOR

Drawing Name

GRASSY VALLEY
ECOSA SEEP MONITORING

Project	Sheet
GRASSY VALLEY CAPP	G4
Date: 10/8/2024	

Scale: 200 400 Feet

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Tables

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

Monitoring Location	Date Monitored	Status
GVMW-4A	1/14/2025	Sampled
GVMW-7A	1/13/2025	Sampled
GVMW-7B	1/15/2025	Sampled
GVMW-8A	1/15/2025	Sampled
GVMW-8B	1/27/2025	Sampled
GVMW-10	1/27/2025	Sampled
GVMW-15A	1/27/2025	Sampled
GVMW-15B	12/12/2024	Sampled
GVMW-15C	1/27/2025	Dry at 419' BTOC
GVMW-22A	1/7/2025	Sampled
GVMW-22B	1/7/2025	Sampled
GVMW-24A	1/16/2025	Not sampled due to sediment laden water causing the pump to overheat; unable to pump well
GVMW-24B	1/16/2025	NS-IW
GVMW-25	1/28/2025	Sampled
GMVW-26A	1/16/2025	Sampled
GVMW-26B	1/16/2025	Sampled
GVMW-27	1/28/2025	Sampled
GVMW-28	1/28/2025	Sampled
GVMW-29	1/21/2025	Dry at 38.38' BTOC
GVMW-30	1/21/2025	NS-IW
GVMW-31	1/21/2025	Dry at 61.82' BTOC
GVMW-32	1/21/2025	Dry at 67.32' BTOC
GVMW-33	1/22/2025	Sampled
GVMW-34	1/22/2025	Sampled
GVMW-35A	1/22/2025	Not sampled, well/tubing frozen
GVMW-35B	1/29/2025	Sampled
GVMW-36	1/29/2025	Sampled
GVMW-37A	1/14/2025	Sampled
GVMW-37B	1/14/2025	Sampled
OSABH-12	1/7/2025	Dry at 39' bgs
OSABH-14	1/15/2025	Dry at 29' bgs
OSABH-16	1/27/2025	NS-IW
OSABH-17	1/27/2025	Sampled
OSABH-18	1/27/2025	Dry at 52' BTOC
Ecosa Seep-1	1/13/2025	Not sampled; location frozen
Ecosa Seep-2	1/13/2025	Not sampled; location frozen
GV-02	1/14/2025	Not sampled; location frozen
GV-03	1/14/2025	Not sampled; location frozen
GV-06	1/14/2025	Not sampled; location frozen
GV-4.5	1/14/2025	Not sampled; location frozen
GV-05	1/14/2025	Not sampled; location frozen
EMP-016	1/13/2025	Not sampled; location frozen/snow covered
EMP-017	1/13/2025	Not sampled; location frozen/snow covered
EMP-017A	1/13/2025	Not sampled; location frozen/snow covered
EMP-17B	1/13/2025	Not sampled; location frozen/snow covered
EMP-17C	1/13/2025	Not sampled; location frozen/snow covered
EMP-020	1/13/2025	Not sampled; location frozen/snow covered

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 - January 2025
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-10	GVMW-15A	GVMW-15B	GVMW-22A	GVMW-22B	GVMW-25	GMVW-26A	GVMW-26B
				Sample Date	1/14/2025	1/7/2025	1/13/2025	1/15/2025	1/13/2025	1/27/2025	1/27/2025	1/27/2025	1/7/2025	1/7/2025	1/28/2025	1/16/2025	1/16/2025
Aluminum - Dissolved	5	**7**	mg/L		<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	0.348	<0.080	<0.080	**408**	0.083	<0.080
Ammonia	NA	NA	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030	0.045	0.058	0.12	<0.030	<0.030	<0.030	<0.030	<0.030
Antimony - Dissolved	**0.006**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00115	<0.00100	<0.00100
Arsenic - Dissolved	**0.01**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00500	<0.00200	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.0834**	<0.0250	<0.0250
Barium - Dissolved	**2**	NA	mg/L		0.165	0.185	0.026	<0.0020	0.0042	0.0173	0.0588	0.0186	0.104	0.0504	0.0181	0.185	0.109
Beryllium - Dissolved	**0.004**	NA	mg/L		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.029**	<0.00200	<0.00200	**0.301**	<0.00200	<0.00200
Boron - Total	**0.75**	NA	mg/L		<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400
Cadmium - Dissolved	**0.005**	**0.005**	mg/L		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	**0.852**	<0.0020	<0.0020
Chloride - Total	**250**	NA	mg/L		5.07	17.2	13.4	56.8	38.5	5.4	1.64	1.48	4.43	7.36	19.3	1.5	2.03
Chromium - Dissolved	**0.1**	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0324	<0.0060	<0.0060
Cobalt - Dissolved	**0.05**	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0324	**0.0646**	<0.0060	<0.0060	**0.957**	<0.0060	<0.0060
Copper - Dissolved	**0.2**	**0.2**	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	0.0137	0.0106	<0.0100	<0.0100	<0.0100	<0.0100	**1.48**	<0.0100	<0.0100
Cyanide - Free	**0.2**	NA	mg/L		<0.0050	0.005	<0.0050	<0.0050	0.005	<0.0050	0.005	0.005	0.0051	0.005	<0.0050	<0.0050	0.0052
Cyanide - Total	NA	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
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	<0.0050
Fluoride - Total F	**2**	**2**	mg/L		0.154	0.875	0.368	**2.16**	**2.23**	1.25	0.349	0.408	**2.22**	0.422	**17.2**	**2.07**	0.277
Iron - Dissolved	0.3	**14**	mg/L		7.94	1.25	<0.100	<0.100	<0.100	<0.100	**33.3**	**24.1**	<0.100	<0.100	3.1	<0.100	<0.100
Lead - Dissolved	**0.05**	NA	mg/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	**0.054**	<0.0075	<0.0075	0.0147	<0.0075	<0.0075
Lithium - Dissolved	**2.5**	NA	mg/L		<0.040	<0.040	<0.040	<0.040	<0.040	0.099	<0.040	<0.040	<0.040	<0.040	0.256	<0.040	<0.040
Manganese - Dissolved	0.05	**3**	mg/L		2	0.23	<0.0080	<0.0080	<0.0080	1.61	2.05	1.43	0.0678	0.0201	**121**	<0.0080	<0.0080
Mercury - Dissolved	**0.002**	**0.002**	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Molybdenum - Dissolved	**0.21**	NA	mg/L		<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0339	<0.0080	<0.0080	0.0096	<0.0080	<0.0080	<0.0080	<0.0080
Nickel - Dissolved	**0.1**	NA	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0111	0.0642	**0.117**	<0.0100	<0.0100	**1.49**	<0.0100	<0.0100
Nitrate as Nitrogen	**10**	**10**	mg/L		<0.050	<0.050	0.829	1.07	2.27	<0.050	0.056	<0.050	<0.050	0.354	2.87	<0.050	0.689
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		<0.100	<0.100	0.839	1.08	2.27	<0.100	<0.100	<0.100	<0.100	0.36	2.87	<0.100	0.702
Nitrite as Nitrogen	**1**	**1**	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.250	<0.050	<0.050
pH Field	6.5-8.5	**6.0-8.5**	pH units		6.5	7.45	6.4	6.85	6.69	6.73	6.41	**5.17**	7.88	6.75	**3.85**	7.87	6.36
Selenium - Dissolved	0.02	**0.024**	mg/L		<0.00100	<0.00100	<0.00100	<0.00500	<0.00200	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00747	<0.0250	<0.0250
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	<0.0050
Sodium - Dissolved	NA	NA	mg/L		9.74	10.4	11.2	25.1	24.7	39.3	15.5	14.1	36	22.9	40	31.8	10.5
Sulfate - Total	**250**	NA	mg/L		65.5	25.1	86.5	62.7	96.7	**1,410**	184	**261**	36	96.6	**4,150**	15.9	21.4
Thallium - Dissolved	**0.002**	NA	mg/L		<0.000200	<0.000200	<0.000200	<0.00100	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Total Dissolved Solids	NA	NA	mg/L		193	242	214	250	275	2,300	301	429	229	247	5,210	200	82
Uranium - Dissolved	**0.03**	NA	mg/L		<0.000100	0.00545	0.000246	0.00455	0.00242	**0.0352**	<0.000100	0.00258	0.00341	0.0013	**1.37**	0.00319	0.000162
Vanadium - Dissolved	**0.1**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zinc - Dissolved	**2**	**2**	mg/L		0.0148	<0.0100	<0.0100	<0.0100	<0.0100	0.15	0.331	1.25	<0.0100	0.0102	**30.3**	<0.0100	<0.0100

Notes:

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

Table 2
Grassy Valley Monthly Groundwater Analytical Results - Janaury 2025
Cripple Creek and Victor Gold Mining Company

ANALYTE	Reg 41 TVS	Site Wide NPL	UNIT	Well I.D.	GVMW-27	GVMW-28	GVMW-33	GVMW-34	GVMW-35B	GVMW-36	GVMW-37A	GVMW-37B	OSABH-17
				Sample Date	1/28/2025	1/28/2025	1/22/2025	1/22/2025	1/29/2025	1/29/2025	1/14/2025	1/14/2025	1/27/2025
Aluminum - Dissolved	5	**7**	mg/L		**179**	**1,730**	**646**	**17.7**	<0.080	**1,080**	<0.080	<0.080	**4,460**
Ammonia	NA	NA	mg/L		<0.030	<0.030	0.285	<0.030	0.051	0.183	<0.030	<0.030	0.1
Antimony - Dissolved	**0.006**	NA	mg/L		<0.00100	<0.00500	<0.00100	<0.00100	<0.00100	<0.00100	0.00152	<0.00100	<0.100
Arsenic - Dissolved	**0.01**	NA	mg/L		**0.0358**	**0.375**	**0.296**	0.00	<0.00100	**0.0775**	<0.00500	<0.00100	<0.400
Barium - Dissolved	**2**	NA	mg/L		0.0136	<0.0100	0.0225	0.0356	0.0142	0.0135	0.0803	0.0776	<0.0200
Beryllium - Dissolved	**0.004**	NA	mg/L		**0.141**	**0.909**	**0.668**	**0.0175**	<0.00200	**0.253**	<0.00200	<0.00200	**0.766**
Boron - Total	**0.75**	NA	mg/L		<0.0400	<0.200	<0.0400	0.0465	<0.0400	<0.0400	<0.0400	<0.0400	<0.400
Cadmium - Dissolved	**0.005**	**0.005**	mg/L		**0.416**	**3.45**	**1.45**	**0.0797**	<0.0020	**2.31**	<0.0020	<0.0020	**10.1**
Chloride - Total	**250**	NA	mg/L		29.5	5.09	6.23	28.7	87.1	11.6	3.81	4.05	16.4
Chromium - Dissolved	**0.1**	NA	mg/L		0.0092	**0.376**	0.047	<0.0060	<0.0060	**0.307**	<0.0060	<0.0060	**1.07**
Cobalt - Dissolved	**0.05**	NA	mg/L		**0.359**	**3.39**	**1.06**	**0.0617**	<0.0060	**5.17**	<0.0060	<0.0060	**21.5**
Copper - Dissolved	**0.2**	**0.2**	mg/L		**0.455**	**8.78**	**1.87**	<0.0100	<0.0100	**5.11**	<0.0100	<0.0100	**18.6**
Cyanide - Free	**0.2**	NA	mg/L		<0.0050	<0.0050	<0.0050	0.005	<0.0050	<0.0050	0.005	0.005	0.05
Cyanide - Total	NA	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0058	<0.0050	<0.0050	0.0442
Cyanide - WAD	NA	**0.2**	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.100
Fluoride - Total F	**2**	**2**	mg/L		**33.8**	**236**	**94.8**	**32.2**	<0.100	**27.2**	1.45	1.96	**705**
Iron - Dissolved	0.3	**14**	mg/L		0.673	**189**	9.82	<0.100	<0.100	**24**	<0.100	<0.100	**259**
Lead - Dissolved	**0.05**	NA	mg/L		0.0082	<0.0375	0.038	<0.0075	<0.0075	**0.113**	<0.0075	<0.0075	**0.118**
Lithium - Dissolved	**2.5**	NA	mg/L		0.145	0.68	0.373	0.338	<0.040	0.349	<0.040	<0.040	2.06
Manganese - Dissolved	0.05	**3**	mg/L		**67.1**	**467**	**246**	**83.1**	0.733	**263**	0.129	0.0549	**1,660**
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
Molybdenum - Dissolved	**0.21**	NA	mg/L		<0.0080	<0.0400	<0.0080	<0.0080	0.011	0.019	0.0189	<0.0080	<0.0800
Nickel - Dissolved	**0.1**	NA	mg/L		**0.683**	**4.91**	**2.09**	**0.413**	<0.0100	**4.44**	<0.0100	<0.0100	**16.7**
Nitrate as Nitrogen	**10**	**10**	mg/L		1.63	4.49	4.54	**10.8**	**11.5**	2.57	<0.050	1.08	3.84
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		1.65	4.49	4.56	10.8	**11.6**	2.68	<0.100	1.11	<5.00
Nitrite as Nitrogen	**1**	**1**	mg/L		<0.050	<0.500	<0.050	<0.050	<0.050	<0.500	<0.050	<0.050	<2.50
pH Field	6.5-8.5	**6.0-8.5**	pH units		**4.25**	**3.03**	**3.62**	**5.7**	8.04	**3.22**	**8.79**	7.75	**3**
Selenium - Dissolved	0.02	**0.024**	mg/L		0.00358	**0.0289**	0.0214	0.0162	0.00408	0.0183	<0.00500	0.00155	<0.400
Silver - Dissolved	**0.05**	NA	mg/L		<0.0050	<0.0250	0.0117	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500
Sodium - Dissolved	NA	NA	mg/L		39.6	36.1	126	48.6	15.6	62.7	36.7	31.3	12.4
Sulfate - Total	**250**	NA	mg/L		**2,720**	**15,300**	**6,830**	**2,860**	**1,270**	**10,800**	198	113	**38,200**
Thallium - Dissolved	**0.002**	NA	mg/L		<0.000200	<0.00100	<0.000200	<0.000200	<0.000200	0.000314	<0.00100	<0.000200	<0.0200
Total Dissolved Solids	NA	NA	mg/L		3,720	19,100	9,220	4,050	1,890	13,800	370	288	50,700
Uranium - Dissolved	**0.03**	NA	mg/L		**0.583**	**6.12**	**1.97**	**0.0409**	0.00498	**5.05**	0.00348	0.00262	**14.9**
Vanadium - Dissolved	**0.1**	NA	mg/L		<0.0050	0.0272	0.012	<0.0050	<0.0050	0.0051	<0.0050	<0.0050	<0.0500
Zinc - Dissolved	**2**	**2**	mg/L		**15.6**	**135**	**33.6**	**9.26**	<0.0100	**104**	<0.0100	<0.0100	**346**

Notes:

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

Newmont
NORTH AMERICA

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

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newmont.com

Attachment 1

Laboratory Analytical Reports

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: **X5A0108**
Victor, CO 80860	Reported: 27-Jan-25 16:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-22A	X5A0108-01	Ground Water	07-Jan-25 11:30	TC	13-Jan-2025	
GVMW-22B	X5A0108-02	Ground Water	07-Jan-25 09:45	TC	13-Jan-2025	
GVMW-7A	X5A0108-03	Ground Water	07-Jan-25 12:55	TC	13-Jan-2025	

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: X5A0108

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X5A0108-01 (Ground Water)**

Sampled: 07-Jan-25 11:30
Received: 13-Jan-25
Sampled By: TC

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**	28.4	mg/L	0.100	0.069		X503032	SJN	01/15/25 12:18	
EPA 200.7	**Magnesium**	11.7	mg/L	0.500	0.090		X503032	SJN	01/15/25 12:18	
EPA 200.7	**Potassium**	1.14	mg/L	0.50	0.18		X503032	SJN	01/15/25 12:18	
SM 2340 B	**Hardness (as CaCO3)**	123	mg/L	2.31	0.543		N/A		01/15/25 12:18	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504030	NMS	01/22/25 09:29	
EPA 200.7	**Barium**	0.104	mg/L	0.0020	0.0019		X504030	NMS	01/22/25 09:29	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504030	NMS	01/22/25 09:29	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504030	NMS	01/22/25 09:29	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504030	NMS	01/22/25 09:29	
EPA 200.7	**Calcium**	30.9	mg/L	0.100	0.069		X504030	NMS	01/22/25 09:29	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504030	NMS	01/22/25 09:29	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504030	NMS	01/22/25 09:29	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504030	NMS	01/22/25 09:29	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504030	NMS	01/22/25 09:29	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504030	NMS	01/22/25 09:29	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504030	NMS	01/22/25 09:29	
EPA 200.7	**Magnesium**	12.6	mg/L	0.500	0.090		X504030	NMS	01/22/25 09:29	
EPA 200.7	**Manganese**	0.0678	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 09:29	
EPA 200.7	**Molybdenum**	0.0096	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 09:29	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504030	NMS	01/22/25 09:29	
EPA 200.7	**Potassium**	1.10	mg/L	0.50	0.18		X504030	NMS	01/22/25 09:29	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 09:29	
EPA 200.7	**Sodium**	36.0	mg/L	0.50	0.12		X504030	NMS	01/22/25 09:29	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 09:29	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504030	NMS	01/22/25 09:29	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X503155	JRR	01/24/25 09:00	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X503155	JRR	01/24/25 09:00	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X503155	JRR	01/24/25 09:00	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X503155	JRR	01/24/25 09:00	
EPA 200.8	**Uranium**	0.00341	mg/L	0.000100	0.000052		X503155	JRR	01/24/25 09:00	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X503138	MAC	01/22/25 15:46	
Classical Chemistry Parameters										
ASTM D7237-15A	**Cyanide (free) @ pH 6**	0.0051	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:27	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X503014	DD	01/15/25 11:46	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X503071	JPM	01/16/25 10:03	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X504001	DD	01/19/25 15:24	
SM 2310 B	**Acidity to pH 8.3**	-162	mg/L as CaCO3	10.0			X504016	MWD	01/20/25 10:47	
SM 2320 B	**Total Alkalinity**	163	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:28	
SM 2320 B	**Bicarbonate**	163	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:28	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:28	
SM 2540 C	**Total Diss. Solids**	229	mg/L	10			X503016	TJL	01/15/25 13:55	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X503017	TJL	01/16/25 14:30	
SM 4500 H B	**pH @20.9°C**	7.9	pH Units				X503074	MWD	01/17/25 11:28	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
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Newmont - Cripple Creek & Victor
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X5A0108-01 (Ground Water)**

Sampled: 07-Jan-25 11:30
Received: 13-Jan-25
Sampled By: TC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.43	mg/L	0.20	0.02		X502131	RS	01/14/25 12:36	
EPA 300.0	**Fluoride**	2.22	mg/L	0.100	0.017		X502131	RS	01/14/25 12:36	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X502131	RS	01/14/25 12:36	H3
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X502131	RS	01/14/25 12:36	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X502131	RS	01/14/25 12:36	H3
EPA 300.0	**Sulfate as SO4**	36.0	mg/L	0.30	0.18		X502131	RS	01/14/25 12:36	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.99 meq/L Anion Sum: 4.25 meq/L C/A Balance: -3.16 % Calculated TDS: 219 TDS/cTDS: 1.04

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X5A0108-02 (Ground Water)**

Sampled: 07-Jan-25 09:45
Received: 13-Jan-25
Sampled By: TC

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**	33.9	mg/L	0.100	0.069		X503032	SJN	01/15/25 12:22	
EPA 200.7	**Magnesium**	9.63	mg/L	0.500	0.090		X503032	SJN	01/15/25 12:22	
EPA 200.7	**Potassium**	1.68	mg/L	0.50	0.18		X503032	SJN	01/15/25 12:22	
SM 2340 B	**Hardness (as CaCO3)**	131	mg/L	2.31	0.543		N/A		01/22/25 09:33	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504030	NMS	01/22/25 09:33	
EPA 200.7	**Barium**	0.0504	mg/L	0.0020	0.0019		X504030	NMS	01/22/25 09:33	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504030	NMS	01/22/25 09:33	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504030	NMS	01/22/25 09:33	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504030	NMS	01/22/25 09:33	
EPA 200.7	**Calcium**	36.7	mg/L	0.100	0.069		X504030	NMS	01/22/25 09:33	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504030	NMS	01/22/25 09:33	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504030	NMS	01/22/25 09:33	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504030	NMS	01/22/25 09:33	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504030	NMS	01/22/25 09:33	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504030	NMS	01/22/25 09:33	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504030	NMS	01/22/25 09:33	
EPA 200.7	**Magnesium**	10.5	mg/L	0.500	0.090		X504030	NMS	01/22/25 09:33	
EPA 200.7	**Manganese**	0.0201	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 09:33	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 09:33	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504030	NMS	01/22/25 09:33	
EPA 200.7	**Potassium**	1.59	mg/L	0.50	0.18		X504030	NMS	01/22/25 09:33	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 09:33	
EPA 200.7	**Sodium**	22.9	mg/L	0.50	0.12		X504030	NMS	01/22/25 09:33	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 09:33	
EPA 200.7	**Zinc**	0.0102	mg/L	0.0100	0.0054		X504030	NMS	01/22/25 09:33	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X503155	JRR	01/24/25 09:03	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X503155	JRR	01/24/25 09:03	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X503155	JRR	01/24/25 09:03	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X503155	JRR	01/24/25 09:03	
EPA 200.8	**Uranium**	0.00130	mg/L	0.000100	0.000052		X503155	JRR	01/24/25 09:03	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X503138	MAC	01/22/25 15:48	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:29	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X503014	DD	01/15/25 11:49	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X503071	JPM	01/16/25 10:05	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X504001	DD	01/19/25 15:26	
SM 2310 B	**Acidity to pH 8.3**	-79.0	mg/L as CaCO3	10.0			X504016	MWD	01/20/25 10:47	
SM 2320 B	**Total Alkalinity**	75.6	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:36	
SM 2320 B	**Bicarbonate**	75.6	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:36	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:36	
SM 2540 C	**Total Diss. Solids**	247	mg/L	10			X503016	TJL	01/15/25 13:55	
SM 2540 D	**Total Susp. Solids**	6.0	mg/L	5.0			X503017	TJL	01/16/25 14:30	
SM 4500 H B	**pH @20.3°C**	7.0	pH Units				X503074	MWD	01/17/25 11:36	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X5A0108-02 (Ground Water)**

Sampled: 07-Jan-25 09:45
Received: 13-Jan-25
Sampled By: TC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	7.36	mg/L	0.20	0.02		X502131	RS	01/14/25 14:17	
EPA 300.0	**Fluoride**	0.422	mg/L	0.100	0.017		X502131	RS	01/14/25 14:17	
EPA 300.0	**Nitrate as N**	0.354	mg/L	0.050	0.013		X502131	RS	01/14/25 14:17	H3
EPA 300.0	**Nitrate+Nitrite as N**	0.360	mg/L	0.100	0.044		X502131	RS	01/14/25 14:17	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X502131	RS	01/14/25 14:17	H3
EPA 300.0	**Sulfate as SO4**	96.6	mg/L	3.00	1.80	10	X502131	RS	01/14/25 14:33	M4
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.54 meq/L Anion Sum: 3.78 meq/L C/A Balance: -3.31 % Calculated TDS: 221 TDS/cTDS: 1.12

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X5A0108-03 (Ground Water)**

Sampled: 07-Jan-25 12:55
Received: 13-Jan-25
Sampled By: TC

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**	43.7	mg/L	0.100	0.069		X503032	SJN	01/15/25 12:26	
EPA 200.7	**Magnesium**	19.8	mg/L	0.500	0.090		X503032	SJN	01/15/25 12:26	
EPA 200.7	**Potassium**	1.03	mg/L	0.50	0.18		X503032	SJN	01/15/25 12:26	
SM 2340 B	**Hardness (as CaCO3)**	199	mg/L	2.31	0.543		N/A		01/15/25 12:26	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504030	NMS	01/22/25 09:37	
EPA 200.7	**Barium**	0.185	mg/L	0.0020	0.0019		X504030	NMS	01/22/25 09:37	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504030	NMS	01/22/25 09:37	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504030	NMS	01/22/25 09:37	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504030	NMS	01/22/25 09:37	
EPA 200.7	**Calcium**	46.6	mg/L	0.100	0.069		X504030	NMS	01/22/25 09:37	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504030	NMS	01/22/25 09:37	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504030	NMS	01/22/25 09:37	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504030	NMS	01/22/25 09:37	
EPA 200.7	**Iron**	1.25	mg/L	0.100	0.056		X504030	NMS	01/22/25 09:37	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504030	NMS	01/22/25 09:37	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504030	NMS	01/22/25 09:37	
EPA 200.7	**Magnesium**	21.7	mg/L	0.500	0.090		X504030	NMS	01/22/25 09:37	
EPA 200.7	**Manganese**	0.230	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 09:37	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 09:37	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504030	NMS	01/22/25 09:37	
EPA 200.7	**Potassium**	0.92	mg/L	0.50	0.18		X504030	NMS	01/22/25 09:37	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 09:37	
EPA 200.7	**Sodium**	10.4	mg/L	0.50	0.12		X504030	NMS	01/22/25 09:37	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 09:37	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504030	NMS	01/22/25 09:37	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X503155	JRR	01/24/25 09:06	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X503155	JRR	01/24/25 09:06	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X503155	JRR	01/24/25 09:06	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X503155	JRR	01/24/25 09:06	
EPA 200.8	**Uranium**	0.00545	mg/L	0.000100	0.000052		X503155	JRR	01/24/25 09:06	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X503138	MAC	01/22/25 15:54	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:31	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X503014	DD	01/15/25 12:01	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X503071	JPM	01/16/25 10:07	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X504001	DD	01/19/25 15:28	
SM 2310 B	**Acidity to pH 8.3**	-181	mg/L as CaCO3	10.0			X504016	MWD	01/20/25 10:47	
SM 2320 B	**Total Alkalinity**	181	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:42	
SM 2320 B	**Bicarbonate**	181	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:42	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:42	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503074	MWD	01/17/25 11:42	
SM 2540 C	**Total Diss. Solids**	242	mg/L	10			X503016	TJL	01/15/25 13:55	
SM 2540 D	**Total Susp. Solids**	6.0	mg/L	5.0			X503017	TJL	01/16/25 14:30	
SM 4500 H B	**pH @20.4°C**	7.6	pH Units				X503074	MWD	01/17/25 11:42	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X5A0108-03 (Ground Water)**

Sampled: 07-Jan-25 12:55
Received: 13-Jan-25
Sampled By: TC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	17.2	mg/L	2.00	0.22	10	X502131	RS	01/14/25 16:46	
EPA 300.0	**Fluoride**	0.875	mg/L	0.100	0.017		X502131	RS	01/14/25 16:29	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X502131	RS	01/14/25 16:29	H3
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X502131	RS	01/14/25 16:29	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X502131	RS	01/14/25 16:29	H3
EPA 300.0	**Sulfate as SO4**	25.1	mg/L	0.30	0.18		X502131	RS	01/14/25 16:29	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.35 meq/L Anion Sum: 4.67 meq/L C/A Balance: -3.55 % Calculated TDS: 229 TDS/cTDS: 1.06

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

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	X503032	15-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X503032	15-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X503032	15-Jan-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X504030	22-Jan-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X504030	22-Jan-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X504030	22-Jan-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X504030	22-Jan-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X504030	22-Jan-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X504030	22-Jan-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X504030	22-Jan-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X504030	22-Jan-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X504030	22-Jan-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X504030	22-Jan-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X504030	22-Jan-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X504030	22-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X504030	22-Jan-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X504030	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X504030	22-Jan-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X504030	22-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X504030	22-Jan-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X504030	22-Jan-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X504030	22-Jan-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X504030	22-Jan-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X504030	22-Jan-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X503155	24-Jan-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X503155	24-Jan-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X503155	24-Jan-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X503155	24-Jan-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X503155	24-Jan-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X503138	22-Jan-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X503014	15-Jan-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X503071	16-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X504001	19-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X504016	20-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X503074	17-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X503074	17-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X503074	17-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X503074	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X503016	15-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X503017	16-Jan-25	
SM 4500 H B	pH @21.3°C	pH Units	5.7			X503074	17-Jan-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X502131	14-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X502131	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X502131	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X502131	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X502131	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X502131	14-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

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	X503032	15-Jan-25	
EPA 200.7	Magnesium	mg/L	19.1	20.0	95.3	85 - 115	X503032	15-Jan-25	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.3	85 - 115	X503032	15-Jan-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.969	1.00	96.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Barium	mg/L	0.929	1.00	92.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.944	1.00	94.4	85 - 115	X504030	22-Jan-25	
EPA 200.7	Boron	mg/L	0.966	1.00	96.6	85 - 115	X504030	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.974	1.00	97.4	85 - 115	X504030	22-Jan-25	
EPA 200.7	Calcium	mg/L	20.1	20.0	101	85 - 115	X504030	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.930	1.00	93.0	85 - 115	X504030	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.959	1.00	95.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Copper	mg/L	0.929	1.00	92.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X504030	22-Jan-25	
EPA 200.7	Lead	mg/L	0.959	1.00	95.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.946	1.00	94.6	85 - 115	X504030	22-Jan-25	
EPA 200.7	Magnesium	mg/L	20.1	20.0	101	85 - 115	X504030	22-Jan-25	
EPA 200.7	Manganese	mg/L	0.933	1.00	93.3	85 - 115	X504030	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.981	1.00	98.1	85 - 115	X504030	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.954	1.00	95.4	85 - 115	X504030	22-Jan-25	
EPA 200.7	Potassium	mg/L	19.2	20.0	95.8	85 - 115	X504030	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0485	0.0500	96.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.2	85 - 115	X504030	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.938	1.00	93.8	85 - 115	X504030	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.955	1.00	95.5	85 - 115	X504030	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0246	0.0250	98.4	85 - 115	X503155	24-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0243	0.0250	97.1	85 - 115	X503155	24-Jan-25	
EPA 200.8	Selenium	mg/L	0.0239	0.0250	95.7	85 - 115	X503155	24-Jan-25	
EPA 200.8	Thallium	mg/L	0.0245	0.0250	97.9	85 - 115	X503155	24-Jan-25	
EPA 200.8	Uranium	mg/L	0.0239	0.0250	95.4	85 - 115	X503155	24-Jan-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00205	0.00200	103	85 - 115	X503138	22-Jan-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X503014	15-Jan-25	
EPA 350.1	Ammonia as N	mg/L	0.987	1.00	98.7	90 - 110	X503071	16-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X504001	19-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	716	706	101	95.4 - 104	X504016	20-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	94 - 106	X503074	17-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	412	397	104	94 - 106	X503074	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X503017	16-Jan-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.06	3.00	102	90 - 110	X502131	14-Jan-25	
EPA 300.0	Fluoride	mg/L	2.07	2.00	103	90 - 110	X502131	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.99	2.00	99.7	90 - 110	X502131	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.62	4.50	103	90 - 110	X502131	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.62	2.50	105	90 - 110	X502131	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X502131	14-Jan-25	

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

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	<10.0	<10.0	UDL	20	X504016 - X5A0108-01	20-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	160	163	2.2	20	X503074 - X5A0108-01	17-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	160	163	2.2	20	X503074 - X5A0108-01	17-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X503074 - X5A0108-01	17-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X503074 - X5A0108-01	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	235	247	5.0	10	X503016 - X5A0108-02	15-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	371	375	1.1	10	X503016 - X5A0119-01	15-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	6.0	6.0	0.0	10	X503017 - X5A0108-02	16-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	6.0	6.0	0.0	10	X503017 - X5A0119-01	16-Jan-25	
SM 4500 H B	pH @21.3°C	pH Units	7.9	7.9	0.6	20	X503074 - X5A0108-01	17-Jan-25	

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	61.5	41.7	20.0	99	70 - 130	X503032 - X5A0109-01	15-Jan-25	
EPA 200.7	Calcium	mg/L	325	292	20.0	0.30R>S	70 - 130	X503032 - X5A0115-02	15-Jan-25	M3
EPA 200.7	Magnesium	mg/L	29.7	9.63	20.0	101	70 - 130	X503032 - X5A0109-01	15-Jan-25	
EPA 200.7	Magnesium	mg/L	59.1	36.4	20.0	113	70 - 130	X503032 - X5A0115-02	15-Jan-25	
EPA 200.7	Potassium	mg/L	21.9	2.29	20.0	98.0	70 - 130	X503032 - X5A0109-01	15-Jan-25	
EPA 200.7	Potassium	mg/L	26.0	5.52	20.0	102	70 - 130	X503032 - X5A0115-02	15-Jan-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.998	<0.080	1.00	99.8	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Aluminum	mg/L	1.00	<0.080	1.00	100	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Barium	mg/L	1.02	0.104	1.00	91.4	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Barium	mg/L	1.12	0.185	1.00	93.8	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.932	<0.00200	1.00	93.2	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.950	<0.00200	1.00	95.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Boron	mg/L	0.985	<0.0400	1.00	95.8	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Boron	mg/L	0.988	<0.0400	1.00	98.8	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.975	<0.0020	1.00	97.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.990	<0.0020	1.00	99.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Calcium	mg/L	49.3	30.9	20.0	92.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Calcium	mg/L	65.3	46.6	20.0	93.4	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.918	<0.0060	1.00	91.8	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.935	<0.0060	1.00	93.5	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.940	<0.0060	1.00	94.0	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.950	<0.0060	1.00	95.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Copper	mg/L	0.905	<0.0100	1.00	90.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Copper	mg/L	0.926	<0.0100	1.00	92.6	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Iron	mg/L	10.0	<0.100	10.0	99.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Iron	mg/L	11.1	1.25	10.0	98.3	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Lead	mg/L	0.942	<0.0075	1.00	94.2	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Lead	mg/L	0.957	<0.0075	1.00	95.7	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.949	<0.040	1.00	94.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.966	<0.040	1.00	96.6	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Magnesium	mg/L	32.0	12.6	20.0	96.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Magnesium	mg/L	41.0	21.7	20.0	96.5	70 - 130	X504030 - X5A0108-03	22-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.987	0.0678	1.00	91.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Manganese	mg/L	1.16	0.230	1.00	93.3	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.973	0.0096	1.00	96.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.982	<0.0080	1.00	98.2	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.933	<0.0100	1.00	93.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.942	<0.0100	1.00	94.2	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Potassium	mg/L	20.2	1.10	20.0	95.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Potassium	mg/L	19.7	0.92	20.0	94.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0477	<0.0050	0.0500	95.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0491	<0.0050	0.0500	98.3	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Sodium	mg/L	53.4	36.0	19.0	91.2	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Sodium	mg/L	28.5	10.4	19.0	95.2	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.927	<0.0050	1.00	92.7	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.944	<0.0050	1.00	94.4	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.959	<0.0100	1.00	95.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.964	<0.0100	1.00	96.4	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0261	<0.00100	0.0250	104	70 - 130	X503155 - X5A0109-01	24-Jan-25	
EPA 200.8	Antimony	mg/L	0.0262	<0.00100	0.0250	105	70 - 130	X503155 - X5A0112-01	24-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0259	<0.00100	0.0250	102	70 - 130	X503155 - X5A0109-01	24-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0324	0.00540	0.0250	108	70 - 130	X503155 - X5A0112-01	24-Jan-25	
EPA 200.8	Selenium	mg/L	0.0280	<0.00100	0.0250	111	70 - 130	X503155 - X5A0109-01	24-Jan-25	
EPA 200.8	Selenium	mg/L	0.0484	0.0167	0.0250	127	70 - 130	X503155 - X5A0112-01	24-Jan-25	
EPA 200.8	Thallium	mg/L	0.0261	<0.000200	0.0250	105	70 - 130	X503155 - X5A0109-01	24-Jan-25	
EPA 200.8	Thallium	mg/L	0.0277	<0.000200	0.0250	111	70 - 130	X503155 - X5A0112-01	24-Jan-25	
EPA 200.8	Uranium	mg/L	0.0289	0.00345	0.0250	102	70 - 130	X503155 - X5A0109-01	24-Jan-25	
EPA 200.8	Uranium	mg/L	0.0491	0.0178	0.0250	125	70 - 130	X503155 - X5A0112-01	24-Jan-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X503138 - X5A0108-01	22-Jan-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	0.0051	0.100	99.4	79 - 121	X504097 - X5A0108-01	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X503014 - X5A0108-01	15-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0500	<0.0500	0.100	N/A	90 - 110	X503014 - X5A0032-01	15-Jan-25	D18,M4,Q26
EPA 350.1	Ammonia as N	mg/L	1.17	<0.030	1.00	117	90 - 110	X503071 - X5A0097-02	16-Jan-25	M1
EPA 350.1	Ammonia as N	mg/L	1.17	<0.030	1.00	115	90 - 110	X503071 - X5A0097-01	16-Jan-25	M1
OIA 1677	Cyanide (WAD)	mg/L	0.0947	<0.0050	0.100	92.4	82 - 118	X504001 - X5A0108-01	19-Jan-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.51	4.43	3.00	103	90 - 110	X502131 - X5A0108-01	14-Jan-25	
EPA 300.0	Chloride	mg/L	10.5	7.36	3.00	104	90 - 110	X502131 - X5A0108-02	14-Jan-25	
EPA 300.0	Fluoride	mg/L	4.29	2.22	2.00	103	90 - 110	X502131 - X5A0108-01	14-Jan-25	
EPA 300.0	Fluoride	mg/L	2.49	0.422	2.00	104	90 - 110	X502131 - X5A0108-02	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	2.01	<0.050	2.00	99.1	90 - 110	X502131 - X5A0108-01	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	2.37	0.354	2.00	101	90 - 110	X502131 - X5A0108-02	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.04	<0.100	4.00	101	90 - 110	X502131 - X5A0108-01	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.44	0.360	4.00	102	90 - 110	X502131 - X5A0108-02	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.03	<0.050	2.00	102	90 - 110	X502131 - X5A0108-01	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.07	<0.050	2.00	104	90 - 110	X502131 - X5A0108-02	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	46.1	36.0	10.0	101	90 - 110	X502131 - X5A0108-01	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	106	96.6	10.0	0.30R>S	90 - 110	X502131 - X5A0108-02	14-Jan-25	M4

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0108**
Reported: 27-Jan-25 16:33

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	62.3	61.5	20.0	1.0	20	103	X503032 - X5A0109-01	
EPA 200.7	Magnesium	mg/L	30.0	29.7	20.0	0.7	20	102	X503032 - X5A0109-01	
EPA 200.7	Potassium	mg/L	22.2	21.9	20.0	1.4	20	99.6	X503032 - X5A0109-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.956	0.998	1.00	4.4	20	95.6	X504030 - X5A0108-01	
EPA 200.7	Barium	mg/L	0.988	1.02	1.00	3.0	20	88.4	X504030 - X5A0108-01	
EPA 200.7	Beryllium	mg/L	0.893	0.932	1.00	4.4	20	89.3	X504030 - X5A0108-01	
EPA 200.7	Boron	mg/L	0.968	0.985	1.00	1.7	20	94.1	X504030 - X5A0108-01	
EPA 200.7	Cadmium	mg/L	0.938	0.975	1.00	3.9	20	93.8	X504030 - X5A0108-01	
EPA 200.7	Calcium	mg/L	47.4	49.3	20.0	3.9	20	83.0	X504030 - X5A0108-01	
EPA 200.7	Chromium	mg/L	0.884	0.918	1.00	3.8	20	88.4	X504030 - X5A0108-01	
EPA 200.7	Cobalt	mg/L	0.904	0.940	1.00	3.9	20	90.4	X504030 - X5A0108-01	
EPA 200.7	Copper	mg/L	0.875	0.905	1.00	3.3	20	87.5	X504030 - X5A0108-01	
EPA 200.7	Iron	mg/L	9.52	10.0	10.0	5.1	20	94.5	X504030 - X5A0108-01	
EPA 200.7	Lead	mg/L	0.903	0.942	1.00	4.2	20	90.3	X504030 - X5A0108-01	
EPA 200.7	Lithium	mg/L	0.922	0.949	1.00	2.9	20	92.2	X504030 - X5A0108-01	
EPA 200.7	Magnesium	mg/L	30.6	32.0	20.0	4.3	20	90.1	X504030 - X5A0108-01	
EPA 200.7	Manganese	mg/L	0.944	0.987	1.00	4.5	20	87.6	X504030 - X5A0108-01	
EPA 200.7	Molybdenum	mg/L	0.939	0.973	1.00	3.6	20	92.9	X504030 - X5A0108-01	
EPA 200.7	Nickel	mg/L	0.898	0.933	1.00	3.9	20	89.8	X504030 - X5A0108-01	
EPA 200.7	Potassium	mg/L	19.1	20.2	20.0	5.7	20	89.9	X504030 - X5A0108-01	
EPA 200.7	Silver	mg/L	0.0471	0.0477	0.0500	1.3	20	94.1	X504030 - X5A0108-01	
EPA 200.7	Sodium	mg/L	51.3	53.4	19.0	3.9	20	80.4	X504030 - X5A0108-01	
EPA 200.7	Vanadium	mg/L	0.895	0.927	1.00	3.6	20	89.5	X504030 - X5A0108-01	
EPA 200.7	Zinc	mg/L	0.919	0.959	1.00	4.3	20	91.9	X504030 - X5A0108-01	
EPA 200.8	Antimony	mg/L	0.0256	0.0261	0.0250	1.8	20	103	X503155 - X5A0109-01	
EPA 200.8	Arsenic	mg/L	0.0248	0.0259	0.0250	4.5	20	97.3	X503155 - X5A0109-01	
EPA 200.8	Selenium	mg/L	0.0272	0.0280	0.0250	3.2	20	107	X503155 - X5A0109-01	
EPA 200.8	Thallium	mg/L	0.0257	0.0261	0.0250	1.7	20	103	X503155 - X5A0109-01	
EPA 200.8	Uranium	mg/L	0.0285	0.0289	0.0250	1.5	20	100	X503155 - X5A0109-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00206	0.00209	0.00200	1.5	20	103	X503138 - X5A0108-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.106	0.105	0.100	1.4	11	101	X504097 - X5A0108-01	
EPA 335.4	Cyanide (total)	mg/L	0.105	0.101	0.100	4.0	20	105	X503014 - X5A0108-01	
EPA 350.1	Ammonia as N	mg/L	1.19	1.17	1.00	1.8	20	119	X503071 - X5A0097-02	M1
OIA 1677	Cyanide (WAD)	mg/L	0.0994	0.0947	0.100	4.8	11	97.1	X504001 - X5A0108-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.55	7.51	3.00	0.5	20	104	X502131 - X5A0108-01	
EPA 300.0	Fluoride	mg/L	4.29	4.29	2.00	0.1	20	103	X502131 - X5A0108-01	
EPA 300.0	Nitrate as N	mg/L	2.03	2.01	2.00	1.1	20	100	X502131 - X5A0108-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.09	4.04	4.00	1.3	20	102	X502131 - X5A0108-01	
EPA 300.0	Nitrite as N	mg/L	2.06	2.03	2.00	1.5	20	103	X502131 - X5A0108-01	
EPA 300.0	Sulfate as SO4	mg/L	46.1	46.1	10.0	0.1	20	101	X502131 - X5A0108-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0108**
Victor, CO 80860	Reported: 27-Jan-25 16:33

Notes and Definitions

D18	Due to a published chemical interference, a sample dilution was performed.
H1	Sample analysis performed past holding time.
H3	Sample was received and/or analysis requested past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
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.
Q26	Sample tested positive for sulfides and was treated with cadmium carbonate.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0148**
Victor, CO 80860	Reported: 28-Jan-25 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-107G	X5A0148-01	Ground Water	13-Jan-25 11:26	TR	14-Jan-2025	
RB-0113	X5A0148-02	Ground Water	13-Jan-25 14:36	TR	14-Jan-2025	

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: X5A0148

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0148**
Reported: 28-Jan-25 16:11

Client Sample ID: **GVMW-107G**
SVL Sample ID: **X5A0148-01 (Ground Water)**

Sampled: 13-Jan-25 11:26
Received: 14-Jan-25
Sampled By: TR

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**	36.2	mg/L	0.100	0.069		X503129	SJN	01/20/25 14:05	
EPA 200.7	**Magnesium**	12.6	mg/L	0.500	0.090		X503129	SJN	01/20/25 14:05	
EPA 200.7	**Potassium**	0.82	mg/L	0.50	0.18		X503129	SJN	01/20/25 14:05	
SM 2340 B	**Hardness (as CaCO3)**	142	mg/L	2.31	0.543		N/A		01/22/25 10:08	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504030	NMS	01/22/25 10:08	
EPA 200.7	**Barium**	0.0269	mg/L	0.0020	0.0019		X504030	NMS	01/22/25 10:08	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504030	NMS	01/22/25 10:08	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504030	NMS	01/22/25 10:08	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504030	NMS	01/22/25 10:08	
EPA 200.7	**Calcium**	36.6	mg/L	0.100	0.069		X504030	NMS	01/22/25 10:08	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504030	NMS	01/22/25 10:08	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504030	NMS	01/22/25 10:08	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504030	NMS	01/22/25 10:08	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504030	NMS	01/22/25 10:08	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504030	NMS	01/22/25 10:08	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504030	NMS	01/22/25 10:08	
EPA 200.7	**Magnesium**	13.2	mg/L	0.500	0.090		X504030	NMS	01/22/25 10:08	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 10:08	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 10:08	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504030	NMS	01/22/25 10:08	
EPA 200.7	**Potassium**	0.77	mg/L	0.50	0.18		X504030	NMS	01/22/25 10:08	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 10:08	
EPA 200.7	**Sodium**	11.6	mg/L	0.50	0.12		X504030	NMS	01/22/25 10:08	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 10:08	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504030	NMS	01/22/25 10:08	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X503156	JRR	01/28/25 12:59	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X503156	JRR	01/28/25 12:59	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X503156	JRR	01/28/25 12:59	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X503156	JRR	01/28/25 12:59	
EPA 200.8	**Uranium**	0.000281	mg/L	0.000100	0.000052		X503156	JRR	01/28/25 12:59	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505042	MAC	01/28/25 14:00	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:44	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:04	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X503072	JPM	01/16/25 11:15	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X504001	DD	01/19/25 15:52	
SM 2310 B	**Acidity to pH 8.3**	-60.5	mg/L as CaCO3	10.0			X504016	MWD	01/20/25 10:47	
SM 2320 B	**Total Alkalinity**	57.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:21	
SM 2320 B	**Bicarbonate**	57.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:21	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:21	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:21	
SM 2540 C	**Total Diss. Solids**	222	mg/L	10			X503104	TJL	01/17/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X503105	TJL	01/17/25 13:30	
SM 4500 H B	**pH @20.4°C**	6.7	pH Units				X503151	MWD	01/17/25 17:21	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0148**
Reported: 28-Jan-25 16:11

Client Sample ID: **GVMW-107G**
SVL Sample ID: **X5A0148-01 (Ground Water)**

Sampled: 13-Jan-25 11:26
Received: 14-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	13.8	mg/L	2.00	0.22	10	X503037	RS	01/14/25 15:10	
EPA 300.0	**Fluoride**	0.398	mg/L	0.100	0.017		X503037	RS	01/14/25 14:54	
EPA 300.0	**Nitrate as N**	0.833	mg/L	0.050	0.013		X503037	RS	01/14/25 14:54	
EPA 300.0	**Nitrate+Nitrite as N**	0.837	mg/L	0.100	0.044		X503037	RS	01/14/25 14:54	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503037	RS	01/14/25 14:54	
EPA 300.0	**Sulfate as SO4**	86.3	mg/L	3.00	1.80	10	X503037	RS	01/14/25 15:10	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.38 meq/L Anion Sum: 3.41 meq/L C/A Balance: -0.36 % Calculated TDS: 200 TDS/cTDS: 1.11

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Newmont - Cripple Creek & Victor
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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0148**
Reported: 28-Jan-25 16:11

Client Sample ID: **RB-0113**
SVL Sample ID: **X5A0148-02 (Ground Water)**

Sampled: 13-Jan-25 14:36
Received: 14-Jan-25
Sampled By: TR

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		X503129	SJN	01/20/25 14:09	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X503129	SJN	01/20/25 14:09	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X503129	SJN	01/20/25 14:09	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		01/20/25 14:09	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504030	NMS	01/22/25 10:12	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X504030	NMS	01/22/25 10:12	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504030	NMS	01/22/25 10:12	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504030	NMS	01/22/25 10:12	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504030	NMS	01/22/25 10:12	
EPA 200.7	**Calcium**	0.137	mg/L	0.100	0.069		X504030	NMS	01/22/25 10:12	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504030	NMS	01/22/25 10:12	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504030	NMS	01/22/25 10:12	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504030	NMS	01/22/25 10:12	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504030	NMS	01/22/25 10:12	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504030	NMS	01/22/25 10:12	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504030	NMS	01/22/25 10:12	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X504030	NMS	01/22/25 10:12	
EPA 200.7	**Manganese**	0.0219	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 10:12	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 10:12	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504030	NMS	01/22/25 10:12	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X504030	NMS	01/22/25 10:12	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 10:12	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X504030	NMS	01/22/25 10:12	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 10:12	
EPA 200.7	**Zinc**	0.0100	mg/L	0.0100	0.0054		X504030	NMS	01/22/25 10:12	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X503156	JRR	01/28/25 13:02	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X503156	JRR	01/28/25 13:02	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X503156	JRR	01/28/25 13:02	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X503156	JRR	01/28/25 13:02	
EPA 200.8	**Uranium**	0.000172	mg/L	0.000100	0.000052		X503156	JRR	01/28/25 13:02	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505042	MAC	01/28/25 14:07	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:46	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:07	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X503072	JPM	01/16/25 11:26	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X504001	DD	01/19/25 15:54	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X504016	MWD	01/20/25 10:47	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:28	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:28	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:28	
SM 2540 C	Total Diss. Solids	< 10	mg/L	10			X503104	TJL	01/17/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X503105	TJL	01/17/25 13:30	
SM 4500 H B	**pH @20.5°C**	5.1	pH Units				X503151	MWD	01/17/25 17:28	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0148**
Reported: 28-Jan-25 16:11

Client Sample ID: **RB-0113**
SVL Sample ID: **X5A0148-02 (Ground Water)**

Sampled: 13-Jan-25 14:36
Received: 14-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.23	mg/L	0.20	0.02		X503037	RS	01/14/25 14:07	
EPA 300.0	**Fluoride**	0.222	mg/L	0.100	0.017		X503037	RS	01/14/25 14:07	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X503037	RS	01/14/25 14:07	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X503037	RS	01/14/25 14:07	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503037	RS	01/14/25 14:07	
EPA 300.0	**Sulfate as SO4**	1.76	mg/L	0.30	0.18		X503037	RS	01/14/25 14:07	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.03 meq/L Anion Sum: 0.08 meq/L C/A Balance: -38.64 % Calculated TDS: 2 TDS/cTDS: 0.00

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0148**
Reported: 28-Jan-25 16:11

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	X503129	20-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X503129	20-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X503129	20-Jan-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X504030	22-Jan-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X504030	22-Jan-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X504030	22-Jan-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X504030	22-Jan-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X504030	22-Jan-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X504030	22-Jan-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X504030	22-Jan-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X504030	22-Jan-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X504030	22-Jan-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X504030	22-Jan-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X504030	22-Jan-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X504030	22-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X504030	22-Jan-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X504030	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X504030	22-Jan-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X504030	22-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X504030	22-Jan-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X504030	22-Jan-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X504030	22-Jan-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X504030	22-Jan-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X504030	22-Jan-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X503156	28-Jan-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X505042	28-Jan-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X503072	16-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X504001	19-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X504016	20-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X503104	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X503105	17-Jan-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X503037	14-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X503037	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X503037	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X503037	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X503037	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X503037	14-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0148**
Reported: 28-Jan-25 16:11

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	19.6	20.0	98	85 - 115	X503129	20-Jan-25	
EPA 200.7	Magnesium	mg/L	19.7	20.0	98.6	85 - 115	X503129	20-Jan-25	
EPA 200.7	Potassium	mg/L	19.9	20.0	99.4	85 - 115	X503129	20-Jan-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.969	1.00	96.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Barium	mg/L	0.929	1.00	92.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.944	1.00	94.4	85 - 115	X504030	22-Jan-25	
EPA 200.7	Boron	mg/L	0.966	1.00	96.6	85 - 115	X504030	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.974	1.00	97.4	85 - 115	X504030	22-Jan-25	
EPA 200.7	Calcium	mg/L	20.1	20.0	101	85 - 115	X504030	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.930	1.00	93.0	85 - 115	X504030	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.959	1.00	95.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Copper	mg/L	0.929	1.00	92.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X504030	22-Jan-25	
EPA 200.7	Lead	mg/L	0.959	1.00	95.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.946	1.00	94.6	85 - 115	X504030	22-Jan-25	
EPA 200.7	Magnesium	mg/L	20.1	20.0	101	85 - 115	X504030	22-Jan-25	
EPA 200.7	Manganese	mg/L	0.933	1.00	93.3	85 - 115	X504030	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.981	1.00	98.1	85 - 115	X504030	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.954	1.00	95.4	85 - 115	X504030	22-Jan-25	
EPA 200.7	Potassium	mg/L	19.2	20.0	95.8	85 - 115	X504030	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0485	0.0500	96.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.2	85 - 115	X504030	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.938	1.00	93.8	85 - 115	X504030	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.955	1.00	95.5	85 - 115	X504030	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0252	0.0250	101	85 - 115	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0231	0.0250	92.4	85 - 115	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	0.0224	0.0250	89.5	85 - 115	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	0.0249	0.0250	99.6	85 - 115	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	0.0245	0.0250	97.9	85 - 115	X503156	28-Jan-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00213	0.00200	107	85 - 115	X505042	28-Jan-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0955	0.100	95.5	90 - 110	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	0.986	1.00	98.6	90 - 110	X503072	16-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X504001	19-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	716	706	101	95.4 - 104	X504016	20-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	94 - 106	X503151	17-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X503151	17-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	413	397	104	94 - 106	X503151	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X503105	17-Jan-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.3	90 - 110	X503037	14-Jan-25	
EPA 300.0	Fluoride	mg/L	2.01	2.00	100	90 - 110	X503037	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.98	2.00	99.2	90 - 110	X503037	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.51	4.50	100	90 - 110	X503037	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.52	2.50	101	90 - 110	X503037	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.0	105	90 - 110	X503037	14-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0148**
Reported: 28-Jan-25 16:11

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	<10.0	<10.0	UDL	20	X504016 - X5A0108-01	20-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	147	144	2.4	20	X503151 - X5A0115-02	17-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	147	144	2.4	20	X503151 - X5A0115-02	17-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X503151 - X5A0115-02	17-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X503151 - X5A0115-02	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	212	222	4.6	10	X503104 - X5A0148-01	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	338	336	0.6	10	X503104 - X5A0155-02	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X503105 - X5A0155-02	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X503105 - X5A0148-01	17-Jan-25	
SM 4500 H B	pH @20.7°C	pH Units	7.8	7.9	0.4	20	X503151 - X5A0115-02	17-Jan-25	

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	79.9	56.6	20.0	117	70 - 130	X503129 - X5A0145-01	20-Jan-25	
EPA 200.7	Calcium	mg/L	59.5	40.7	20.0	94	70 - 130	X503129 - X5A0159-01	20-Jan-25	
EPA 200.7	Magnesium	mg/L	35.6	13.8	20.0	109	70 - 130	X503129 - X5A0145-01	20-Jan-25	
EPA 200.7	Magnesium	mg/L	35.3	15.3	20.0	100	70 - 130	X503129 - X5A0159-01	20-Jan-25	
EPA 200.7	Potassium	mg/L	22.1	1.52	20.0	103	70 - 130	X503129 - X5A0145-01	20-Jan-25	
EPA 200.7	Potassium	mg/L	23.3	3.07	20.0	101	70 - 130	X503129 - X5A0159-01	20-Jan-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.998	<0.080	1.00	99.8	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Aluminum	mg/L	1.00	<0.080	1.00	100	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Barium	mg/L	1.02	0.104	1.00	91.4	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Barium	mg/L	1.12	0.185	1.00	93.8	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.932	<0.00200	1.00	93.2	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.950	<0.00200	1.00	95.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Boron	mg/L	0.985	<0.0400	1.00	95.8	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Boron	mg/L	0.988	<0.0400	1.00	98.8	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.975	<0.0020	1.00	97.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.990	<0.0020	1.00	99.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Calcium	mg/L	49.3	30.9	20.0	92.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Calcium	mg/L	65.3	46.6	20.0	93.4	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.918	<0.0060	1.00	91.8	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.935	<0.0060	1.00	93.5	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.940	<0.0060	1.00	94.0	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.950	<0.0060	1.00	95.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Copper	mg/L	0.905	<0.0100	1.00	90.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Copper	mg/L	0.926	<0.0100	1.00	92.6	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Iron	mg/L	10.0	<0.100	10.0	99.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Iron	mg/L	11.1	1.25	10.0	98.3	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Lead	mg/L	0.942	<0.0075	1.00	94.2	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Lead	mg/L	0.957	<0.0075	1.00	95.7	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.949	<0.040	1.00	94.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.966	<0.040	1.00	96.6	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Magnesium	mg/L	32.0	12.6	20.0	96.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Magnesium	mg/L	41.0	21.7	20.0	96.5	70 - 130	X504030 - X5A0108-03	22-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0148**
Reported: 28-Jan-25 16:11

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.987	0.0678	1.00	91.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Manganese	mg/L	1.16	0.230	1.00	93.3	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.973	0.0096	1.00	96.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.982	<0.0080	1.00	98.2	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.933	<0.0100	1.00	93.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.942	<0.0100	1.00	94.2	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Potassium	mg/L	20.2	1.10	20.0	95.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Potassium	mg/L	19.7	0.92	20.0	94.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0477	<0.0050	0.0500	95.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0491	<0.0050	0.0500	98.3	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Sodium	mg/L	53.4	36.0	19.0	91.2	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Sodium	mg/L	28.5	10.4	19.0	95.2	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.927	<0.0050	1.00	92.7	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.944	<0.0050	1.00	94.4	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.959	<0.0100	1.00	95.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.964	<0.0100	1.00	96.4	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0247	<0.00100	0.0250	98.9	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0235	<0.00100	0.0250	94.0	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Selenium	mg/L	0.0231	<0.00100	0.0250	90.1	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Thallium	mg/L	0.0243	<0.000200	0.0250	97.4	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Uranium	mg/L	0.0246	0.000281	0.0250	97.1	70 - 130	X503156 - X5A0148-01	28-Jan-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X505042 - X5A0148-01	28-Jan-25	
EPA 245.1	Mercury	mg/L	0.00210	<0.000200	0.00200	105	70 - 130	X505042 - X5A0214-02	28-Jan-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	0.0051	0.100	99.4	79 - 121	X504097 - X5A0108-01	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0962	<0.0050	0.100	96.2	90 - 110	X504004 - X5A0150-02	21-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X504004 - X5A0150-01	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X503072 - X5A0145-06	16-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.10	<0.030	1.00	110	90 - 110	X503072 - X5A0145-05	16-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0947	<0.0050	0.100	92.4	82 - 118	X504001 - X5A0108-01	19-Jan-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.20	0.23	3.00	99.0	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Fluoride	mg/L	2.23	0.222	2.00	101	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.99	<0.050	2.00	99.5	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.99	<0.100	4.00	99.7	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	99.9	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	12.2	1.76	10.0	104	90 - 110	X503037 - X5A0148-02	14-Jan-25	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	77.1	79.9	20.0	3.0	20	103	X503129 - X5A0145-01	
EPA 200.7	Magnesium	mg/L	34.0	35.6	20.0	4.5	20	101	X503129 - X5A0145-01	
EPA 200.7	Potassium	mg/L	21.1	22.1	20.0	4.4	20	98.0	X503129 - X5A0145-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.956	0.998	1.00	4.4	20	95.6	X504030 - X5A0108-01	

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0148**
Reported: 28-Jan-25 16:11

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	Barium	mg/L	0.988	1.02	1.00	3.0	20	88.4	X504030 - X5A0108-01	
EPA 200.7	Beryllium	mg/L	0.893	0.932	1.00	4.4	20	89.3	X504030 - X5A0108-01	
EPA 200.7	Boron	mg/L	0.968	0.985	1.00	1.7	20	94.1	X504030 - X5A0108-01	
EPA 200.7	Cadmium	mg/L	0.938	0.975	1.00	3.9	20	93.8	X504030 - X5A0108-01	
EPA 200.7	Calcium	mg/L	47.4	49.3	20.0	3.9	20	83.0	X504030 - X5A0108-01	
EPA 200.7	Chromium	mg/L	0.884	0.918	1.00	3.8	20	88.4	X504030 - X5A0108-01	
EPA 200.7	Cobalt	mg/L	0.904	0.940	1.00	3.9	20	90.4	X504030 - X5A0108-01	
EPA 200.7	Copper	mg/L	0.875	0.905	1.00	3.3	20	87.5	X504030 - X5A0108-01	
EPA 200.7	Iron	mg/L	9.52	10.0	10.0	5.1	20	94.5	X504030 - X5A0108-01	
EPA 200.7	Lead	mg/L	0.903	0.942	1.00	4.2	20	90.3	X504030 - X5A0108-01	
EPA 200.7	Lithium	mg/L	0.922	0.949	1.00	2.9	20	92.2	X504030 - X5A0108-01	
EPA 200.7	Magnesium	mg/L	30.6	32.0	20.0	4.3	20	90.1	X504030 - X5A0108-01	
EPA 200.7	Manganese	mg/L	0.944	0.987	1.00	4.5	20	87.6	X504030 - X5A0108-01	
EPA 200.7	Molybdenum	mg/L	0.939	0.973	1.00	3.6	20	92.9	X504030 - X5A0108-01	
EPA 200.7	Nickel	mg/L	0.898	0.933	1.00	3.9	20	89.8	X504030 - X5A0108-01	
EPA 200.7	Potassium	mg/L	19.1	20.2	20.0	5.7	20	89.9	X504030 - X5A0108-01	
EPA 200.7	Silver	mg/L	0.0471	0.0477	0.0500	1.3	20	94.1	X504030 - X5A0108-01	
EPA 200.7	Sodium	mg/L	51.3	53.4	19.0	3.9	20	80.4	X504030 - X5A0108-01	
EPA 200.7	Vanadium	mg/L	0.895	0.927	1.00	3.6	20	89.5	X504030 - X5A0108-01	
EPA 200.7	Zinc	mg/L	0.919	0.959	1.00	4.3	20	91.9	X504030 - X5A0108-01	
EPA 200.8	Antimony	mg/L	0.0249	0.0247	0.0250	0.9	20	99.7	X503156 - X5A0148-01	
EPA 200.8	Arsenic	mg/L	0.0239	0.0235	0.0250	1.5	20	95.5	X503156 - X5A0148-01	
EPA 200.8	Selenium	mg/L	0.0226	0.0231	0.0250	1.9	20	88.4	X503156 - X5A0148-01	
EPA 200.8	Thallium	mg/L	0.0234	0.0243	0.0250	3.9	20	93.7	X503156 - X5A0148-01	
EPA 200.8	Uranium	mg/L	0.0239	0.0246	0.0250	2.6	20	94.5	X503156 - X5A0148-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00218	0.00212	0.00200	2.9	20	109	X505042 - X5A0148-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.106	0.105	0.100	1.4	11	101	X504097 - X5A0108-01	
EPA 335.4	Cyanide (total)	mg/L	0.0996	0.0962	0.100	3.5	20	99.6	X504004 - X5A0150-02	
EPA 350.1	Ammonia as N	mg/L	1.08	1.07	1.00	1.1	20	108	X503072 - X5A0145-06	
OIA 1677	Cyanide (WAD)	mg/L	0.0994	0.0947	0.100	4.8	11	97.1	X504001 - X5A0108-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.22	3.20	3.00	0.7	20	99.7	X503037 - X5A0148-02	
EPA 300.0	Fluoride	mg/L	2.25	2.23	2.00	0.8	20	102	X503037 - X5A0148-02	
EPA 300.0	Nitrate as N	mg/L	2.00	1.99	2.00	0.4	20	99.8	X503037 - X5A0148-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.01	3.99	4.00	0.6	20	100	X503037 - X5A0148-02	
EPA 300.0	Nitrite as N	mg/L	2.01	2.00	2.00	0.8	20	101	X503037 - X5A0148-02	
EPA 300.0	Sulfate as SO4	mg/L	12.3	12.2	10.0	0.9	20	106	X503037 - X5A0148-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0148**
Victor, CO 80860	Reported: 28-Jan-25 16:11

Notes and Definitions

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

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0150**
Victor, CO 80860	Reported: 28-Jan-25 16:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-7B	X5A0150-01	Ground Water	13-Jan-25 11:26	TR	14-Jan-2025	Q24
GVMW-8B	X5A0150-02	Ground Water	13-Jan-25 13:05	TR	14-Jan-2025	Q24

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: X5A0150

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0150**
Reported: 28-Jan-25 16:55

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X5A0150-01 (Ground Water)**

Sampled: 13-Jan-25 11:26
Received: 14-Jan-25
Sampled By: TR

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**	35.4	mg/L	0.100	0.069		X503129	SJN	01/20/25 14:13	
EPA 200.7	**Magnesium**	12.3	mg/L	0.500	0.090		X503129	SJN	01/20/25 14:13	
EPA 200.7	**Potassium**	0.85	mg/L	0.50	0.18		X503129	SJN	01/20/25 14:13	
SM 2340 B	**Hardness (as CaCO3)**	142	mg/L	2.31	0.543		N/A		01/20/25 14:13	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504030	NMS	01/22/25 10:15	
EPA 200.7	**Barium**	0.0260	mg/L	0.0020	0.0019		X504030	NMS	01/22/25 10:15	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504030	NMS	01/22/25 10:15	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504030	NMS	01/22/25 10:15	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504030	NMS	01/22/25 10:15	
EPA 200.7	**Calcium**	35.6	mg/L	0.100	0.069		X504030	NMS	01/22/25 10:15	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504030	NMS	01/22/25 10:15	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504030	NMS	01/22/25 10:15	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504030	NMS	01/22/25 10:15	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504030	NMS	01/22/25 10:15	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504030	NMS	01/22/25 10:15	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504030	NMS	01/22/25 10:15	
EPA 200.7	**Magnesium**	12.9	mg/L	0.500	0.090		X504030	NMS	01/22/25 10:15	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 10:15	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 10:15	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504030	NMS	01/22/25 10:15	
EPA 200.7	**Potassium**	0.76	mg/L	0.50	0.18		X504030	NMS	01/22/25 10:15	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 10:15	
EPA 200.7	**Sodium**	11.2	mg/L	0.50	0.12		X504030	NMS	01/22/25 10:15	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 10:15	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504030	NMS	01/22/25 10:15	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X503156	JRR	01/28/25 13:04	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X503156	JRR	01/28/25 13:04	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X503156	JRR	01/28/25 13:04	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X503156	JRR	01/28/25 13:04	
EPA 200.8	**Uranium**	0.000246	mg/L	0.000100	0.000052		X503156	JRR	01/28/25 13:04	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505042	MAC	01/28/25 14:09	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:47	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:09	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X503071	JPM	01/16/25 10:29	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X504001	DD	01/19/25 15:56	
SM 2310 B	**Acidity to pH 8.3**	-60.5	mg/L as CaCO3	10.0			X504016	MWD	01/20/25 10:47	
SM 2320 B	**Total Alkalinity**	57.7	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:43	
SM 2320 B	**Bicarbonate**	57.7	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:43	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:43	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:43	
SM 2540 C	**Total Diss. Solids**	214	mg/L	10			X503104	TJL	01/17/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X503105	TJL	01/17/25 13:30	
SM 4500 H B	**pH @20.3°C**	6.7	pH Units				X503151	MWD	01/17/25 17:43	H5

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

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0150**
Reported: 28-Jan-25 16:55

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X5A0150-01 (Ground Water)**

Sampled: 13-Jan-25 11:26
Received: 14-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	13.4	mg/L	2.00	0.22	10	X503037	RS	01/14/25 16:30	
EPA 300.0	**Fluoride**	0.368	mg/L	0.100	0.017		X503037	RS	01/14/25 15:58	
EPA 300.0	**Nitrate as N**	0.829	mg/L	0.050	0.013		X503037	RS	01/14/25 15:58	
EPA 300.0	**Nitrate+Nitrite as N**	0.839	mg/L	0.100	0.044		X503037	RS	01/14/25 15:58	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503037	RS	01/14/25 15:58	
EPA 300.0	**Sulfate as SO4**	86.5	mg/L	3.00	1.80	10	X503037	RS	01/14/25 16:30	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.30 meq/L Anion Sum: 3.41 meq/L C/A Balance: -1.68 % Calculated TDS: 199 TDS/cTDS: 1.08

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0150**
Reported: 28-Jan-25 16:55

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X5A0150-02 (Ground Water)**

Sampled: 13-Jan-25 13:05
Received: 14-Jan-25
Sampled By: TR

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**	44.6	mg/L	0.100	0.069		X503129	SJN	01/20/25 14:16	
EPA 200.7	**Magnesium**	7.09	mg/L	0.500	0.090		X503129	SJN	01/20/25 14:16	
EPA 200.7	**Potassium**	1.35	mg/L	0.50	0.18		X503129	SJN	01/20/25 14:16	
SM 2340 B	**Hardness (as CaCO3)**	141	mg/L	2.31	0.543		N/A		01/20/25 14:16	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504030	NMS	01/22/25 10:19	
EPA 200.7	**Barium**	0.0042	mg/L	0.0020	0.0019		X504030	NMS	01/22/25 10:19	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504030	NMS	01/22/25 10:19	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504030	NMS	01/22/25 10:19	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504030	NMS	01/22/25 10:19	
EPA 200.7	**Calcium**	45.0	mg/L	0.100	0.069		X504030	NMS	01/22/25 10:19	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504030	NMS	01/22/25 10:19	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504030	NMS	01/22/25 10:19	
EPA 200.7	**Copper**	0.0137	mg/L	0.0100	0.0027		X504030	NMS	01/22/25 10:19	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504030	NMS	01/22/25 10:19	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504030	NMS	01/22/25 10:19	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504030	NMS	01/22/25 10:19	
EPA 200.7	**Magnesium**	7.25	mg/L	0.500	0.090		X504030	NMS	01/22/25 10:19	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 10:19	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504030	NMS	01/22/25 10:19	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504030	NMS	01/22/25 10:19	
EPA 200.7	**Potassium**	1.27	mg/L	0.50	0.18		X504030	NMS	01/22/25 10:19	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 10:19	
EPA 200.7	**Sodium**	24.7	mg/L	0.50	0.12		X504030	NMS	01/22/25 10:19	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504030	NMS	01/22/25 10:19	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504030	NMS	01/22/25 10:19	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X503156	JRR	01/28/25 13:07	
EPA 200.8	Arsenic	< 0.00200	mg/L	0.00200	0.00042	2	X503156	JRR	01/28/25 13:36	D17
EPA 200.8	Selenium	< 0.00200	mg/L	0.00200	0.00048	2	X503156	JRR	01/28/25 13:36	D17
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X503156	JRR	01/28/25 13:07	
EPA 200.8	**Uranium**	0.00242	mg/L	0.000100	0.000052		X503156	JRR	01/28/25 13:07	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505042	MAC	01/28/25 14:11	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:49	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:11	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X503071	JPM	01/16/25 10:31	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X504001	DD	01/19/25 15:58	
SM 2310 B	**Acidity to pH 8.3**	-42.0	mg/L as CaCO3	10.0			X504016	MWD	01/20/25 10:47	
SM 2320 B	**Total Alkalinity**	38.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:50	
SM 2320 B	**Bicarbonate**	38.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:50	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 17:50	
SM 2540 C	**Total Diss. Solids**	275	mg/L	10			X503104	TJL	01/17/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X503105	TJL	01/17/25 13:30	
SM 4500 H B	**pH @20.5°C**	6.9	pH Units				X503151	MWD	01/17/25 17:50	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0150**
Reported: 28-Jan-25 16:55

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X5A0150-02 (Ground Water)**

Sampled: 13-Jan-25 13:05
Received: 14-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	38.5	mg/L	2.00	0.22	10	X503037	RS	01/14/25 16:14	
EPA 300.0	**Fluoride**	2.23	mg/L	0.100	0.017		X503037	RS	01/14/25 16:45	
EPA 300.0	**Nitrate as N**	2.27	mg/L	0.050	0.013		X503037	RS	01/14/25 16:45	
EPA 300.0	**Nitrate+Nitrite as N**	2.27	mg/L	0.100	0.044		X503037	RS	01/14/25 16:45	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503037	RS	01/14/25 16:45	
EPA 300.0	**Sulfate as SO4**	96.7	mg/L	3.00	1.80	10	X503037	RS	01/14/25 16:14	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.93 meq/L Anion Sum: 4.14 meq/L C/A Balance: -2.59 % Calculated TDS: 248 TDS/cTDS: 1.11

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Newmont - Cripple Creek & Victor
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0150**
Reported: 28-Jan-25 16:55

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	X503129	20-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X503129	20-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X503129	20-Jan-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X504030	22-Jan-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X504030	22-Jan-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X504030	22-Jan-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X504030	22-Jan-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X504030	22-Jan-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X504030	22-Jan-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X504030	22-Jan-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X504030	22-Jan-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X504030	22-Jan-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X504030	22-Jan-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X504030	22-Jan-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X504030	22-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X504030	22-Jan-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X504030	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X504030	22-Jan-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X504030	22-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X504030	22-Jan-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X504030	22-Jan-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X504030	22-Jan-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X504030	22-Jan-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X504030	22-Jan-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X503156	28-Jan-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X505042	28-Jan-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X503071	16-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X504001	19-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X504016	20-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X503104	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X503105	17-Jan-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X503037	14-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X503037	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X503037	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X503037	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X503037	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X503037	14-Jan-25	

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0150**
Reported: 28-Jan-25 16:55

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.6	20.0	98	85 - 115	X503129	20-Jan-25	
EPA 200.7	Magnesium	mg/L	19.7	20.0	98.6	85 - 115	X503129	20-Jan-25	
EPA 200.7	Potassium	mg/L	19.9	20.0	99.4	85 - 115	X503129	20-Jan-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.969	1.00	96.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Barium	mg/L	0.929	1.00	92.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.944	1.00	94.4	85 - 115	X504030	22-Jan-25	
EPA 200.7	Boron	mg/L	0.966	1.00	96.6	85 - 115	X504030	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.974	1.00	97.4	85 - 115	X504030	22-Jan-25	
EPA 200.7	Calcium	mg/L	20.1	20.0	101	85 - 115	X504030	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.930	1.00	93.0	85 - 115	X504030	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.959	1.00	95.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Copper	mg/L	0.929	1.00	92.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X504030	22-Jan-25	
EPA 200.7	Lead	mg/L	0.959	1.00	95.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.946	1.00	94.6	85 - 115	X504030	22-Jan-25	
EPA 200.7	Magnesium	mg/L	20.1	20.0	101	85 - 115	X504030	22-Jan-25	
EPA 200.7	Manganese	mg/L	0.933	1.00	93.3	85 - 115	X504030	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.981	1.00	98.1	85 - 115	X504030	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.954	1.00	95.4	85 - 115	X504030	22-Jan-25	
EPA 200.7	Potassium	mg/L	19.2	20.0	95.8	85 - 115	X504030	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0485	0.0500	96.9	85 - 115	X504030	22-Jan-25	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.2	85 - 115	X504030	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.938	1.00	93.8	85 - 115	X504030	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.955	1.00	95.5	85 - 115	X504030	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0252	0.0250	101	85 - 115	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0231	0.0250	92.4	85 - 115	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	0.0224	0.0250	89.5	85 - 115	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	0.0249	0.0250	99.6	85 - 115	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	0.0245	0.0250	97.9	85 - 115	X503156	28-Jan-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00213	0.00200	107	85 - 115	X505042	28-Jan-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0955	0.100	95.5	90 - 110	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	0.987	1.00	98.7	90 - 110	X503071	16-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X504001	19-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	716	706	101	95.4 - 104	X504016	20-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	94 - 106	X503151	17-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X503151	17-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	413	397	104	94 - 106	X503151	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X503105	17-Jan-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.3	90 - 110	X503037	14-Jan-25	
EPA 300.0	Fluoride	mg/L	2.01	2.00	100	90 - 110	X503037	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.98	2.00	99.2	90 - 110	X503037	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.51	4.50	100	90 - 110	X503037	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.52	2.50	101	90 - 110	X503037	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.0	105	90 - 110	X503037	14-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0150**
Reported: 28-Jan-25 16:55

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	<10.0	<10.0	UDL	20	X504016 - X5A0108-01	20-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	147	144	2.4	20	X503151 - X5A0115-02	17-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	147	144	2.4	20	X503151 - X5A0115-02	17-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X503151 - X5A0115-02	17-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X503151 - X5A0115-02	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	212	222	4.6	10	X503104 - X5A0148-01	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	338	336	0.6	10	X503104 - X5A0155-02	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X503105 - X5A0155-02	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X503105 - X5A0148-01	17-Jan-25	
SM 4500 H B	pH @20.7°C	pH Units	7.8	7.9	0.4	20	X503151 - X5A0115-02	17-Jan-25	

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	79.9	56.6	20.0	117	70 - 130	X503129 - X5A0145-01	20-Jan-25	
EPA 200.7	Calcium	mg/L	59.5	40.7	20.0	94	70 - 130	X503129 - X5A0159-01	20-Jan-25	
EPA 200.7	Magnesium	mg/L	35.6	13.8	20.0	109	70 - 130	X503129 - X5A0145-01	20-Jan-25	
EPA 200.7	Magnesium	mg/L	35.3	15.3	20.0	100	70 - 130	X503129 - X5A0159-01	20-Jan-25	
EPA 200.7	Potassium	mg/L	22.1	1.52	20.0	103	70 - 130	X503129 - X5A0145-01	20-Jan-25	
EPA 200.7	Potassium	mg/L	23.3	3.07	20.0	101	70 - 130	X503129 - X5A0159-01	20-Jan-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.998	<0.080	1.00	99.8	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Aluminum	mg/L	1.00	<0.080	1.00	100	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Barium	mg/L	1.02	0.104	1.00	91.4	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Barium	mg/L	1.12	0.185	1.00	93.8	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.932	<0.00200	1.00	93.2	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.950	<0.00200	1.00	95.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Boron	mg/L	0.985	<0.0400	1.00	95.8	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Boron	mg/L	0.988	<0.0400	1.00	98.8	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.975	<0.0020	1.00	97.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.990	<0.0020	1.00	99.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Calcium	mg/L	49.3	30.9	20.0	92.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Calcium	mg/L	65.3	46.6	20.0	93.4	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.918	<0.0060	1.00	91.8	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.935	<0.0060	1.00	93.5	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.940	<0.0060	1.00	94.0	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.950	<0.0060	1.00	95.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Copper	mg/L	0.905	<0.0100	1.00	90.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Copper	mg/L	0.926	<0.0100	1.00	92.6	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Iron	mg/L	10.0	<0.100	10.0	99.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Iron	mg/L	11.1	1.25	10.0	98.3	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Lead	mg/L	0.942	<0.0075	1.00	94.2	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Lead	mg/L	0.957	<0.0075	1.00	95.7	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.949	<0.040	1.00	94.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.966	<0.040	1.00	96.6	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Magnesium	mg/L	32.0	12.6	20.0	96.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Magnesium	mg/L	41.0	21.7	20.0	96.5	70 - 130	X504030 - X5A0108-03	22-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0150**
Reported: 28-Jan-25 16:55

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.987	0.0678	1.00	91.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Manganese	mg/L	1.16	0.230	1.00	93.3	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.973	0.0096	1.00	96.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.982	<0.0080	1.00	98.2	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.933	<0.0100	1.00	93.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.942	<0.0100	1.00	94.2	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Potassium	mg/L	20.2	1.10	20.0	95.5	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Potassium	mg/L	19.7	0.92	20.0	94.0	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0477	<0.0050	0.0500	95.3	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0491	<0.0050	0.0500	98.3	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Sodium	mg/L	53.4	36.0	19.0	91.2	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Sodium	mg/L	28.5	10.4	19.0	95.2	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.927	<0.0050	1.00	92.7	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.944	<0.0050	1.00	94.4	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.959	<0.0100	1.00	95.9	70 - 130	X504030 - X5A0108-01	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.964	<0.0100	1.00	96.4	70 - 130	X504030 - X5A0108-03	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0247	<0.00100	0.0250	98.9	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0235	<0.00100	0.0250	94.0	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Selenium	mg/L	0.0231	<0.00100	0.0250	90.1	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Thallium	mg/L	0.0243	<0.000200	0.0250	97.4	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Uranium	mg/L	0.0246	0.000281	0.0250	97.1	70 - 130	X503156 - X5A0148-01	28-Jan-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X505042 - X5A0148-01	28-Jan-25	
EPA 245.1	Mercury	mg/L	0.00210	<0.000200	0.00200	105	70 - 130	X505042 - X5A0214-02	28-Jan-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	0.0051	0.100	99.4	79 - 121	X504097 - X5A0108-01	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0962	<0.0050	0.100	96.2	90 - 110	X504004 - X5A0150-02	21-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X504004 - X5A0150-01	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.17	<0.030	1.00	117	90 - 110	X503071 - X5A0097-02	16-Jan-25	M1
EPA 350.1	Ammonia as N	mg/L	1.17	<0.030	1.00	115	90 - 110	X503071 - X5A0097-01	16-Jan-25	M1
OIA 1677	Cyanide (WAD)	mg/L	0.0947	<0.0050	0.100	92.4	82 - 118	X504001 - X5A0108-01	19-Jan-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.20	0.23	3.00	99.0	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Fluoride	mg/L	2.23	0.222	2.00	101	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.99	<0.050	2.00	99.5	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.99	<0.100	4.00	99.7	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	99.9	90 - 110	X503037 - X5A0148-02	14-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	12.2	1.76	10.0	104	90 - 110	X503037 - X5A0148-02	14-Jan-25	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	77.1	79.9	20.0	3.0	20	103	X503129 - X5A0145-01	
EPA 200.7	Magnesium	mg/L	34.0	35.6	20.0	4.5	20	101	X503129 - X5A0145-01	
EPA 200.7	Potassium	mg/L	21.1	22.1	20.0	4.4	20	98.0	X503129 - X5A0145-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.956	0.998	1.00	4.4	20	95.6	X504030 - X5A0108-01	

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0150**
Reported: 28-Jan-25 16:55

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Barium	mg/L	0.988	1.02	1.00	3.0	20	88.4	X504030 - X5A0108-01	
EPA 200.7	Beryllium	mg/L	0.893	0.932	1.00	4.4	20	89.3	X504030 - X5A0108-01	
EPA 200.7	Boron	mg/L	0.968	0.985	1.00	1.7	20	94.1	X504030 - X5A0108-01	
EPA 200.7	Cadmium	mg/L	0.938	0.975	1.00	3.9	20	93.8	X504030 - X5A0108-01	
EPA 200.7	Calcium	mg/L	47.4	49.3	20.0	3.9	20	83.0	X504030 - X5A0108-01	
EPA 200.7	Chromium	mg/L	0.884	0.918	1.00	3.8	20	88.4	X504030 - X5A0108-01	
EPA 200.7	Cobalt	mg/L	0.904	0.940	1.00	3.9	20	90.4	X504030 - X5A0108-01	
EPA 200.7	Copper	mg/L	0.875	0.905	1.00	3.3	20	87.5	X504030 - X5A0108-01	
EPA 200.7	Iron	mg/L	9.52	10.0	10.0	5.1	20	94.5	X504030 - X5A0108-01	
EPA 200.7	Lead	mg/L	0.903	0.942	1.00	4.2	20	90.3	X504030 - X5A0108-01	
EPA 200.7	Lithium	mg/L	0.922	0.949	1.00	2.9	20	92.2	X504030 - X5A0108-01	
EPA 200.7	Magnesium	mg/L	30.6	32.0	20.0	4.3	20	90.1	X504030 - X5A0108-01	
EPA 200.7	Manganese	mg/L	0.944	0.987	1.00	4.5	20	87.6	X504030 - X5A0108-01	
EPA 200.7	Molybdenum	mg/L	0.939	0.973	1.00	3.6	20	92.9	X504030 - X5A0108-01	
EPA 200.7	Nickel	mg/L	0.898	0.933	1.00	3.9	20	89.8	X504030 - X5A0108-01	
EPA 200.7	Potassium	mg/L	19.1	20.2	20.0	5.7	20	89.9	X504030 - X5A0108-01	
EPA 200.7	Silver	mg/L	0.0471	0.0477	0.0500	1.3	20	94.1	X504030 - X5A0108-01	
EPA 200.7	Sodium	mg/L	51.3	53.4	19.0	3.9	20	80.4	X504030 - X5A0108-01	
EPA 200.7	Vanadium	mg/L	0.895	0.927	1.00	3.6	20	89.5	X504030 - X5A0108-01	
EPA 200.7	Zinc	mg/L	0.919	0.959	1.00	4.3	20	91.9	X504030 - X5A0108-01	
EPA 200.8	Antimony	mg/L	0.0249	0.0247	0.0250	0.9	20	99.7	X503156 - X5A0148-01	
EPA 200.8	Arsenic	mg/L	0.0239	0.0235	0.0250	1.5	20	95.5	X503156 - X5A0148-01	
EPA 200.8	Selenium	mg/L	0.0226	0.0231	0.0250	1.9	20	88.4	X503156 - X5A0148-01	
EPA 200.8	Thallium	mg/L	0.0234	0.0243	0.0250	3.9	20	93.7	X503156 - X5A0148-01	
EPA 200.8	Uranium	mg/L	0.0239	0.0246	0.0250	2.6	20	94.5	X503156 - X5A0148-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00218	0.00212	0.00200	2.9	20	109	X505042 - X5A0148-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.106	0.105	0.100	1.4	11	101	X504097 - X5A0108-01	
EPA 335.4	Cyanide (total)	mg/L	0.0996	0.0962	0.100	3.5	20	99.6	X504004 - X5A0150-02	
EPA 350.1	Ammonia as N	mg/L	1.19	1.17	1.00	1.8	20	119	X503071 - X5A0097-02	M1
OIA 1677	Cyanide (WAD)	mg/L	0.0994	0.0947	0.100	4.8	11	97.1	X504001 - X5A0108-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.22	3.20	3.00	0.7	20	99.7	X503037 - X5A0148-02	
EPA 300.0	Fluoride	mg/L	2.25	2.23	2.00	0.8	20	102	X503037 - X5A0148-02	
EPA 300.0	Nitrate as N	mg/L	2.00	1.99	2.00	0.4	20	99.8	X503037 - X5A0148-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.01	3.99	4.00	0.6	20	100	X503037 - X5A0148-02	
EPA 300.0	Nitrite as N	mg/L	2.01	2.00	2.00	0.8	20	101	X503037 - X5A0148-02	
EPA 300.0	Sulfate as SO4	mg/L	12.3	12.2	10.0	0.9	20	106	X503037 - X5A0148-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0150**
Victor, CO 80860	Reported: 28-Jan-25 16:55

Notes and Definitions

D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
Q24	COC was not relinquished by the client or an agent of the client.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0169**
Victor, CO 80860	Reported: 29-Jan-25 15:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-4A	X5A0169-01	Ground Water	14-Jan-25 12:52	JC	15-Jan-2025	
GVMW-37B	X5A0169-02	Ground Water	14-Jan-25 09:25	JC	15-Jan-2025	
GVMW-37A	X5A0169-03	Ground Water	14-Jan-25 10:39	JC	15-Jan-2025	

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: X5A0169

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X5A0169-01 (Ground Water)**

Sampled: 14-Jan-25 12:52
Received: 15-Jan-25
Sampled By: JC

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**	18.5	mg/L	0.100	0.069		X503129	SJN	01/20/25 14:40	
EPA 200.7	**Magnesium**	11.3	mg/L	0.500	0.090		X503129	SJN	01/20/25 14:40	
EPA 200.7	**Potassium**	1.27	mg/L	0.50	0.18		X503129	SJN	01/20/25 14:40	
SM 2340 B	**Hardness (as CaCO3)**	92.9	mg/L	2.31	0.543		N/A		01/22/25 11:41	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504031	NMS	01/22/25 11:41	
EPA 200.7	**Barium**	0.165	mg/L	0.0020	0.0019		X504031	NMS	01/22/25 11:41	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504031	NMS	01/22/25 11:41	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504031	NMS	01/22/25 11:41	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504031	NMS	01/22/25 11:41	
EPA 200.7	**Calcium**	19.3	mg/L	0.100	0.069		X504031	NMS	01/22/25 11:41	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504031	NMS	01/22/25 11:41	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504031	NMS	01/22/25 11:41	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504031	NMS	01/22/25 11:41	
EPA 200.7	**Iron**	7.94	mg/L	0.100	0.056		X504031	NMS	01/22/25 11:41	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504031	NMS	01/22/25 11:41	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504031	NMS	01/22/25 11:41	
EPA 200.7	**Magnesium**	12.1	mg/L	0.500	0.090		X504031	NMS	01/22/25 11:41	
EPA 200.7	**Manganese**	2.00	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 11:41	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 11:41	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504031	NMS	01/22/25 11:41	
EPA 200.7	**Potassium**	1.17	mg/L	0.50	0.18		X504031	NMS	01/22/25 11:41	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 11:41	
EPA 200.7	**Sodium**	9.74	mg/L	0.50	0.12		X504031	NMS	01/22/25 11:41	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 11:41	
EPA 200.7	**Zinc**	0.0148	mg/L	0.0100	0.0054		X504031	NMS	01/22/25 11:41	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X503156	JRR	01/28/25 13:09	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X503156	JRR	01/28/25 13:09	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X503156	JRR	01/28/25 13:09	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X503156	JRR	01/28/25 13:09	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X503156	JRR	01/28/25 13:09	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505043	MAC	01/28/25 16:29	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:51	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:24	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X504053	JPM	01/22/25 10:10	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X504001	DD	01/19/25 16:00	
SM 2310 B	**Acidity to pH 8.3**	-60.5	mg/L as CaCO3	10.0			X505019	MWD	01/27/25 09:20	
SM 2320 B	**Total Alkalinity**	58.1	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:32	
SM 2320 B	**Bicarbonate**	58.1	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:32	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:32	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:32	
SM 2540 C	**Total Diss. Solids**	193	mg/L	10			X503106	TJL	01/17/25 13:15	
SM 2540 D	**Total Susp. Solids**	5.0	mg/L	5.0			X503107	TJL	01/20/25 11:55	
SM 4500 H B	**pH @20.8°C**	6.8	pH Units				X503151	MWD	01/17/25 18:32	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X5A0169-01 (Ground Water)**

Sampled: 14-Jan-25 12:52
Received: 15-Jan-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.07	mg/L	0.20	0.02		X503086	RS	01/15/25 10:46	
EPA 300.0	**Fluoride**	0.154	mg/L	0.100	0.017		X503086	RS	01/15/25 10:46	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X503086	RS	01/15/25 10:46	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X503086	RS	01/15/25 10:46	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503086	RS	01/15/25 10:46	
EPA 300.0	**Sulfate as SO4**	65.5	mg/L	3.00	1.80	10	X503086	RS	01/15/25 11:01	M4

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.68 meq/L Anion Sum: 2.68 meq/L C/A Balance: -0.03 % Calculated TDS: 147 TDS/cTDS: 1.31

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

Client Sample ID: **GVMW-37B**
SVL Sample ID: **X5A0169-02 (Ground Water)**

Sampled: 14-Jan-25 09:25
Received: 15-Jan-25
Sampled By: JC

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**	52.7	mg/L	0.100	0.069		X503129	SJN	01/20/25 14:44	
EPA 200.7	**Magnesium**	8.74	mg/L	0.500	0.090		X503129	SJN	01/20/25 14:44	
EPA 200.7	**Potassium**	1.25	mg/L	0.50	0.18		X503129	SJN	01/20/25 14:44	
SM 2340 B	**Hardness (as CaCO3)**	168	mg/L	2.31	0.543		N/A		01/22/25 11:45	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504031	NMS	01/22/25 11:45	
EPA 200.7	**Barium**	0.0776	mg/L	0.0020	0.0019		X504031	NMS	01/22/25 11:45	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504031	NMS	01/22/25 11:45	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504031	NMS	01/22/25 11:45	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504031	NMS	01/22/25 11:45	
EPA 200.7	**Calcium**	55.2	mg/L	0.100	0.069		X504031	NMS	01/22/25 11:45	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504031	NMS	01/22/25 11:45	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504031	NMS	01/22/25 11:45	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504031	NMS	01/22/25 11:45	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504031	NMS	01/22/25 11:45	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504031	NMS	01/22/25 11:45	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504031	NMS	01/22/25 11:45	
EPA 200.7	**Magnesium**	9.23	mg/L	0.500	0.090		X504031	NMS	01/22/25 11:45	
EPA 200.7	**Manganese**	0.0549	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 11:45	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 11:45	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504031	NMS	01/22/25 11:45	
EPA 200.7	**Potassium**	1.20	mg/L	0.50	0.18		X504031	NMS	01/22/25 11:45	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 11:45	
EPA 200.7	**Sodium**	31.3	mg/L	0.50	0.12		X504031	NMS	01/22/25 11:45	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 11:45	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504031	NMS	01/22/25 11:45	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X503156	JRR	01/28/25 13:12	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X503156	JRR	01/28/25 13:12	
EPA 200.8	**Selenium**	0.00155	mg/L	0.00100	0.00024		X503156	JRR	01/28/25 13:12	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X503156	JRR	01/28/25 13:12	
EPA 200.8	**Uranium**	0.00262	mg/L	0.000100	0.000052		X503156	JRR	01/28/25 13:12	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505043	MAC	01/28/25 16:31	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:52	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:25	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X504053	JPM	01/22/25 10:12	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X504001	DD	01/19/25 16:02	
SM 2310 B	**Acidity to pH 8.3**	-116	mg/L as CaCO3	10.0			X505019	MWD	01/27/25 09:20	
SM 2320 B	**Total Alkalinity**	113	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:38	
SM 2320 B	**Bicarbonate**	113	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:38	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:38	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:38	
SM 2540 C	**Total Diss. Solids**	288	mg/L	10			X503106	TJL	01/17/25 13:15	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X503107	TJL	01/20/25 11:55	
SM 4500 H B	**pH @20.7°C**	7.8	pH Units				X503151	MWD	01/17/25 18:38	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

Client Sample ID: **GVMW-37B**
SVL Sample ID: **X5A0169-02 (Ground Water)**

Sampled: 14-Jan-25 09:25
Received: 15-Jan-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.05	mg/L	0.20	0.02		X503086	RS	01/15/25 15:36	
EPA 300.0	**Fluoride**	1.96	mg/L	0.100	0.017		X503086	RS	01/15/25 15:36	
EPA 300.0	**Nitrate as N**	1.08	mg/L	0.050	0.013		X503086	RS	01/15/25 15:36	
EPA 300.0	**Nitrate+Nitrite as N**	1.11	mg/L	0.100	0.044		X503086	RS	01/15/25 15:36	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503086	RS	01/15/25 15:36	
EPA 300.0	**Sulfate as SO4**	113	mg/L	3.00	1.80	10	X503086	RS	01/15/25 15:52	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.76 meq/L Anion Sum: 4.91 meq/L C/A Balance: -1.55 % Calculated TDS: 287 TDS/cTDS: 1.00

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

Client Sample ID: **GVMW-37A**
SVL Sample ID: **X5A0169-03 (Ground Water)**

Sampled: 14-Jan-25 10:39
Received: 15-Jan-25
Sampled By: JC

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**	56.7	mg/L	0.100	0.069		X503129	SJN	01/20/25 14:48	
EPA 200.7	**Magnesium**	13.1	mg/L	0.500	0.090		X503129	SJN	01/20/25 14:48	
EPA 200.7	**Potassium**	3.18	mg/L	0.50	0.18		X503129	SJN	01/20/25 14:48	
SM 2340 B	**Hardness (as CaCO3)**	204	mg/L	2.31	0.543		N/A		01/20/25 14:48	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504031	NMS	01/22/25 11:49	
EPA 200.7	**Barium**	0.0803	mg/L	0.0020	0.0019		X504031	NMS	01/22/25 11:49	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504031	NMS	01/22/25 11:49	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504031	NMS	01/22/25 11:49	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504031	NMS	01/22/25 11:49	
EPA 200.7	**Calcium**	58.8	mg/L	0.100	0.069		X504031	NMS	01/22/25 11:49	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504031	NMS	01/22/25 11:49	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504031	NMS	01/22/25 11:49	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504031	NMS	01/22/25 11:49	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504031	NMS	01/22/25 11:49	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504031	NMS	01/22/25 11:49	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504031	NMS	01/22/25 11:49	
EPA 200.7	**Magnesium**	13.8	mg/L	0.500	0.090		X504031	NMS	01/22/25 11:49	
EPA 200.7	**Manganese**	0.129	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 11:49	
EPA 200.7	**Molybdenum**	0.0189	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 11:49	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504031	NMS	01/22/25 11:49	
EPA 200.7	**Potassium**	3.04	mg/L	0.50	0.18		X504031	NMS	01/22/25 11:49	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 11:49	
EPA 200.7	**Sodium**	36.7	mg/L	0.50	0.12		X504031	NMS	01/22/25 11:49	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 11:49	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504031	NMS	01/22/25 11:49	
EPA 200.8	**Antimony**	0.00152	mg/L	0.00100	0.00072		X503156	JRR	01/28/25 13:22	
EPA 200.8	Arsenic	< 0.00500	mg/L	0.00500	0.00105	5	X503156	JRR	01/28/25 13:38	D17
EPA 200.8	Selenium	< 0.00500	mg/L	0.00500	0.00120	5	X503156	JRR	01/28/25 13:38	D17
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X503156	JRR	01/28/25 13:38	D17
EPA 200.8	**Uranium**	0.00348	mg/L	0.000500	0.000260	5	X503156	JRR	01/28/25 13:38	D17
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505043	MAC	01/28/25 16:37	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 11:54	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:28	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X504053	JPM	01/22/25 10:22	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X505079	DD	01/28/25 13:38	
SM 2310 B	**Acidity to pH 8.3**	-88.2	mg/L as CaCO3	10.0			X505019	MWD	01/27/25 09:20	
SM 2320 B	**Total Alkalinity**	83.8	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:46	
SM 2320 B	**Bicarbonate**	83.8	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:46	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:46	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X503151	MWD	01/17/25 18:46	
SM 2540 C	**Total Diss. Solids**	370	mg/L	10			X503106	TJL	01/17/25 13:15	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X503107	TJL	01/20/25 11:55	
SM 4500 H B	**pH @20.5°C**	8.3	pH Units				X503151	MWD	01/17/25 18:46	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

Client Sample ID: **GVMW-37A**
SVL Sample ID: **X5A0169-03 (Ground Water)**

Sampled: 14-Jan-25 10:39
Received: 15-Jan-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.81	mg/L	0.20	0.02		X503086	RS	01/15/25 17:28	
EPA 300.0	**Fluoride**	1.45	mg/L	0.100	0.017		X503086	RS	01/15/25 17:28	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X503086	RS	01/15/25 17:28	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X503086	RS	01/15/25 17:28	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503086	RS	01/15/25 17:28	
EPA 300.0	**Sulfate as SO4**	198	mg/L	3.00	1.80	10	X503086	RS	01/15/25 17:43	

Cation/Anion Balance and TDS Ratios

Cation Sum: 5.60 meq/L Anion Sum: 5.98 meq/L C/A Balance: -3.31 % Calculated TDS: 365 TDS/cTDS: 1.01

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

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	X503129	20-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X503129	20-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X503129	20-Jan-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X504031	22-Jan-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X504031	22-Jan-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X504031	22-Jan-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X504031	22-Jan-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X504031	22-Jan-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X504031	22-Jan-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X504031	22-Jan-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X504031	22-Jan-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X504031	22-Jan-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X504031	22-Jan-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X504031	22-Jan-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X504031	22-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X504031	22-Jan-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X504031	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X504031	22-Jan-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X504031	22-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X504031	22-Jan-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X504031	22-Jan-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X504031	22-Jan-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X504031	22-Jan-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X504031	22-Jan-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X503156	28-Jan-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X505043	28-Jan-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X504053	22-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X504001	19-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X505079	28-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X505019	27-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X503151	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X503106	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X503107	20-Jan-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X503086	15-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X503086	15-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X503086	15-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X503086	15-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X503086	15-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X503086	15-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

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	19.6	20.0	98	85 - 115	X503129	20-Jan-25	
EPA 200.7	Magnesium	mg/L	19.7	20.0	98.6	85 - 115	X503129	20-Jan-25	
EPA 200.7	Potassium	mg/L	19.9	20.0	99.4	85 - 115	X503129	20-Jan-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.04	1.00	104	85 - 115	X504031	22-Jan-25	
EPA 200.7	Barium	mg/L	0.963	1.00	96.3	85 - 115	X504031	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.975	1.00	97.5	85 - 115	X504031	22-Jan-25	
EPA 200.7	Boron	mg/L	0.965	1.00	96.5	85 - 115	X504031	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.977	1.00	97.7	85 - 115	X504031	22-Jan-25	
EPA 200.7	Calcium	mg/L	20.9	20.0	105	85 - 115	X504031	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.971	1.00	97.1	85 - 115	X504031	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.965	1.00	96.5	85 - 115	X504031	22-Jan-25	
EPA 200.7	Copper	mg/L	0.959	1.00	95.9	85 - 115	X504031	22-Jan-25	
EPA 200.7	Iron	mg/L	10.5	10.0	105	85 - 115	X504031	22-Jan-25	
EPA 200.7	Lead	mg/L	0.964	1.00	96.4	85 - 115	X504031	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.982	1.00	98.2	85 - 115	X504031	22-Jan-25	
EPA 200.7	Magnesium	mg/L	21.1	20.0	105	85 - 115	X504031	22-Jan-25	
EPA 200.7	Manganese	mg/L	0.968	1.00	96.8	85 - 115	X504031	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.989	1.00	98.9	85 - 115	X504031	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.959	1.00	95.9	85 - 115	X504031	22-Jan-25	
EPA 200.7	Potassium	mg/L	19.8	20.0	99.2	85 - 115	X504031	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0503	0.0500	101	85 - 115	X504031	22-Jan-25	
EPA 200.7	Sodium	mg/L	19.3	19.0	102	85 - 115	X504031	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.978	1.00	97.8	85 - 115	X504031	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.961	1.00	96.1	85 - 115	X504031	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0252	0.0250	101	85 - 115	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0231	0.0250	92.4	85 - 115	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	0.0224	0.0250	89.5	85 - 115	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	0.0249	0.0250	99.6	85 - 115	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	0.0245	0.0250	97.9	85 - 115	X503156	28-Jan-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00210	0.00200	105	85 - 115	X505043	28-Jan-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0955	0.100	95.5	90 - 110	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.05	1.00	105	90 - 110	X504053	22-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X504001	19-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0998	0.100	99.8	90 - 110	X505079	28-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	94 - 106	X503151	17-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X503151	17-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	413	397	104	94 - 106	X503151	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X503107	20-Jan-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.96	3.00	98.8	90 - 110	X503086	15-Jan-25	
EPA 300.0	Fluoride	mg/L	1.98	2.00	99.1	90 - 110	X503086	15-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.96	2.00	97.9	90 - 110	X503086	15-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.54	4.50	101	90 - 110	X503086	15-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.58	2.50	103	90 - 110	X503086	15-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X503086	15-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

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	<10.0	<10.0	UDL	20	X505019 - X5A0169-01	27-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	147	144	2.4	20	X503151 - X5A0115-02	17-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	147	144	2.4	20	X503151 - X5A0115-02	17-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X503151 - X5A0115-02	17-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X503151 - X5A0115-02	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	285	288	1.1	10	X503106 - X5A0169-02	17-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	625	627	0.3	10	X503106 - X5A0172-04	17-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X503107 - X5A0172-04	20-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X503107 - X5A0169-02	20-Jan-25	
SM 4500 H B	pH @20.7°C	pH Units	7.8	7.9	0.4	20	X503151 - X5A0115-02	17-Jan-25	

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	79.9	56.6	20.0	117	70 - 130	X503129 - X5A0145-01	20-Jan-25	
EPA 200.7	Calcium	mg/L	59.5	40.7	20.0	94	70 - 130	X503129 - X5A0159-01	20-Jan-25	
EPA 200.7	Magnesium	mg/L	35.6	13.8	20.0	109	70 - 130	X503129 - X5A0145-01	20-Jan-25	
EPA 200.7	Magnesium	mg/L	35.3	15.3	20.0	100	70 - 130	X503129 - X5A0159-01	20-Jan-25	
EPA 200.7	Potassium	mg/L	22.1	1.52	20.0	103	70 - 130	X503129 - X5A0145-01	20-Jan-25	
EPA 200.7	Potassium	mg/L	23.3	3.07	20.0	101	70 - 130	X503129 - X5A0159-01	20-Jan-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	<0.080	1.00	102	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Aluminum	mg/L	1.06	<0.080	1.00	106	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Barium	mg/L	1.13	0.165	1.00	96.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Barium	mg/L	1.05	0.0671	1.00	98.7	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.972	<0.00200	1.00	97.2	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.991	<0.00200	1.00	99.1	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Boron	mg/L	0.987	<0.0400	1.00	98.7	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Boron	mg/L	1.07	0.0479	1.00	103	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.997	<0.0020	1.00	99.7	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Calcium	mg/L	40.2	19.3	20.0	105	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Calcium	mg/L	293	263	20.0	0.30R>S	70 - 130	X504031 - X5A0216-03	22-Jan-25	M3
EPA 200.7	Chromium	mg/L	0.972	<0.0060	1.00	97.2	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.972	<0.0060	1.00	97.2	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.975	<0.0060	1.00	97.0	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.980	<0.0060	1.00	98.0	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Copper	mg/L	0.949	<0.0100	1.00	94.9	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Copper	mg/L	0.973	<0.0100	1.00	97.3	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Iron	mg/L	18.5	7.94	10.0	106	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Iron	mg/L	10.6	<0.100	10.0	106	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Lead	mg/L	0.976	<0.0075	1.00	97.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Lead	mg/L	0.977	<0.0075	1.00	97.7	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.996	<0.040	1.00	99.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	101	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Magnesium	mg/L	33.1	12.1	20.0	105	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Magnesium	mg/L	120	94.4	20.0	127	70 - 130	X504031 - X5A0216-03	22-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

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	2.95	2.00	1.00	95.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Manganese	mg/L	0.984	<0.0080	1.00	98.4	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.988	<0.0080	1.00	98.8	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	1.07	0.0326	1.00	104	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.966	<0.0100	1.00	96.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.969	<0.0100	1.00	96.9	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Potassium	mg/L	21.4	1.17	20.0	101	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Potassium	mg/L	34.2	13.0	20.0	106	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0512	<0.0050	0.0500	102	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0485	<0.0050	0.0500	97.0	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Sodium	mg/L	29.2	9.74	19.0	102	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Sodium	mg/L	90.8	68.7	19.0	116	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.976	<0.0050	1.00	97.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.997	<0.0050	1.00	99.5	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.999	0.0148	1.00	98.4	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.995	<0.0100	1.00	99.5	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0247	<0.00100	0.0250	98.9	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0235	<0.00100	0.0250	94.0	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Selenium	mg/L	0.0231	<0.00100	0.0250	90.1	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Thallium	mg/L	0.0243	<0.000200	0.0250	97.4	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Uranium	mg/L	0.0246	0.000281	0.0250	97.1	70 - 130	X503156 - X5A0148-01	28-Jan-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	105	70 - 130	X505043 - X5A0169-01	28-Jan-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	0.0051	0.100	99.4	79 - 121	X504097 - X5A0108-01	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0962	<0.0050	0.100	96.2	90 - 110	X504004 - X5A0150-02	21-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X504004 - X5A0150-01	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	104	90 - 110	X504053 - X5A0169-03	22-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X504053 - X5A0169-01	22-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0947	<0.0050	0.100	92.4	82 - 118	X504001 - X5A0108-01	19-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.111	<0.0050	0.100	111	82 - 118	X505079 - X5A0169-03	28-Jan-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.26	5.07	3.00	106	90 - 110	X503086 - X5A0169-01	15-Jan-25	
EPA 300.0	Chloride	mg/L	4.05	1.10	3.00	98.4	90 - 110	X503086 - X5A0157-02	15-Jan-25	
EPA 300.0	Fluoride	mg/L	2.14	0.154	2.00	99.2	90 - 110	X503086 - X5A0169-01	15-Jan-25	
EPA 300.0	Fluoride	mg/L	2.01	<0.100	2.00	99.0	90 - 110	X503086 - X5A0157-02	15-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.97	<0.050	2.00	98.3	90 - 110	X503086 - X5A0169-01	15-Jan-25	
EPA 300.0	Nitrate as N	mg/L	2.03	0.050	2.00	98.8	90 - 110	X503086 - X5A0157-02	15-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.96	<0.100	4.00	99.1	90 - 110	X503086 - X5A0169-01	15-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.04	<0.100	4.00	99.5	90 - 110	X503086 - X5A0157-02	15-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	99.9	90 - 110	X503086 - X5A0169-01	15-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	101	90 - 110	X503086 - X5A0157-02	15-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	74.8	65.5	10.0	93.1	90 - 110	X503086 - X5A0169-01	15-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	12.0	1.81	10.0	102	90 - 110	X503086 - X5A0157-02	15-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0169**
Reported: 29-Jan-25 15:29

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	77.1	79.9	20.0	3.0	20	103	X503129 - X5A0145-01	
EPA 200.7	Magnesium	mg/L	34.0	35.6	20.0	4.5	20	101	X503129 - X5A0145-01	
EPA 200.7	Potassium	mg/L	21.1	22.1	20.0	4.4	20	98.0	X503129 - X5A0145-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.03	1.02	1.00	0.3	20	103	X504031 - X5A0169-01	
EPA 200.7	Barium	mg/L	1.13	1.13	1.00	0.2	20	96.8	X504031 - X5A0169-01	
EPA 200.7	Beryllium	mg/L	0.976	0.972	1.00	0.4	20	97.6	X504031 - X5A0169-01	
EPA 200.7	Boron	mg/L	1.00	0.987	1.00	1.5	20	100	X504031 - X5A0169-01	
EPA 200.7	Cadmium	mg/L	1.01	0.997	1.00	1.3	20	101	X504031 - X5A0169-01	
EPA 200.7	Calcium	mg/L	39.9	40.2	20.0	0.7	20	103	X504031 - X5A0169-01	
EPA 200.7	Chromium	mg/L	0.971	0.972	1.00	0.1	20	97.1	X504031 - X5A0169-01	
EPA 200.7	Cobalt	mg/L	0.987	0.975	1.00	1.2	20	98.2	X504031 - X5A0169-01	
EPA 200.7	Copper	mg/L	0.961	0.949	1.00	1.3	20	96.1	X504031 - X5A0169-01	
EPA 200.7	Iron	mg/L	18.4	18.5	10.0	0.7	20	104	X504031 - X5A0169-01	
EPA 200.7	Lead	mg/L	0.983	0.976	1.00	0.7	20	98.3	X504031 - X5A0169-01	
EPA 200.7	Lithium	mg/L	0.995	0.996	1.00	0.1	20	99.5	X504031 - X5A0169-01	
EPA 200.7	Magnesium	mg/L	32.8	33.1	20.0	1.1	20	104	X504031 - X5A0169-01	
EPA 200.7	Manganese	mg/L	2.92	2.95	1.00	1.0	20	92.8	X504031 - X5A0169-01	
EPA 200.7	Molybdenum	mg/L	1.01	0.988	1.00	1.7	20	101	X504031 - X5A0169-01	
EPA 200.7	Nickel	mg/L	0.979	0.966	1.00	1.3	20	97.9	X504031 - X5A0169-01	
EPA 200.7	Potassium	mg/L	21.0	21.4	20.0	1.6	20	99.3	X504031 - X5A0169-01	
EPA 200.7	Silver	mg/L	0.0518	0.0512	0.0500	1.0	20	104	X504031 - X5A0169-01	
EPA 200.7	Sodium	mg/L	29.0	29.2	19.0	0.9	20	101	X504031 - X5A0169-01	
EPA 200.7	Vanadium	mg/L	0.983	0.976	1.00	0.7	20	98.3	X504031 - X5A0169-01	
EPA 200.7	Zinc	mg/L	1.01	0.999	1.00	0.9	20	99.3	X504031 - X5A0169-01	
EPA 200.8	Antimony	mg/L	0.0249	0.0247	0.0250	0.9	20	99.7	X503156 - X5A0148-01	
EPA 200.8	Arsenic	mg/L	0.0239	0.0235	0.0250	1.5	20	95.5	X503156 - X5A0148-01	
EPA 200.8	Selenium	mg/L	0.0226	0.0231	0.0250	1.9	20	88.4	X503156 - X5A0148-01	
EPA 200.8	Thallium	mg/L	0.0234	0.0243	0.0250	3.9	20	93.7	X503156 - X5A0148-01	
EPA 200.8	Uranium	mg/L	0.0239	0.0246	0.0250	2.6	20	94.5	X503156 - X5A0148-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00212	0.00211	0.00200	0.5	20	106	X505043 - X5A0169-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.106	0.105	0.100	1.4	11	101	X504097 - X5A0108-01	
EPA 335.4	Cyanide (total)	mg/L	0.0996	0.0962	0.100	3.5	20	99.6	X504004 - X5A0150-02	
EPA 350.1	Ammonia as N	mg/L	1.03	1.06	1.00	2.7	20	101	X504053 - X5A0169-03	
OIA 1677	Cyanide (WAD)	mg/L	0.0994	0.0947	0.100	4.8	11	97.1	X504001 - X5A0108-01	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.111	0.100	6.9	11	104	X505079 - X5A0169-03	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.26	8.26	3.00	0.0	20	106	X503086 - X5A0169-01	
EPA 300.0	Fluoride	mg/L	2.18	2.14	2.00	1.7	20	101	X503086 - X5A0169-01	
EPA 300.0	Nitrate as N	mg/L	2.02	1.97	2.00	2.5	20	101	X503086 - X5A0169-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.07	3.96	4.00	2.6	20	102	X503086 - X5A0169-01	
EPA 300.0	Nitrite as N	mg/L	2.05	2.00	2.00	2.7	20	103	X503086 - X5A0169-01	
EPA 300.0	Sulfate as SO4	mg/L	73.7	74.8	10.0	1.5	20	0.30R>S	X503086 - X5A0169-01	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0169**
Victor, CO 80860	Reported: 29-Jan-25 15:29

Notes and Definitions

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

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0198**
Victor, CO 80860	Reported: 29-Jan-25 15:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-8A	X5A0198-01	Ground Water	15-Jan-25 12:34	TR	16-Jan-2025	

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: X5A0198

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0198**
Reported: 29-Jan-25 15:40

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X5A0198-01 (Ground Water)**

Sampled: 15-Jan-25 12:34
Received: 16-Jan-25
Sampled By: TR

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**	52.1	mg/L	0.100	0.069		X503162	SJN	01/21/25 11:35	
EPA 200.7	**Magnesium**	6.98	mg/L	0.500	0.090		X503162	SJN	01/21/25 11:35	
EPA 200.7	**Potassium**	0.90	mg/L	0.50	0.18		X503162	SJN	01/21/25 11:35	
SM 2340 B	**Hardness (as CaCO3)**	159	mg/L	2.31	0.543		N/A		01/22/25 11:53	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504031	NMS	01/22/25 11:53	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X504031	NMS	01/22/25 11:53	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504031	NMS	01/22/25 11:53	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504031	NMS	01/22/25 11:53	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504031	NMS	01/22/25 11:53	
EPA 200.7	**Calcium**	52.2	mg/L	0.100	0.069		X504031	NMS	01/22/25 11:53	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504031	NMS	01/22/25 11:53	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504031	NMS	01/22/25 11:53	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504031	NMS	01/22/25 11:53	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504031	NMS	01/22/25 11:53	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504031	NMS	01/22/25 11:53	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504031	NMS	01/22/25 11:53	
EPA 200.7	**Magnesium**	6.95	mg/L	0.500	0.090		X504031	NMS	01/22/25 11:53	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 11:53	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 11:53	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504031	NMS	01/22/25 11:53	
EPA 200.7	**Potassium**	0.74	mg/L	0.50	0.18		X504031	NMS	01/22/25 11:53	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 11:53	
EPA 200.7	**Sodium**	25.1	mg/L	0.50	0.12		X504031	NMS	01/22/25 11:53	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 11:53	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504031	NMS	01/22/25 11:53	
EPA 200.8	Antimony	< 0.00500	mg/L	0.00500	0.00360	5	X503156	JRR	01/28/25 13:41	D17
EPA 200.8	Arsenic	< 0.00500	mg/L	0.00500	0.00105	5	X503156	JRR	01/28/25 13:41	D17
EPA 200.8	Selenium	< 0.00500	mg/L	0.00500	0.00120	5	X503156	JRR	01/28/25 13:41	D17
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X503156	JRR	01/28/25 13:41	D17
EPA 200.8	**Uranium**	0.00455	mg/L	0.000500	0.000260	5	X503156	JRR	01/28/25 13:41	D17
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505043	MAC	01/28/25 16:39	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504097	DD	01/27/25 12:12	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:44	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X504053	JPM	01/22/25 10:36	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X505079	DD	01/28/25 13:40	
SM 2310 B	**Acidity to pH 8.3**	-51.2	mg/L as CaCO3	10.0			X505019	MWD	01/27/25 09:20	
SM 2320 B	**Total Alkalinity**	50.6	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:26	
SM 2320 B	**Bicarbonate**	50.6	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:26	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:26	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:26	
SM 2540 C	**Total Diss. Solids**	250	mg/L	10			X503146	TJL	01/20/25 13:10	
SM 2540 D	**Total Susp. Solids**	6.0	mg/L	5.0			X503147	TJL	01/20/25 12:10	
SM 4500 H B	**pH @19.6°C**	7.2	pH Units				X504154	MWD	01/24/25 13:26	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0198**
Reported: 29-Jan-25 15:40

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X5A0198-01 (Ground Water)**

Sampled: 15-Jan-25 12:34
Received: 16-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	56.8	mg/L	2.00	0.22	10	X503142	RS	01/17/25 10:48	M4
EPA 300.0	**Fluoride**	2.16	mg/L	0.100	0.017		X503142	RS	01/17/25 10:33	
EPA 300.0	**Nitrate as N**	1.07	mg/L	0.050	0.013		X503142	RS	01/17/25 10:33	
EPA 300.0	**Nitrate+Nitrite as N**	1.08	mg/L	0.100	0.044		X503142	RS	01/17/25 10:33	M2,R2B
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503142	RS	01/17/25 10:33	M2,R2B
EPA 300.0	**Sulfate as SO4**	62.7	mg/L	3.00	1.80	10	X503142	RS	01/17/25 10:48	M4
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.30 meq/L Anion Sum: 4.11 meq/L C/A Balance: 2.21 % Calculated TDS: 242 TDS/cTDS: 1.03

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0198**
Reported: 29-Jan-25 15:40

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	X503162	21-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X503162	21-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X503162	21-Jan-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X504031	22-Jan-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X504031	22-Jan-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X504031	22-Jan-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X504031	22-Jan-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X504031	22-Jan-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X504031	22-Jan-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X504031	22-Jan-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X504031	22-Jan-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X504031	22-Jan-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X504031	22-Jan-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X504031	22-Jan-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X504031	22-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X504031	22-Jan-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X504031	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X504031	22-Jan-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X504031	22-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X504031	22-Jan-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X504031	22-Jan-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X504031	22-Jan-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X504031	22-Jan-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X504031	22-Jan-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X503156	28-Jan-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X505043	28-Jan-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X504053	22-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X505079	28-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X505019	27-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X503146	20-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X503147	20-Jan-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X503142	17-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X503142	17-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X503142	17-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X503142	17-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X503142	17-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X503142	17-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0198**
Reported: 29-Jan-25 15:40

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	19.6	20.0	98	85 - 115	X503162	21-Jan-25	
EPA 200.7	Magnesium	mg/L	19.8	20.0	99.1	85 - 115	X503162	21-Jan-25	
EPA 200.7	Potassium	mg/L	20.0	20.0	100	85 - 115	X503162	21-Jan-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.04	1.00	104	85 - 115	X504031	22-Jan-25	
EPA 200.7	Barium	mg/L	0.963	1.00	96.3	85 - 115	X504031	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.975	1.00	97.5	85 - 115	X504031	22-Jan-25	
EPA 200.7	Boron	mg/L	0.965	1.00	96.5	85 - 115	X504031	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.977	1.00	97.7	85 - 115	X504031	22-Jan-25	
EPA 200.7	Calcium	mg/L	20.9	20.0	105	85 - 115	X504031	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.971	1.00	97.1	85 - 115	X504031	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.965	1.00	96.5	85 - 115	X504031	22-Jan-25	
EPA 200.7	Copper	mg/L	0.959	1.00	95.9	85 - 115	X504031	22-Jan-25	
EPA 200.7	Iron	mg/L	10.5	10.0	105	85 - 115	X504031	22-Jan-25	
EPA 200.7	Lead	mg/L	0.964	1.00	96.4	85 - 115	X504031	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.982	1.00	98.2	85 - 115	X504031	22-Jan-25	
EPA 200.7	Magnesium	mg/L	21.1	20.0	105	85 - 115	X504031	22-Jan-25	
EPA 200.7	Manganese	mg/L	0.968	1.00	96.8	85 - 115	X504031	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.989	1.00	98.9	85 - 115	X504031	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.959	1.00	95.9	85 - 115	X504031	22-Jan-25	
EPA 200.7	Potassium	mg/L	19.8	20.0	99.2	85 - 115	X504031	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0503	0.0500	101	85 - 115	X504031	22-Jan-25	
EPA 200.7	Sodium	mg/L	19.3	19.0	102	85 - 115	X504031	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.978	1.00	97.8	85 - 115	X504031	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.961	1.00	96.1	85 - 115	X504031	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0252	0.0250	101	85 - 115	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0231	0.0250	92.4	85 - 115	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	0.0224	0.0250	89.5	85 - 115	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	0.0249	0.0250	99.6	85 - 115	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	0.0245	0.0250	97.9	85 - 115	X503156	28-Jan-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00210	0.00200	105	85 - 115	X505043	28-Jan-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X504097	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0955	0.100	95.5	90 - 110	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.05	1.00	105	90 - 110	X504053	22-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0998	0.100	99.8	90 - 110	X505079	28-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.3	9.93	104	94 - 106	X504154	24-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X504154	24-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X503147	20-Jan-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X503142	17-Jan-25	
EPA 300.0	Fluoride	mg/L	2.08	2.00	104	90 - 110	X503142	17-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.99	2.00	99.7	90 - 110	X503142	17-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.63	4.50	103	90 - 110	X503142	17-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.63	2.50	105	90 - 110	X503142	17-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.0	105	90 - 110	X503142	17-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0198**
Reported: 29-Jan-25 15:40

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	<10.0	<10.0	UDL	20	X505019 - X5A0169-01	27-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	194	194	0.1	20	X504154 - X5A0174-01	24-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	194	194	0.1	20	X504154 - X5A0174-01	24-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X504154 - X5A0174-01	24-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X504154 - X5A0174-01	24-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	100	96	4.1	10	X503146 - X5A0196-02	20-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	252	250	0.8	10	X503146 - X5A0198-01	20-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X503147 - X5A0196-02	20-Jan-25	
SM 4500 H B	pH @19.5°C	pH Units	7.4	7.4	0.1	20	X504154 - X5A0174-01	24-Jan-25	

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	70.0	51.7	20.0	91	70 - 130	X503162 - X5A0152-01	21-Jan-25	
EPA 200.7	Calcium	mg/L	562	540	20.0	108	70 - 130	X503162 - X5A0172-05	21-Jan-25	
EPA 200.7	Magnesium	mg/L	26.9	7.38	20.0	97.4	70 - 130	X503162 - X5A0152-01	21-Jan-25	
EPA 200.7	Magnesium	mg/L	51.5	30.4	20.0	105	70 - 130	X503162 - X5A0172-05	21-Jan-25	
EPA 200.7	Potassium	mg/L	43.4	23.9	20.0	97.6	70 - 130	X503162 - X5A0152-01	21-Jan-25	
EPA 200.7	Potassium	mg/L	55.1	32.1	20.0	115	70 - 130	X503162 - X5A0172-05	21-Jan-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	<0.080	1.00	102	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Aluminum	mg/L	1.06	<0.080	1.00	106	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Barium	mg/L	1.13	0.165	1.00	96.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Barium	mg/L	1.05	0.0671	1.00	98.7	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.972	<0.00200	1.00	97.2	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.991	<0.00200	1.00	99.1	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Boron	mg/L	0.987	<0.0400	1.00	98.7	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Boron	mg/L	1.07	0.0479	1.00	103	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.997	<0.0020	1.00	99.7	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Calcium	mg/L	40.2	19.3	20.0	105	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Calcium	mg/L	293	263	20.0	0.30R>S	70 - 130	X504031 - X5A0216-03	22-Jan-25	M3
EPA 200.7	Chromium	mg/L	0.972	<0.0060	1.00	97.2	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.972	<0.0060	1.00	97.2	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.975	<0.0060	1.00	97.0	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.980	<0.0060	1.00	98.0	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Copper	mg/L	0.949	<0.0100	1.00	94.9	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Copper	mg/L	0.973	<0.0100	1.00	97.3	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Iron	mg/L	18.5	7.94	10.0	106	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Iron	mg/L	10.6	<0.100	10.0	106	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Lead	mg/L	0.976	<0.0075	1.00	97.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Lead	mg/L	0.977	<0.0075	1.00	97.7	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.996	<0.040	1.00	99.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	101	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Magnesium	mg/L	33.1	12.1	20.0	105	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Magnesium	mg/L	120	94.4	20.0	127	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Manganese	mg/L	2.95	2.00	1.00	95.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	

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Newmont - Cripple Creek & Victor
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0198**
Reported: 29-Jan-25 15:40

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 200.7	Manganese	mg/L	0.984	<0.0080	1.00	98.4	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.988	<0.0080	1.00	98.8	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	1.07	0.0326	1.00	104	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.966	<0.0100	1.00	96.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.969	<0.0100	1.00	96.9	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Potassium	mg/L	21.4	1.17	20.0	101	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Potassium	mg/L	34.2	13.0	20.0	106	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0512	<0.0050	0.0500	102	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0485	<0.0050	0.0500	97.0	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Sodium	mg/L	29.2	9.74	19.0	102	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Sodium	mg/L	90.8	68.7	19.0	116	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.976	<0.0050	1.00	97.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.997	<0.0050	1.00	99.5	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.999	0.0148	1.00	98.4	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.995	<0.0100	1.00	99.5	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0247	<0.00100	0.0250	98.9	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0235	<0.00100	0.0250	94.0	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Selenium	mg/L	0.0231	<0.00100	0.0250	90.1	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Thallium	mg/L	0.0243	<0.000200	0.0250	97.4	70 - 130	X503156 - X5A0148-01	28-Jan-25	
EPA 200.8	Uranium	mg/L	0.0246	0.000281	0.0250	97.1	70 - 130	X503156 - X5A0148-01	28-Jan-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	105	70 - 130	X505043 - X5A0169-01	28-Jan-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	0.0051	0.100	99.4	79 - 121	X504097 - X5A0108-01	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0962	<0.0050	0.100	96.2	90 - 110	X504004 - X5A0150-02	21-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X504004 - X5A0150-01	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	104	90 - 110	X504053 - X5A0169-03	22-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X504053 - X5A0169-01	22-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.111	<0.0050	0.100	111	82 - 118	X505079 - X5A0169-03	28-Jan-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	62.2	56.8	3.00	0.30R>S	90 - 110	X503142 - X5A0198-01	17-Jan-25	M4
EPA 300.0	Fluoride	mg/L	4.21	2.16	2.00	103	90 - 110	X503142 - X5A0198-01	17-Jan-25	
EPA 300.0	Nitrate as N	mg/L	3.12	1.07	2.00	103	90 - 110	X503142 - X5A0198-01	17-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.97	1.08	4.00	72.1	90 - 110	X503142 - X5A0198-01	17-Jan-25	M2,R2B
EPA 300.0	Nitrite as N	mg/L	0.843	<0.050	2.00	42.1	90 - 110	X503142 - X5A0198-01	17-Jan-25	M2,R2B
EPA 300.0	Sulfate as SO4	mg/L	75.8	62.7	10.0	0.30R>S	90 - 110	X503142 - X5A0198-01	17-Jan-25	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	73.0	70.0	20.0	4.0	20	106	X503162 - X5A0152-01	
EPA 200.7	Magnesium	mg/L	27.9	26.9	20.0	3.7	20	102	X503162 - X5A0152-01	
EPA 200.7	Potassium	mg/L	45.2	43.4	20.0	4.0	20	106	X503162 - X5A0152-01	

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0198**
Reported: 29-Jan-25 15:40

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)										
EPA 200.7	Aluminum	mg/L	1.03	1.02	1.00	0.3	20	103	X504031 - X5A0169-01	
EPA 200.7	Barium	mg/L	1.13	1.13	1.00	0.2	20	96.8	X504031 - X5A0169-01	
EPA 200.7	Beryllium	mg/L	0.976	0.972	1.00	0.4	20	97.6	X504031 - X5A0169-01	
EPA 200.7	Boron	mg/L	1.00	0.987	1.00	1.5	20	100	X504031 - X5A0169-01	
EPA 200.7	Cadmium	mg/L	1.01	0.997	1.00	1.3	20	101	X504031 - X5A0169-01	
EPA 200.7	Calcium	mg/L	39.9	40.2	20.0	0.7	20	103	X504031 - X5A0169-01	
EPA 200.7	Chromium	mg/L	0.971	0.972	1.00	0.1	20	97.1	X504031 - X5A0169-01	
EPA 200.7	Cobalt	mg/L	0.987	0.975	1.00	1.2	20	98.2	X504031 - X5A0169-01	
EPA 200.7	Copper	mg/L	0.961	0.949	1.00	1.3	20	96.1	X504031 - X5A0169-01	
EPA 200.7	Iron	mg/L	18.4	18.5	10.0	0.7	20	104	X504031 - X5A0169-01	
EPA 200.7	Lead	mg/L	0.983	0.976	1.00	0.7	20	98.3	X504031 - X5A0169-01	
EPA 200.7	Lithium	mg/L	0.995	0.996	1.00	0.1	20	99.5	X504031 - X5A0169-01	
EPA 200.7	Magnesium	mg/L	32.8	33.1	20.0	1.1	20	104	X504031 - X5A0169-01	
EPA 200.7	Manganese	mg/L	2.92	2.95	1.00	1.0	20	92.8	X504031 - X5A0169-01	
EPA 200.7	Molybdenum	mg/L	1.01	0.988	1.00	1.7	20	101	X504031 - X5A0169-01	
EPA 200.7	Nickel	mg/L	0.979	0.966	1.00	1.3	20	97.9	X504031 - X5A0169-01	
EPA 200.7	Potassium	mg/L	21.0	21.4	20.0	1.6	20	99.3	X504031 - X5A0169-01	
EPA 200.7	Silver	mg/L	0.0518	0.0512	0.0500	1.0	20	104	X504031 - X5A0169-01	
EPA 200.7	Sodium	mg/L	29.0	29.2	19.0	0.9	20	101	X504031 - X5A0169-01	
EPA 200.7	Vanadium	mg/L	0.983	0.976	1.00	0.7	20	98.3	X504031 - X5A0169-01	
EPA 200.7	Zinc	mg/L	1.01	0.999	1.00	0.9	20	99.3	X504031 - X5A0169-01	
EPA 200.8	Antimony	mg/L	0.0249	0.0247	0.0250	0.9	20	99.7	X503156 - X5A0148-01	
EPA 200.8	Arsenic	mg/L	0.0239	0.0235	0.0250	1.5	20	95.5	X503156 - X5A0148-01	
EPA 200.8	Selenium	mg/L	0.0226	0.0231	0.0250	1.9	20	88.4	X503156 - X5A0148-01	
EPA 200.8	Thallium	mg/L	0.0234	0.0243	0.0250	3.9	20	93.7	X503156 - X5A0148-01	
EPA 200.8	Uranium	mg/L	0.0239	0.0246	0.0250	2.6	20	94.5	X503156 - X5A0148-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00212	0.00211	0.00200	0.5	20	106	X505043 - X5A0169-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.106	0.105	0.100	1.4	11	101	X504097 - X5A0108-01	
EPA 335.4	Cyanide (total)	mg/L	0.0996	0.0962	0.100	3.5	20	99.6	X504004 - X5A0150-02	
EPA 350.1	Ammonia as N	mg/L	1.03	1.06	1.00	2.7	20	101	X504053 - X5A0169-03	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.111	0.100	6.9	11	104	X505079 - X5A0169-03	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	61.7	62.2	3.00	0.7	20	0.30R>S	X503142 - X5A0198-01	M4
EPA 300.0	Fluoride	mg/L	4.20	4.21	2.00	0.2	20	102	X503142 - X5A0198-01	
EPA 300.0	Nitrate as N	mg/L	3.13	3.12	2.00	0.3	20	103	X503142 - X5A0198-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.25	3.97	4.00	27.8	20	104	X503142 - X5A0198-01	R2B
EPA 300.0	Nitrite as N	mg/L	2.11	0.843	2.00	85.9	20	106	X503142 - X5A0198-01	R2B
EPA 300.0	Sulfate as SO4	mg/L	75.7	75.8	10.0	0.2	20	0.30R>S	X503142 - X5A0198-01	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0198**
Victor, CO 80860	Reported: 29-Jan-25 15:40

Notes and Definitions

D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, 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

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0211**
Victor, CO 80860	Reported: 06-Feb-25 16:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-26B	X5A0211-01	Ground Water	16-Jan-25 10:08	JC	17-Jan-2025	
GVMW-26A	X5A0211-02	Ground Water	16-Jan-25 09:20	JC	17-Jan-2025	

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: X5A0211

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

KAG 02/06/2025 N10 Reissued report with reanalysis results and confirmed original results reported for 300.0 F on sample -02.
200.8 metals results for Ar and Se reissued because original results did not meet client DQO for samples -01 and -02.

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X5A0211-01 (Ground Water)**

Sampled: 16-Jan-25 10:08
Received: 17-Jan-25
Sampled By: JC

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**	12.0	mg/L	0.100	0.069		X503162	SJN	01/21/25 11:39	
EPA 200.7	**Magnesium**	2.67	mg/L	0.500	0.090		X503162	SJN	01/21/25 11:39	
EPA 200.7	**Potassium**	1.00	mg/L	0.50	0.18		X503162	SJN	01/21/25 11:39	
SM 2340 B	**Hardness (as CaCO3)**	40.6	mg/L	2.31	0.543		N/A		01/21/25 11:39	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X504031	NMS	01/22/25 12:43	
EPA 200.7	**Barium**	0.109	mg/L	0.0020	0.0019		X504031	NMS	01/22/25 12:43	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504031	NMS	01/22/25 12:43	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504031	NMS	01/22/25 12:43	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504031	NMS	01/22/25 12:43	
EPA 200.7	**Calcium**	11.9	mg/L	0.100	0.069		X504031	NMS	01/22/25 12:43	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504031	NMS	01/22/25 12:43	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504031	NMS	01/22/25 12:43	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504031	NMS	01/22/25 12:43	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504031	NMS	01/22/25 12:43	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504031	NMS	01/22/25 12:43	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504031	NMS	01/22/25 12:43	
EPA 200.7	**Magnesium**	2.61	mg/L	0.500	0.090		X504031	NMS	01/22/25 12:43	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 12:43	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 12:43	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504031	NMS	01/22/25 12:43	
EPA 200.7	**Potassium**	0.78	mg/L	0.50	0.18		X504031	NMS	01/22/25 12:43	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 12:43	
EPA 200.7	**Sodium**	10.5	mg/L	0.50	0.12		X504031	NMS	01/22/25 12:43	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 12:43	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504031	NMS	01/22/25 12:43	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X506129	SMU	02/06/25 13:26	N1
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X506129	SMU	02/06/25 13:26	N1
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X506129	SMU	02/06/25 13:26	N1
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X506129	SMU	02/06/25 13:26	N1
EPA 200.8	**Uranium**	0.000162	mg/L	0.000100	0.000052		X506129	SMU	02/06/25 13:26	N1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505042	MAC	01/28/25 14:24	
Classical Chemistry Parameters										
ASTM D7237-15A	**Cyanide (free) @ pH 6**	0.0052	mg/L	0.0050	0.0048		X504098	DD	01/24/25 14:36	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:57	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X504052	JPM	01/22/25 11:48	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X505079	DD	01/28/25 13:42	
SM 2310 B	**Acidity to pH 8.3**	-32.8	mg/L as CaCO3	10.0			X505019	MWD	01/27/25 09:20	
SM 2320 B	**Total Alkalinity**	36.3	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:32	
SM 2320 B	**Bicarbonate**	36.3	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:32	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:32	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:32	
SM 2540 C	**Total Diss. Solids**	82	mg/L	10			X504010	TJL	01/22/25 09:40	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X504011	TJL	01/21/25 10:05	
SM 4500 H B	**pH @19.8°C**	6.8	pH Units				X504154	MWD	01/24/25 13:32	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X5A0211-01 (Ground Water)**

Sampled: 16-Jan-25 10:08
Received: 17-Jan-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	2.03	mg/L	0.20	0.02		X503142	RS	01/17/25 14:04	
EPA 300.0	**Fluoride**	0.277	mg/L	0.100	0.017		X503142	RS	01/17/25 14:04	
EPA 300.0	**Nitrate as N**	0.689	mg/L	0.050	0.013		X503142	RS	01/17/25 14:04	
EPA 300.0	**Nitrate+Nitrite as N**	0.702	mg/L	0.100	0.044		X503142	RS	01/17/25 14:04	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503142	RS	01/17/25 14:04	
EPA 300.0	**Sulfate as SO4**	21.4	mg/L	0.30	0.18		X503142	RS	01/17/25 14:04	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.30 meq/L Anion Sum: 1.29 meq/L C/A Balance: 0.27 % Calculated TDS: 75 TDS/cTDS: 1.10

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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(208) 784-1258
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Newmont - Cripple Creek & Victor
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X5A0211-02 (Ground Water)**

Sampled: 16-Jan-25 09:20
Received: 17-Jan-25
Sampled By: JC

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**	32.3	mg/L	0.100	0.069		X503162	SJN	01/21/25 12:26	
EPA 200.7	**Magnesium**	7.90	mg/L	0.500	0.090		X503162	SJN	01/21/25 12:26	
EPA 200.7	**Potassium**	1.93	mg/L	0.50	0.18		X503162	SJN	01/21/25 12:26	
SM 2340 B	**Hardness (as CaCO3)**	111	mg/L	2.31	0.543		N/A		01/21/25 12:26	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.083	mg/L	0.080	0.054		X504031	NMS	01/22/25 12:55	
EPA 200.7	**Barium**	0.185	mg/L	0.0020	0.0019		X504031	NMS	01/22/25 12:55	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X504031	NMS	01/22/25 12:55	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X504031	NMS	01/22/25 12:55	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X504031	NMS	01/22/25 12:55	
EPA 200.7	**Calcium**	30.7	mg/L	0.100	0.069		X504031	NMS	01/22/25 12:55	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X504031	NMS	01/22/25 12:55	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X504031	NMS	01/22/25 12:55	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X504031	NMS	01/22/25 12:55	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X504031	NMS	01/22/25 12:55	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X504031	NMS	01/22/25 12:55	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X504031	NMS	01/22/25 12:55	
EPA 200.7	**Magnesium**	7.28	mg/L	0.500	0.090		X504031	NMS	01/22/25 12:55	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 12:55	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X504031	NMS	01/22/25 12:55	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X504031	NMS	01/22/25 12:55	
EPA 200.7	**Potassium**	0.91	mg/L	0.50	0.18		X504031	NMS	01/22/25 12:55	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 12:55	
EPA 200.7	**Sodium**	31.8	mg/L	0.50	0.12		X504031	NMS	01/22/25 12:55	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X504031	NMS	01/22/25 12:55	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X504031	NMS	01/22/25 12:55	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X506129	SMU	02/06/25 13:32	N1
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X506129	SMU	02/06/25 13:32	N1
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X506129	SMU	02/06/25 13:32	N1
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X506129	SMU	02/06/25 13:32	N1
EPA 200.8	**Uranium**	0.00319	mg/L	0.000100	0.000052		X506129	SMU	02/06/25 13:32	N1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505042	MAC	01/28/25 14:26	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X504098	DD	01/24/25 14:38	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X504004	DD	01/21/25 12:58	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X504052	JPM	01/22/25 11:50	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X505079	DD	01/28/25 13:43	
SM 2310 B	**Acidity to pH 8.3**	-153	mg/L as CaCO3	10.0			X505019	MWD	01/27/25 09:20	
SM 2320 B	**Total Alkalinity**	157	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:38	
SM 2320 B	**Bicarbonate**	157	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:38	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:38	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 13:38	
SM 2540 C	**Total Diss. Solids**	200	mg/L	10			X504010	TJL	01/22/25 09:40	
SM 2540 D	**Total Susp. Solids**	88.0	mg/L	5.0			X504011	TJL	01/21/25 10:05	
SM 4500 H B	**pH @19.6°C**	8.0	pH Units				X504154	MWD	01/24/25 13:38	H5

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

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X5A0211-02 (Ground Water)**

Sampled: 16-Jan-25 09:20
Received: 17-Jan-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.50	mg/L	0.20	0.02		X503142	RS	01/17/25 14:19	
EPA 300.0	**Chloride**	1.46	mg/L	0.20	0.02		X506029	RS	02/03/25 17:35	
EPA 300.0	**Chloride**	1.36	mg/L	0.20	0.02		X506029	RS	02/03/25 17:51	
EPA 300.0	**Fluoride**	2.10	mg/L	0.100	0.017		X503142	RS	01/17/25 14:19	
EPA 300.0	**Fluoride**	2.06	mg/L	0.100	0.017		X506029	RS	02/03/25 17:35	N10
EPA 300.0	**Fluoride**	2.05	mg/L	0.100	0.017		X506029	RS	02/03/25 17:51	N10
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X503142	RS	01/17/25 14:19	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X506029	RS	02/03/25 17:35	H3
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X506029	RS	02/03/25 17:51	H3
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X503142	RS	01/17/25 14:19	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X506029	RS	02/03/25 17:35	H3
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X506029	RS	02/03/25 17:51	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X503142	RS	01/17/25 14:19	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X506029	RS	02/03/25 17:35	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X506029	RS	02/03/25 17:51	H3
EPA 300.0	**Sulfate as SO4**	15.9	mg/L	0.30	0.18		X503142	RS	01/17/25 14:19	
EPA 300.0	**Sulfate as SO4**	15.2	mg/L	0.30	0.18		X506029	RS	02/03/25 17:35	
EPA 300.0	**Sulfate as SO4**	15.4	mg/L	0.30	0.18		X506029	RS	02/03/25 17:51	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.56 meq/L Anion Sum: 3.60 meq/L C/A Balance: -0.65 % Calculated TDS: 186 TDS/cTDS: 1.08

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

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	X503162	21-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X503162	21-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X503162	21-Jan-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X504031	22-Jan-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X504031	22-Jan-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X504031	22-Jan-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X504031	22-Jan-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X504031	22-Jan-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X504031	22-Jan-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X504031	22-Jan-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X504031	22-Jan-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X504031	22-Jan-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X504031	22-Jan-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X504031	22-Jan-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X504031	22-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X504031	22-Jan-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X504031	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X504031	22-Jan-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X504031	22-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X504031	22-Jan-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X504031	22-Jan-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X504031	22-Jan-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X504031	22-Jan-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X504031	22-Jan-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X503156	28-Jan-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X506129	06-Feb-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X506129	06-Feb-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X506129	06-Feb-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X506129	06-Feb-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X506129	06-Feb-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X505042	28-Jan-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X504098	24-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X504052	22-Jan-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X504052	22-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X505079	28-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X505019	27-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X504010	22-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X504011	21-Jan-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X503142	17-Jan-25	
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X506029	03-Feb-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X503142	17-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)								
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X506029	03-Feb-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X503142	17-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X506029	03-Feb-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X503142	17-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X506029	03-Feb-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X503142	17-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X506029	03-Feb-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X503142	17-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X506029	03-Feb-25	

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	19.6	20.0	98	85 - 115	X503162	21-Jan-25	
EPA 200.7	Magnesium	mg/L	19.8	20.0	99.1	85 - 115	X503162	21-Jan-25	
EPA 200.7	Potassium	mg/L	20.0	20.0	100	85 - 115	X503162	21-Jan-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.04	1.00	104	85 - 115	X504031	22-Jan-25	
EPA 200.7	Barium	mg/L	0.963	1.00	96.3	85 - 115	X504031	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.975	1.00	97.5	85 - 115	X504031	22-Jan-25	
EPA 200.7	Boron	mg/L	0.965	1.00	96.5	85 - 115	X504031	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.977	1.00	97.7	85 - 115	X504031	22-Jan-25	
EPA 200.7	Calcium	mg/L	20.9	20.0	105	85 - 115	X504031	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.971	1.00	97.1	85 - 115	X504031	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.965	1.00	96.5	85 - 115	X504031	22-Jan-25	
EPA 200.7	Copper	mg/L	0.959	1.00	95.9	85 - 115	X504031	22-Jan-25	
EPA 200.7	Iron	mg/L	10.5	10.0	105	85 - 115	X504031	22-Jan-25	
EPA 200.7	Lead	mg/L	0.964	1.00	96.4	85 - 115	X504031	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.982	1.00	98.2	85 - 115	X504031	22-Jan-25	
EPA 200.7	Magnesium	mg/L	21.1	20.0	105	85 - 115	X504031	22-Jan-25	
EPA 200.7	Manganese	mg/L	0.968	1.00	96.8	85 - 115	X504031	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.989	1.00	98.9	85 - 115	X504031	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.959	1.00	95.9	85 - 115	X504031	22-Jan-25	
EPA 200.7	Potassium	mg/L	19.8	20.0	99.2	85 - 115	X504031	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0503	0.0500	101	85 - 115	X504031	22-Jan-25	
EPA 200.7	Sodium	mg/L	19.3	19.0	102	85 - 115	X504031	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.978	1.00	97.8	85 - 115	X504031	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.961	1.00	96.1	85 - 115	X504031	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0224	0.0250	89.6	85 - 115	X506129	06-Feb-25	
EPA 200.8	Antimony	mg/L	0.0252	0.0250	101	85 - 115	X503156	28-Jan-25	
EPA 200.8	Arsenic	mg/L	0.0233	0.0250	93.3	85 - 115	X506129	06-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0231	0.0250	92.4	85 - 115	X503156	28-Jan-25	
EPA 200.8	Selenium	mg/L	0.0224	0.0250	89.7	85 - 115	X506129	06-Feb-25	
EPA 200.8	Selenium	mg/L	0.0224	0.0250	89.5	85 - 115	X503156	28-Jan-25	
EPA 200.8	Thallium	mg/L	0.0241	0.0250	96.6	85 - 115	X506129	06-Feb-25	
EPA 200.8	Thallium	mg/L	0.0249	0.0250	99.6	85 - 115	X503156	28-Jan-25	
EPA 200.8	Uranium	mg/L	0.0221	0.0250	88.5	85 - 115	X506129	06-Feb-25	
EPA 200.8	Uranium	mg/L	0.0245	0.0250	97.9	85 - 115	X503156	28-Jan-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00213	0.00200	107	85 - 115	X505042	28-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	0.100	105	90 - 110	X504098	24-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0955	0.100	95.5	90 - 110	X504004	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	0.985	1.00	98.5	90 - 110	X504052	22-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0998	0.100	99.8	90 - 110	X505079	28-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.3	9.93	104	94 - 106	X504154	24-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X504154	24-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X504011	21-Jan-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.02	3.00	101	90 - 110	X506029	03-Feb-25	
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X503142	17-Jan-25	
EPA 300.0	Fluoride	mg/L	2.05	2.00	103	90 - 110	X506029	03-Feb-25	
EPA 300.0	Fluoride	mg/L	2.08	2.00	104	90 - 110	X503142	17-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.97	2.00	98.4	90 - 110	X506029	03-Feb-25	
EPA 300.0	Nitrate as N	mg/L	1.99	2.00	99.7	90 - 110	X503142	17-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.49	4.50	99.9	90 - 110	X506029	03-Feb-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.63	4.50	103	90 - 110	X503142	17-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X506029	03-Feb-25	
EPA 300.0	Nitrite as N	mg/L	2.63	2.50	105	90 - 110	X503142	17-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	9.82	10.0	98.2	90 - 110	X506029	03-Feb-25	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.0	105	90 - 110	X503142	17-Jan-25	

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	<10.0	<10.0	UDL	20	X505019 - X5A0169-01	27-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	194	194	0.1	20	X504154 - X5A0174-01	24-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	194	194	0.1	20	X504154 - X5A0174-01	24-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X504154 - X5A0174-01	24-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X504154 - X5A0174-01	24-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	210	200	4.9	10	X504010 - X5A0211-02	22-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	532	536	0.7	10	X504010 - X5A0214-05	22-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	88.0	88.0	0.0	10	X504011 - X5A0211-02	21-Jan-25	
SM 4500 H B	pH @19.5°C	pH Units	7.4	7.4	0.1	20	X504154 - X5A0174-01	24-Jan-25	

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	70.0	51.7	20.0	91	70 - 130	X503162 - X5A0152-01	21-Jan-25	
EPA 200.7	Calcium	mg/L	562	540	20.0	108	70 - 130	X503162 - X5A0172-05	21-Jan-25	
EPA 200.7	Magnesium	mg/L	26.9	7.38	20.0	97.4	70 - 130	X503162 - X5A0152-01	21-Jan-25	
EPA 200.7	Magnesium	mg/L	51.5	30.4	20.0	105	70 - 130	X503162 - X5A0172-05	21-Jan-25	
EPA 200.7	Potassium	mg/L	43.4	23.9	20.0	97.6	70 - 130	X503162 - X5A0152-01	21-Jan-25	
EPA 200.7	Potassium	mg/L	55.1	32.1	20.0	115	70 - 130	X503162 - X5A0172-05	21-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	<0.080	1.00	102	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Aluminum	mg/L	1.06	<0.080	1.00	106	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Barium	mg/L	1.13	0.165	1.00	96.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Barium	mg/L	1.05	0.0671	1.00	98.7	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.972	<0.00200	1.00	97.2	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Beryllium	mg/L	0.991	<0.00200	1.00	99.1	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Boron	mg/L	0.987	<0.0400	1.00	98.7	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Boron	mg/L	1.07	0.0479	1.00	103	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Cadmium	mg/L	0.997	<0.0020	1.00	99.7	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Calcium	mg/L	40.2	19.3	20.0	105	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Calcium	mg/L	293	263	20.0	0.30R>S	70 - 130	X504031 - X5A0216-03	22-Jan-25	M3
EPA 200.7	Chromium	mg/L	0.972	<0.0060	1.00	97.2	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Chromium	mg/L	0.972	<0.0060	1.00	97.2	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.975	<0.0060	1.00	97.0	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Cobalt	mg/L	0.980	<0.0060	1.00	98.0	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Copper	mg/L	0.949	<0.0100	1.00	94.9	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Copper	mg/L	0.973	<0.0100	1.00	97.3	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Iron	mg/L	18.5	7.94	10.0	106	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Iron	mg/L	10.6	<0.100	10.0	106	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Lead	mg/L	0.976	<0.0075	1.00	97.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Lead	mg/L	0.977	<0.0075	1.00	97.7	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Lithium	mg/L	0.996	<0.040	1.00	99.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	101	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Magnesium	mg/L	33.1	12.1	20.0	105	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Magnesium	mg/L	120	94.4	20.0	127	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Manganese	mg/L	2.95	2.00	1.00	95.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Manganese	mg/L	0.984	<0.0080	1.00	98.4	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	0.988	<0.0080	1.00	98.8	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Molybdenum	mg/L	1.07	0.0326	1.00	104	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.966	<0.0100	1.00	96.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Nickel	mg/L	0.969	<0.0100	1.00	96.9	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Potassium	mg/L	21.4	1.17	20.0	101	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Potassium	mg/L	34.2	13.0	20.0	106	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0512	<0.0050	0.0500	102	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Silver	mg/L	0.0485	<0.0050	0.0500	97.0	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Sodium	mg/L	29.2	9.74	19.0	102	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Sodium	mg/L	90.8	68.7	19.0	116	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.976	<0.0050	1.00	97.6	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Vanadium	mg/L	0.997	<0.0050	1.00	99.5	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.999	0.0148	1.00	98.4	70 - 130	X504031 - X5A0169-01	22-Jan-25	
EPA 200.7	Zinc	mg/L	0.995	<0.0100	1.00	99.5	70 - 130	X504031 - X5A0216-03	22-Jan-25	
EPA 200.8	Antimony	mg/L	0.0221	<0.00100	0.0250	88.2	70 - 130	X506129 - X5A0211-01	06-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0256	<0.00100	0.0250	102	70 - 130	X506129 - X5A0211-01	06-Feb-25	
EPA 200.8	Selenium	mg/L	0.0294	<0.00100	0.0250	116	70 - 130	X506129 - X5A0211-01	06-Feb-25	
EPA 200.8	Thallium	mg/L	0.0248	<0.000200	0.0250	99.1	70 - 130	X506129 - X5A0211-01	06-Feb-25	
EPA 200.8	Uranium	mg/L	0.0230	0.000110	0.0250	91.4	70 - 130	X506129 - X5A0211-01	06-Feb-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X505042 - X5A0148-01	28-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Filtered) (Continued)										
EPA 245.1	Mercury	mg/L	0.00210	<0.000200	0.00200	105	70 - 130	X505042 - X5A0214-02	28-Jan-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.111	0.0052	0.100	106	79 - 121	X504098 - X5A0211-01	24-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0962	<0.0050	0.100	96.2	90 - 110	X504004 - X5A0150-02	21-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X504004 - X5A0150-01	21-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X504052 - X5A0157-02	22-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.00	<0.030	1.00	97.5	90 - 110	X504052 - X5A0211-01	22-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.111	<0.0050	0.100	111	82 - 118	X505079 - X5A0169-03	28-Jan-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	6.83	3.67	3.00	105	90 - 110	X506029 - X5A0363-01	03-Feb-25	
EPA 300.0	Chloride	mg/L	62.2	56.8	3.00	0.30R>S	90 - 110	X503142 - X5A0198-01	17-Jan-25	M4
EPA 300.0	Fluoride	mg/L	2.44	0.296	2.00	107	90 - 110	X506029 - X5A0363-01	03-Feb-25	
EPA 300.0	Fluoride	mg/L	4.21	2.16	2.00	103	90 - 110	X503142 - X5A0198-01	17-Jan-25	
EPA 300.0	Nitrate as N	mg/L	3.12	1.04	2.00	104	90 - 110	X506029 - X5A0363-01	03-Feb-25	
EPA 300.0	Nitrate as N	mg/L	3.12	1.07	2.00	103	90 - 110	X503142 - X5A0198-01	17-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.17	1.04	4.00	103	90 - 110	X506029 - X5A0363-01	03-Feb-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.97	1.08	4.00	72.1	90 - 110	X503142 - X5A0198-01	17-Jan-25	M2,R2B
EPA 300.0	Nitrite as N	mg/L	2.06	<0.050	2.00	103	90 - 110	X506029 - X5A0363-01	03-Feb-25	
EPA 300.0	Nitrite as N	mg/L	0.843	<0.050	2.00	42.1	90 - 110	X503142 - X5A0198-01	17-Jan-25	M2,R2B
EPA 300.0	Sulfate as SO4	mg/L	22.8	12.6	10.0	103	90 - 110	X506029 - X5A0363-01	03-Feb-25	
EPA 300.0	Sulfate as SO4	mg/L	75.8	62.7	10.0	0.30R>S	90 - 110	X503142 - X5A0198-01	17-Jan-25	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	73.0	70.0	20.0	4.0	20	106	X503162 - X5A0152-01	
EPA 200.7	Magnesium	mg/L	27.9	26.9	20.0	3.7	20	102	X503162 - X5A0152-01	
EPA 200.7	Potassium	mg/L	45.2	43.4	20.0	4.0	20	106	X503162 - X5A0152-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.03	1.02	1.00	0.3	20	103	X504031 - X5A0169-01	
EPA 200.7	Barium	mg/L	1.13	1.13	1.00	0.2	20	96.8	X504031 - X5A0169-01	
EPA 200.7	Beryllium	mg/L	0.976	0.972	1.00	0.4	20	97.6	X504031 - X5A0169-01	
EPA 200.7	Boron	mg/L	1.00	0.987	1.00	1.5	20	100	X504031 - X5A0169-01	
EPA 200.7	Cadmium	mg/L	1.01	0.997	1.00	1.3	20	101	X504031 - X5A0169-01	
EPA 200.7	Calcium	mg/L	39.9	40.2	20.0	0.7	20	103	X504031 - X5A0169-01	
EPA 200.7	Chromium	mg/L	0.971	0.972	1.00	0.1	20	97.1	X504031 - X5A0169-01	
EPA 200.7	Cobalt	mg/L	0.987	0.975	1.00	1.2	20	98.2	X504031 - X5A0169-01	
EPA 200.7	Copper	mg/L	0.961	0.949	1.00	1.3	20	96.1	X504031 - X5A0169-01	
EPA 200.7	Iron	mg/L	18.4	18.5	10.0	0.7	20	104	X504031 - X5A0169-01	
EPA 200.7	Lead	mg/L	0.983	0.976	1.00	0.7	20	98.3	X504031 - X5A0169-01	
EPA 200.7	Lithium	mg/L	0.995	0.996	1.00	0.1	20	99.5	X504031 - X5A0169-01	
EPA 200.7	Magnesium	mg/L	32.8	33.1	20.0	1.1	20	104	X504031 - X5A0169-01	
EPA 200.7	Manganese	mg/L	2.92	2.95	1.00	1.0	20	92.8	X504031 - X5A0169-01	
EPA 200.7	Molybdenum	mg/L	1.01	0.988	1.00	1.7	20	101	X504031 - X5A0169-01	
EPA 200.7	Nickel	mg/L	0.979	0.966	1.00	1.3	20	97.9	X504031 - X5A0169-01	
EPA 200.7	Potassium	mg/L	21.0	21.4	20.0	1.6	20	99.3	X504031 - X5A0169-01	
EPA 200.7	Silver	mg/L	0.0518	0.0512	0.0500	1.0	20	104	X504031 - X5A0169-01	

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Newmont - Cripple Creek & Victor
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0211**
Reported: 06-Feb-25 16:28

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	29.0	29.2	19.0	0.9	20	101	X504031 - X5A0169-01	
EPA 200.7	Vanadium	mg/L	0.983	0.976	1.00	0.7	20	98.3	X504031 - X5A0169-01	
EPA 200.7	Zinc	mg/L	1.01	0.999	1.00	0.9	20	99.3	X504031 - X5A0169-01	
EPA 200.8	Antimony	mg/L	0.0249	0.0247	0.0250	0.9	20	99.7	X503156 - X5A0148-01	
EPA 200.8	Antimony	mg/L	0.0231	0.0221	0.0250	4.7	20	92.4	X506129 - X5A0211-01	
EPA 200.8	Arsenic	mg/L	0.0239	0.0235	0.0250	1.5	20	95.5	X503156 - X5A0148-01	
EPA 200.8	Arsenic	mg/L	0.0261	0.0256	0.0250	2.0	20	104	X506129 - X5A0211-01	
EPA 200.8	Selenium	mg/L	0.0226	0.0231	0.0250	1.9	20	88.4	X503156 - X5A0148-01	
EPA 200.8	Selenium	mg/L	0.0300	0.0294	0.0250	2.0	20	118	X506129 - X5A0211-01	
EPA 200.8	Thallium	mg/L	0.0234	0.0243	0.0250	3.9	20	93.7	X503156 - X5A0148-01	
EPA 200.8	Thallium	mg/L	0.0255	0.0248	0.0250	3.0	20	102	X506129 - X5A0211-01	
EPA 200.8	Uranium	mg/L	0.0239	0.0246	0.0250	2.6	20	94.5	X503156 - X5A0148-01	
EPA 200.8	Uranium	mg/L	0.0241	0.0230	0.0250	5.0	20	96.1	X506129 - X5A0211-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00218	0.00212	0.00200	2.9	20	109	X505042 - X5A0148-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.109	0.111	0.100	1.7	11	104	X504098 - X5A0211-01	
EPA 335.4	Cyanide (total)	mg/L	0.0996	0.0962	0.100	3.5	20	99.6	X504004 - X5A0150-02	
EPA 350.1	Ammonia as N	mg/L	1.11	1.01	1.00	9.4	20	111	X504052 - X5A0157-02	M1
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.111	0.100	6.9	11	104	X505079 - X5A0169-03	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	61.7	62.2	3.00	0.7	20	0.30R>S	X503142 - X5A0198-01	M4
EPA 300.0	Chloride	mg/L	6.80	6.83	3.00	0.5	20	104	X506029 - X5A0363-01	
EPA 300.0	Fluoride	mg/L	4.20	4.21	2.00	0.2	20	102	X503142 - X5A0198-01	
EPA 300.0	Fluoride	mg/L	2.46	2.44	2.00	0.8	20	108	X506029 - X5A0363-01	
EPA 300.0	Nitrate as N	mg/L	3.13	3.12	2.00	0.3	20	103	X503142 - X5A0198-01	
EPA 300.0	Nitrate as N	mg/L	3.10	3.12	2.00	0.5	20	103	X506029 - X5A0363-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.25	3.97	4.00	27.8	20	104	X503142 - X5A0198-01	R2B
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.17	5.17	4.00	0.1	20	103	X506029 - X5A0363-01	
EPA 300.0	Nitrite as N	mg/L	2.11	0.843	2.00	85.9	20	106	X503142 - X5A0198-01	R2B
EPA 300.0	Nitrite as N	mg/L	2.07	2.06	2.00	0.6	20	103	X506029 - X5A0363-01	
EPA 300.0	Sulfate as SO4	mg/L	75.7	75.8	10.0	0.2	20	0.30R>S	X503142 - X5A0198-01	M4
EPA 300.0	Sulfate as SO4	mg/L	23.0	22.8	10.0	0.6	20	104	X506029 - X5A0363-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0211**
Victor, CO 80860	Reported: 06-Feb-25 16:28

Notes and Definitions

H3	Sample was received and/or analysis requested past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, 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.
N1	See case narrative.
N10	After reanalysis, original results are confirmed.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0284**
Victor, CO 80860	Reported: 07-Feb-25 11:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-33	X5A0284-01	Ground Water	22-Jan-25 12:10	TR	23-Jan-2025	Q5C
GVMW-34	X5A0284-02	Ground Water	22-Jan-25 12:30	TR	23-Jan-2025	Q5

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: X5A0284

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0284**
Reported: 07-Feb-25 11:05

Client Sample ID: **GVMW-33**
SVL Sample ID: **X5A0284-01 (Ground Water)**

Sampled: 22-Jan-25 12:10
Received: 23-Jan-25
Sampled By: TR

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**	454	mg/L	0.500	0.345	5	X505134	NMS	01/30/25 11:00	D18,M4
EPA 200.7	**Magnesium**	342	mg/L	2.50	0.450	5	X505134	NMS	01/30/25 11:00	D18,M4
EPA 200.7	**Potassium**	9.04	mg/L	2.50	0.90	5	X505134	NMS	01/30/25 11:00	D18
SM 2340 B	**Hardness (as CaCO3)**	2540	mg/L	11.5	2.71		N/A		02/05/25 09:49	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	646	mg/L	0.080	0.054		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Barium**	0.0225	mg/L	0.0020	0.0019		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Beryllium**	0.668	mg/L	0.00200	0.00080		X505183	NMS	02/05/25 09:49	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Cadmium**	1.45	mg/L	0.0020	0.0016		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Calcium**	458	mg/L	0.100	0.069		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Chromium**	0.0470	mg/L	0.0060	0.0020		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Cobalt**	1.06	mg/L	0.0060	0.0046		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Copper**	1.87	mg/L	0.0100	0.0027		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Iron**	9.82	mg/L	0.100	0.056		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Lead**	0.0380	mg/L	0.0075	0.0049		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Lithium**	0.373	mg/L	0.040	0.025		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Magnesium**	366	mg/L	0.500	0.090		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Manganese**	246	mg/L	0.0800	0.0340	10	X505183	NMS	02/05/25 11:04	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Nickel**	2.09	mg/L	0.0100	0.0048		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Potassium**	8.59	mg/L	0.50	0.18		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Silver**	0.0117	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Sodium**	126	mg/L	0.50	0.12		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Vanadium**	0.0120	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 09:49	
EPA 200.7	**Zinc**	33.6	mg/L	0.0100	0.0054		X505183	NMS	02/05/25 09:49	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X505108	SMU	02/06/25 15:28	
EPA 200.8	**Arsenic**	0.296	mg/L	0.00100	0.00021		X505108	SMU	02/06/25 15:28	M3
EPA 200.8	**Selenium**	0.0214	mg/L	0.00100	0.00024		X505108	SMU	02/06/25 15:28	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X505108	SMU	02/06/25 15:28	
EPA 200.8	**Uranium**	1.97	mg/L	0.00100	0.000520	10	X505108	SMU	02/06/25 16:33	M4
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505158	MAC	02/03/25 16:59	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X505035	DD	01/27/25 12:21	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X505078	DD	01/29/25 11:51	
EPA 350.1	**Ammonia as N**	0.285	mg/L	0.030	0.013		X505021	JPM	01/30/25 10:08	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X505079	DD	01/28/25 13:45	
SM 2310 B	**Acidity to pH 8.3**	3710	mg/L as CaCO3	10.0			X505019	MWD	01/27/25 09:20	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 14:34	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 14:34	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 14:34	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 14:34	
SM 2540 C	**Total Diss. Solids**	9220	mg/L	100			X504180	TJL	01/28/25 14:00	
SM 2540 D	**Total Susp. Solids**	23.0	mg/L	5.0			X504181	TJL	01/28/25 10:35	
SM 4500 H B	**pH @19.9°C**	3.4	pH Units				X504154	MWD	01/24/25 14:34	H5

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

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0284**
Reported: 07-Feb-25 11:05

Client Sample ID: **GVMW-33**
SVL Sample ID: **X5A0284-01 (Ground Water)**

Sampled: 22-Jan-25 12:10
Received: 23-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	6.23	mg/L	0.20	0.02		X504135	RS	01/23/25 14:19	
EPA 300.0	**Fluoride**	94.8	mg/L	5.00	0.850	50	X504135	RS	01/23/25 14:34	
EPA 300.0	**Nitrate as N**	4.54	mg/L	0.050	0.013		X504135	RS	01/23/25 14:19	
EPA 300.0	**Nitrate+Nitrite as N**	4.56	mg/L	0.100	0.044		X504135	RS	01/23/25 14:19	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X504135	RS	01/23/25 14:19	
EPA 300.0	**Sulfate as SO4**	6830	mg/L	75.0	45.0	250	X504135	RS	01/23/25 15:40	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 139 meq/L Anion Sum: 148 meq/L C/A Balance: -3.11 % Calculated TDS: 7896 TDS/cTDS: 1.17

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0284**
Reported: 07-Feb-25 11:05

Client Sample ID: **GVMW-34**
SVL Sample ID: **X5A0284-02 (Ground Water)**

Sampled: 22-Jan-25 12:30
Received: 23-Jan-25
Sampled By: TR

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**	667	mg/L	0.500	0.345	5	X505134	NMS	01/30/25 12:27	D18
EPA 200.7	**Magnesium**	313	mg/L	2.50	0.450	5	X505134	NMS	01/30/25 12:27	D18
EPA 200.7	**Potassium**	4.81	mg/L	2.50	0.90	5	X505134	NMS	01/30/25 12:27	D18
SM 2340 B	**Hardness (as CaCO3)**	2950	mg/L	11.5	2.71		N/A		02/05/25 10:03	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	17.7	mg/L	0.080	0.054		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Barium**	0.0356	mg/L	0.0020	0.0019		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Beryllium**	0.0175	mg/L	0.00200	0.00080		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Boron**	0.0465	mg/L	0.0400	0.0078		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Cadmium**	0.0797	mg/L	0.0020	0.0016		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Calcium**	655	mg/L	0.100	0.069		X505183	NMS	02/05/25 10:03	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Cobalt**	0.0617	mg/L	0.0060	0.0046		X505183	NMS	02/05/25 10:03	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X505183	NMS	02/05/25 10:03	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X505183	NMS	02/05/25 10:03	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Lithium**	0.338	mg/L	0.040	0.025		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Magnesium**	328	mg/L	0.500	0.090		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Manganese**	83.1	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:03	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Nickel**	0.413	mg/L	0.0100	0.0048		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Potassium**	4.92	mg/L	0.50	0.18		X505183	NMS	02/05/25 10:03	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Sodium**	48.6	mg/L	0.50	0.12		X505183	NMS	02/05/25 10:03	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:03	
EPA 200.7	**Zinc**	9.26	mg/L	0.0100	0.0054		X505183	NMS	02/05/25 10:03	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X505108	SMU	02/06/25 15:35	
EPA 200.8	**Arsenic**	0.00196	mg/L	0.00100	0.00021		X505108	SMU	02/06/25 15:35	
EPA 200.8	**Selenium**	0.0162	mg/L	0.00100	0.00024		X505108	SMU	02/06/25 15:35	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X505108	SMU	02/06/25 15:35	
EPA 200.8	**Uranium**	0.0409	mg/L	0.000100	0.000052		X505108	SMU	02/06/25 15:35	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X505158	MAC	02/03/25 17:05	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X505035	DD	01/27/25 12:22	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X505078	DD	01/29/25 12:04	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X505021	JPM	01/30/25 10:19	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X505079	DD	01/28/25 13:54	
SM 2310 B	**Acidity to pH 8.3**	-195	mg/L as CaCO3	10.0			X505019	MWD	01/27/25 09:20	
SM 2320 B	**Total Alkalinity**	195	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 14:41	
SM 2320 B	**Bicarbonate**	195	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 14:41	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 14:41	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X504154	MWD	01/24/25 14:41	
SM 2540 C	**Total Diss. Solids**	4050	mg/L	40			X504180	TJL	01/28/25 14:00	
SM 2540 D	**Total Susp. Solids**	131	mg/L	5.0			X504181	TJL	01/28/25 10:35	
SM 4500 H B	**pH @20.0°C**	6.0	pH Units				X504154	MWD	01/24/25 14:41	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0284**
Reported: 07-Feb-25 11:05

Client Sample ID: **GVMW-34**
SVL Sample ID: **X5A0284-02 (Ground Water)**

Sampled: 22-Jan-25 12:30
Received: 23-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	28.7	mg/L	10.0	1.10	50	X504135	RS	01/23/25 22:18	
EPA 300.0	**Fluoride**	32.2	mg/L	5.00	0.850	50	X504135	RS	01/23/25 22:18	
EPA 300.0	**Nitrate as N**	10.8	mg/L	2.50	0.650	50	X504135	RS	01/23/25 22:18	
EPA 300.0	**Nitrate+Nitrite as N**	10.8	mg/L	0.100	0.044		X504135	RS	01/23/25 22:02	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X504135	RS	01/23/25 22:02	
EPA 300.0	**Sulfate as SO4**	2860	mg/L	30.0	18.0	100	X504135	RS	01/24/25 11:56	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 66.0 meq/L Anion Sum: 66.7 meq/L C/A Balance: -0.53 % Calculated TDS: 4121 TDS/cTDS: 0.98

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0284**
Reported: 07-Feb-25 11:05

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	X505134	30-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X505134	30-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X505134	30-Jan-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X505183	05-Feb-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X505183	05-Feb-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X505183	05-Feb-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X505183	05-Feb-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X505183	05-Feb-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X505183	05-Feb-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X505183	05-Feb-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X505183	05-Feb-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X505183	05-Feb-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X505183	05-Feb-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X505183	05-Feb-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X505183	05-Feb-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X505183	05-Feb-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X505183	05-Feb-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X505183	05-Feb-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X505183	05-Feb-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X505183	05-Feb-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X505183	05-Feb-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X505183	05-Feb-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X505183	05-Feb-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X505183	05-Feb-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X505108	06-Feb-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X505108	06-Feb-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X505108	06-Feb-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X505108	06-Feb-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X505108	06-Feb-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X505158	03-Feb-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X505035	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X505078	29-Jan-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X505021	30-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X505079	28-Jan-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X505019	27-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X504154	27-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X504180	28-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X504181	28-Jan-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X504135	23-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X504135	23-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X504135	23-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X504135	23-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X504135	23-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X504135	23-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0284**
Reported: 07-Feb-25 11:05

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	20.3	20.0	102	85 - 115	X505134	30-Jan-25	
EPA 200.7	Magnesium	mg/L	20.4	20.0	102	85 - 115	X505134	30-Jan-25	
EPA 200.7	Potassium	mg/L	20.4	20.0	102	85 - 115	X505134	30-Jan-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.902	1.00	90.2	85 - 115	X505183	05-Feb-25	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X505183	05-Feb-25	
EPA 200.7	Beryllium	mg/L	0.945	1.00	94.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Boron	mg/L	0.943	1.00	94.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Cadmium	mg/L	0.986	1.00	98.6	85 - 115	X505183	05-Feb-25	
EPA 200.7	Calcium	mg/L	19.0	20.0	94.8	85 - 115	X505183	05-Feb-25	
EPA 200.7	Chromium	mg/L	0.975	1.00	97.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Cobalt	mg/L	0.948	1.00	94.8	85 - 115	X505183	05-Feb-25	
EPA 200.7	Copper	mg/L	0.933	1.00	93.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Iron	mg/L	9.83	10.0	98.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Lead	mg/L	0.981	1.00	98.1	85 - 115	X505183	05-Feb-25	
EPA 200.7	Lithium	mg/L	0.906	1.00	90.6	85 - 115	X505183	05-Feb-25	
EPA 200.7	Magnesium	mg/L	18.2	20.0	91.1	85 - 115	X505183	05-Feb-25	
EPA 200.7	Manganese	mg/L	0.970	1.00	97.0	85 - 115	X505183	05-Feb-25	
EPA 200.7	Molybdenum	mg/L	0.985	1.00	98.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Nickel	mg/L	0.961	1.00	96.1	85 - 115	X505183	05-Feb-25	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Silver	mg/L	0.0472	0.0500	94.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.4	85 - 115	X505183	05-Feb-25	
EPA 200.7	Vanadium	mg/L	0.970	1.00	97.0	85 - 115	X505183	05-Feb-25	
EPA 200.7	Zinc	mg/L	0.945	1.00	94.5	85 - 115	X505183	05-Feb-25	
EPA 200.8	Antimony	mg/L	0.0242	0.0250	96.7	85 - 115	X505108	06-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0236	0.0250	94.4	85 - 115	X505108	06-Feb-25	
EPA 200.8	Selenium	mg/L	0.0222	0.0250	88.7	85 - 115	X505108	06-Feb-25	
EPA 200.8	Thallium	mg/L	0.0244	0.0250	97.6	85 - 115	X505108	06-Feb-25	
EPA 200.8	Uranium	mg/L	0.0244	0.0250	97.5	85 - 115	X505108	06-Feb-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00202	0.00200	101	85 - 115	X505158	03-Feb-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0997	0.100	99.7	90 - 110	X505035	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.0945	0.100	94.5	90 - 110	X505078	29-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X505021	30-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0998	0.100	99.8	90 - 110	X505079	28-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.3	9.93	104	94 - 106	X504154	24-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X504154	24-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X504181	28-Jan-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.93	3.00	97.5	90 - 110	X504135	23-Jan-25	
EPA 300.0	Fluoride	mg/L	1.94	2.00	97.2	90 - 110	X504135	23-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.95	2.00	97.7	90 - 110	X504135	23-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.48	4.50	99.6	90 - 110	X504135	23-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X504135	23-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X504135	23-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0284**
Reported: 07-Feb-25 11:05

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	<10.0	<10.0	UDL	20	X505019 - X5A0169-01	27-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	194	194	0.1	20	X504154 - X5A0174-01	24-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	194	194	0.1	20	X504154 - X5A0174-01	24-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X504154 - X5A0174-01	24-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X504154 - X5A0174-01	24-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	399	398	0.3	10	X504180 - X5A0296-02	28-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	632	658	4.0	10	X504180 - X5A0288-02	28-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X504181 - X5A0288-02	28-Jan-25	
SM 4500 H B	pH @19.5°C	pH Units	7.4	7.4	0.1	20	X504154 - X5A0174-01	24-Jan-25	

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	73.2	51.1	20.0	111	70 - 130	X505134 - X5A0244-02	30-Jan-25	
EPA 200.7	Calcium	mg/L	504	454	20.0	0.30R>S	70 - 130	X505134 - X5A0284-01	30-Jan-25	D18,M4
EPA 200.7	Magnesium	mg/L	26.7	5.38	20.0	107	70 - 130	X505134 - X5A0244-02	30-Jan-25	
EPA 200.7	Magnesium	mg/L	380	342	20.0	0.30R>S	70 - 130	X505134 - X5A0284-01	30-Jan-25	D18,M4
EPA 200.7	Potassium	mg/L	25.0	4.30	20.0	104	70 - 130	X505134 - X5A0244-02	30-Jan-25	
EPA 200.7	Potassium	mg/L	31.4	9.04	20.0	112	70 - 130	X505134 - X5A0284-01	30-Jan-25	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.992	<0.080	1.00	99.2	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Aluminum	mg/L	1770	1730	1.00	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Barium	mg/L	1.05	0.0149	1.00	104	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Barium	mg/L	1.07	<0.0100	1.00	107	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Beryllium	mg/L	0.982	<0.00200	1.00	98.2	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Beryllium	mg/L	1.92	0.909	1.00	101	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Boron	mg/L	1.07	<0.0400	1.00	104	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Boron	mg/L	1.09	<0.200	1.00	101	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Cadmium	mg/L	0.953	<0.0020	1.00	95.3	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Cadmium	mg/L	4.60	3.45	1.00	115	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Calcium	mg/L	616	612	20.0	0.30R>S	70 - 130	X505183 - X5A0251-01	05-Feb-25	M3
EPA 200.7	Calcium	mg/L	495	467	20.0	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Chromium	mg/L	0.983	<0.0060	1.00	98.3	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Chromium	mg/L	1.42	0.376	1.00	104	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Cobalt	mg/L	0.939	<0.0060	1.00	93.9	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Cobalt	mg/L	4.47	3.39	1.00	108	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Copper	mg/L	1.02	<0.0100	1.00	102	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Copper	mg/L	10.1	8.78	1.00	127	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Iron	mg/L	203	189	10.0	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Lead	mg/L	0.981	<0.0075	1.00	98.1	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Lead	mg/L	1.14	<0.0375	1.00	110	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Lithium	mg/L	1.25	0.063	1.00	119	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Lithium	mg/L	1.79	0.680	1.00	111	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Magnesium	mg/L	399	388	20.0	0.30R>S	70 - 130	X505183 - X5A0251-01	05-Feb-25	M3
EPA 200.7	Magnesium	mg/L	574	541	20.0	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Manganese	mg/L	1.07	0.0843	1.00	98.8	70 - 130	X505183 - X5A0251-01	05-Feb-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0284**
Reported: 07-Feb-25 11:05

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	464	467	1.00	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Molybdenum	mg/L	1.12	0.107	1.00	101	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Molybdenum	mg/L	1.05	<0.0400	1.00	105	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Nickel	mg/L	0.970	0.0106	1.00	95.9	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Nickel	mg/L	6.05	4.91	1.00	114	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Potassium	mg/L	32.7	12.4	20.0	102	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Potassium	mg/L	22.0	<2.50	20.0	104	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Silver	mg/L	0.0366	<0.0050	0.0500	73.2	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Silver	mg/L	0.0607	<0.0250	0.0500	121	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Sodium	mg/L	120	105	19.0	79.3	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Sodium	mg/L	55.9	36.1	19.0	104	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Vanadium	mg/L	1.01	<0.0050	1.00	101	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Vanadium	mg/L	1.05	0.0272	1.00	102	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Zinc	mg/L	0.993	0.0136	1.00	98.0	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Zinc	mg/L	141	135	1.00	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.8	Antimony	mg/L	0.0245	<0.00100	0.0250	98.0	70 - 130	X505108 - X5A0284-01	06-Feb-25	
EPA 200.8	Antimony	mg/L	0.0249	<0.00100	0.0250	99.6	70 - 130	X505108 - X5A0305-06	06-Feb-25	
EPA 200.8	Arsenic	mg/L	0.335	0.296	0.0250	0.30R>S	70 - 130	X505108 - X5A0284-01	06-Feb-25	M3
EPA 200.8	Arsenic	mg/L	0.0252	<0.00100	0.0250	99.5	70 - 130	X505108 - X5A0305-06	06-Feb-25	
EPA 200.8	Selenium	mg/L	0.0514	0.0214	0.0250	120	70 - 130	X505108 - X5A0284-01	06-Feb-25	
EPA 200.8	Selenium	mg/L	0.0278	<0.00100	0.0250	111	70 - 130	X505108 - X5A0305-06	06-Feb-25	
EPA 200.8	Thallium	mg/L	0.0280	<0.000200	0.0250	112	70 - 130	X505108 - X5A0284-01	06-Feb-25	
EPA 200.8	Thallium	mg/L	0.0227	<0.000200	0.0250	90.8	70 - 130	X505108 - X5A0305-06	06-Feb-25	
EPA 200.8	Uranium	mg/L	0.0251	0.000482	0.0250	98.6	70 - 130	X505108 - X5A0305-06	06-Feb-25	
EPA 200.8	Uranium	mg/L	1.91	1.97	0.0250	0.30R>S	70 - 130	X505108 - X5A0284-01	06-Feb-25	M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	<0.000200	0.00200	104	70 - 130	X505158 - X5A0281-01	03-Feb-25	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X505158 - X5A0308-01	03-Feb-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0978	<0.0050	0.100	97.8	79 - 121	X505035 - X5A0291-01	27-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X505078 - X5A0291-02	29-Jan-25	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X505078 - X5A0291-01	29-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.04	<0.030	1.00	103	90 - 110	X505021 - X5A0284-02	30-Jan-25	
EPA 350.1	Ammonia as N	mg/L	1.33	0.285	1.00	105	90 - 110	X505021 - X5A0284-01	30-Jan-25	
OIA 1677	Cyanide (WAD)	mg/L	0.111	<0.0050	0.100	111	82 - 118	X505079 - X5A0169-03	28-Jan-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	14.7	12.2	3.00	0.30R>S	90 - 110	X504135 - X5A0265-02	23-Jan-25	M4
EPA 300.0	Chloride	mg/L	67.0	65.6	3.00	0.30R>S	90 - 110	X504135 - X5A0274-02	24-Jan-25	M4
EPA 300.0	Fluoride	mg/L	3.56	1.46	2.00	105	90 - 110	X504135 - X5A0265-02	23-Jan-25	
EPA 300.0	Fluoride	mg/L	1.88	<0.100	2.00	91.3	90 - 110	X504135 - X5A0274-02	24-Jan-25	
EPA 300.0	Nitrate as N	mg/L	7.04	4.97	2.00	103	90 - 110	X504135 - X5A0265-02	23-Jan-25	
EPA 300.0	Nitrate as N	mg/L	3.01	0.957	2.00	103	90 - 110	X504135 - X5A0274-02	24-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	9.11	4.97	4.00	104	90 - 110	X504135 - X5A0265-02	23-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.11	0.957	4.00	104	90 - 110	X504135 - X5A0274-02	24-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.07	<0.050	2.00	104	90 - 110	X504135 - X5A0265-02	23-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.10	<0.050	2.00	105	90 - 110	X504135 - X5A0274-02	24-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	45.9	35.8	10.0	101	90 - 110	X504135 - X5A0265-02	23-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	298	295	10.0	0.30R>S	90 - 110	X504135 - X5A0274-02	24-Jan-25	M4

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0284**
Reported: 07-Feb-25 11:05

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	70.9	73.2	20.0	3.0	20	99	X505134 - X5A0244-02	
EPA 200.7	Magnesium	mg/L	25.7	26.7	20.0	3.9	20	102	X505134 - X5A0244-02	
EPA 200.7	Potassium	mg/L	24.1	25.0	20.0	3.6	20	99.2	X505134 - X5A0244-02	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.975	0.992	1.00	1.8	20	97.5	X505183 - X5A0251-01	
EPA 200.7	Barium	mg/L	1.04	1.05	1.00	1.0	20	103	X505183 - X5A0251-01	
EPA 200.7	Beryllium	mg/L	0.999	0.982	1.00	1.8	20	99.9	X505183 - X5A0251-01	
EPA 200.7	Boron	mg/L	1.05	1.07	1.00	2.0	20	102	X505183 - X5A0251-01	
EPA 200.7	Cadmium	mg/L	0.981	0.953	1.00	2.9	20	98.1	X505183 - X5A0251-01	
EPA 200.7	Calcium	mg/L	610	616	20.0	1.1	20	0.30R>S	X505183 - X5A0251-01	M3
EPA 200.7	Chromium	mg/L	1.00	0.983	1.00	1.7	20	100	X505183 - X5A0251-01	
EPA 200.7	Cobalt	mg/L	0.967	0.939	1.00	3.0	20	96.7	X505183 - X5A0251-01	
EPA 200.7	Copper	mg/L	1.04	1.02	1.00	1.8	20	104	X505183 - X5A0251-01	
EPA 200.7	Iron	mg/L	10.4	10.4	10.0	0.4	20	104	X505183 - X5A0251-01	
EPA 200.7	Lead	mg/L	1.01	0.981	1.00	3.1	20	101	X505183 - X5A0251-01	
EPA 200.7	Lithium	mg/L	1.24	1.25	1.00	1.1	20	117	X505183 - X5A0251-01	
EPA 200.7	Magnesium	mg/L	394	399	20.0	1.3	20	0.30R>S	X505183 - X5A0251-01	M3
EPA 200.7	Manganese	mg/L	1.09	1.07	1.00	1.4	20	100	X505183 - X5A0251-01	
EPA 200.7	Molybdenum	mg/L	1.15	1.12	1.00	2.7	20	104	X505183 - X5A0251-01	
EPA 200.7	Nickel	mg/L	1.00	0.970	1.00	3.2	20	99.1	X505183 - X5A0251-01	
EPA 200.7	Potassium	mg/L	32.7	32.7	20.0	0.1	20	102	X505183 - X5A0251-01	
EPA 200.7	Silver	mg/L	0.0363	0.0366	0.0500	0.8	20	72.6	X505183 - X5A0251-01	
EPA 200.7	Sodium	mg/L	119	120	19.0	0.6	20	75.8	X505183 - X5A0251-01	
EPA 200.7	Vanadium	mg/L	1.03	1.01	1.00	1.3	20	103	X505183 - X5A0251-01	
EPA 200.7	Zinc	mg/L	1.02	0.993	1.00	3.1	20	101	X505183 - X5A0251-01	
EPA 200.8	Antimony	mg/L	0.0247	0.0245	0.0250	0.7	20	98.7	X505108 - X5A0284-01	
EPA 200.8	Arsenic	mg/L	0.326	0.335	0.0250	2.8	20	121	X505108 - X5A0284-01	
EPA 200.8	Selenium	mg/L	0.0509	0.0514	0.0250	1.1	20	118	X505108 - X5A0284-01	
EPA 200.8	Thallium	mg/L	0.0280	0.0280	0.0250	0.2	20	111	X505108 - X5A0284-01	
EPA 200.8	Uranium	mg/L	1.83	1.91	0.0250	4.3	20	0.30R>S	X505108 - X5A0284-01	M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00205	0.00208	0.00200	1.4	20	102	X505158 - X5A0281-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0993	0.0978	0.100	1.5	11	99.3	X505035 - X5A0291-01	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.101	0.100	1.5	20	103	X505078 - X5A0291-02	
EPA 350.1	Ammonia as N	mg/L	1.07	1.04	1.00	2.5	20	105	X505021 - X5A0284-02	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.111	0.100	6.9	11	104	X505079 - X5A0169-03	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	14.9	14.7	3.00	1.7	20	91.5	X504135 - X5A0265-02	
EPA 300.0	Fluoride	mg/L	3.60	3.56	2.00	1.2	20	107	X504135 - X5A0265-02	
EPA 300.0	Nitrate as N	mg/L	7.09	7.04	2.00	0.8	20	106	X504135 - X5A0265-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	9.21	9.11	4.00	1.1	20	106	X504135 - X5A0265-02	
EPA 300.0	Nitrite as N	mg/L	2.12	2.07	2.00	2.0	20	106	X504135 - X5A0265-02	
EPA 300.0	Sulfate as SO4	mg/L	46.1	45.9	10.0	0.5	20	103	X504135 - X5A0265-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0284**
Victor, CO 80860	Reported: 07-Feb-25 11:05

Notes and Definitions

D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
D18	Due to a published chemical interference, a sample dilution was performed.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
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.
Q5C	After two pH adjustments, the method-specified pH was not achieved.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0334**
Victor, CO 80860	Reported: 12-Feb-25 15:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-15B	X5A0334-01	Ground Water	27-Jan-25 09:34	TR	28-Jan-2025	
GVMW-15A	X5A0334-02	Ground Water	27-Jan-25 10:51	TR	28-Jan-2025	
OSABH-17	X5A0334-03	Ground Water	27-Jan-25 11:55	TR	28-Jan-2025	Q5C
GVMW-10	X5A0334-04	Ground Water	27-Jan-25 13:34	TR	28-Jan-2025	Q5C

Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

Case Narrative: X5A0334

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X5A0334-01 (Ground Water)**

Sampled: 27-Jan-25 09:34
Received: 28-Jan-25
Sampled By: TR

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**	40.2	mg/L	0.100	0.069		X506089	SJN	02/06/25 15:13	
EPA 200.7	**Magnesium**	23.0	mg/L	0.500	0.090		X506089	SJN	02/06/25 15:13	
EPA 200.7	**Potassium**	2.19	mg/L	0.50	0.18		X506089	SJN	02/06/25 15:13	
SM 2340 B	**Hardness (as CaCO3)**	199	mg/L	2.31	0.543		N/A		02/05/25 10:25	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.348	mg/L	0.080	0.054		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Barium**	0.0186	mg/L	0.0020	0.0019		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Beryllium**	0.0290	mg/L	0.00200	0.00080		X505183	NMS	02/05/25 10:25	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X505183	NMS	02/05/25 10:25	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Calcium**	41.7	mg/L	0.100	0.069		X505183	NMS	02/05/25 10:25	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Cobalt**	0.0646	mg/L	0.0060	0.0046		X505183	NMS	02/05/25 10:25	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Iron**	24.1	mg/L	0.100	0.056		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Lead**	0.0540	mg/L	0.0075	0.0049		X505183	NMS	02/05/25 10:25	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Magnesium**	22.5	mg/L	0.500	0.090		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Manganese**	1.43	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:25	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Nickel**	0.117	mg/L	0.0100	0.0048		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Potassium**	2.25	mg/L	0.50	0.18		X505183	NMS	02/05/25 10:25	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Sodium**	14.1	mg/L	0.50	0.12		X505183	NMS	02/05/25 10:25	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:25	
EPA 200.7	**Zinc**	1.25	mg/L	0.0100	0.0054		X505183	NMS	02/05/25 10:25	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X506170	SMU	02/10/25 13:59	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X506170	SMU	02/10/25 13:59	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X506170	SMU	02/10/25 13:59	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X506170	SMU	02/10/25 13:59	
EPA 200.8	**Uranium**	0.00258	mg/L	0.000100	0.000052		X506170	SMU	02/10/25 13:59	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506081	MAC	02/11/25 15:41	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X506103	DD	02/05/25 17:00	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 12:40	
EPA 350.1	**Ammonia as N**	0.120	mg/L	0.030	0.013		X505176	DD	01/31/25 12:53	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X507061	DD	02/11/25 13:36	H1
SM 2310 B	**Acidity to pH 8.3**	23.9	mg/L as CaCO3	10.0			X506013	MWD	02/03/25 11:04	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:23	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:23	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:23	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:23	
SM 2540 C	**Total Diss. Solids**	429	mg/L	10			X505115	TJL	01/30/25 13:00	
SM 2540 D	**Total Susp. Solids**	8.0	mg/L	5.0			X505116	TJL	01/30/25 12:35	
SM 4500 H B	**pH @19.6°C**	4.2	pH Units				X505192	MWD	01/30/25 17:23	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X5A0334-01 (Ground Water)**

Sampled: 27-Jan-25 09:34
Received: 28-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.48	mg/L	0.20	0.02		X505045	RS	01/28/25 16:05	
EPA 300.0	**Fluoride**	0.408	mg/L	0.100	0.017		X505045	RS	01/28/25 16:05	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X505045	RS	01/28/25 16:05	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X505045	RS	01/28/25 16:05	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X505045	RS	01/28/25 16:05	
EPA 300.0	**Sulfate as SO4**	261	mg/L	3.00	1.80	10	X505045	RS	01/28/25 16:21	

Cation/Anion Balance and TDS Ratios

Cation Sum: 5.53 meq/L Anion Sum: 5.52 meq/L C/A Balance: 0.11 % Calculated TDS: 343 TDS/cTDS: 1.25

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X5A0334-02 (Ground Water)**

Sampled: 27-Jan-25 10:51
Received: 28-Jan-25
Sampled By: TR

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**	20.5	mg/L	0.100	0.069		X506089	SJN	02/06/25 15:25	
EPA 200.7	**Magnesium**	18.7	mg/L	0.500	0.090		X506089	SJN	02/06/25 15:25	
EPA 200.7	**Potassium**	1.98	mg/L	0.50	0.18		X506089	SJN	02/06/25 15:25	
SM 2340 B	**Hardness (as CaCO3)**	127	mg/L	2.31	0.543		N/A		02/06/25 15:25	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Barium**	0.0588	mg/L	0.0020	0.0019		X505183	NMS	02/05/25 10:29	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X505183	NMS	02/05/25 10:29	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X505183	NMS	02/05/25 10:29	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Calcium**	21.0	mg/L	0.100	0.069		X505183	NMS	02/05/25 10:29	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Cobalt**	0.0324	mg/L	0.0060	0.0046		X505183	NMS	02/05/25 10:29	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Iron**	33.3	mg/L	0.100	0.056		X505183	NMS	02/05/25 10:29	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X505183	NMS	02/05/25 10:29	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Magnesium**	18.1	mg/L	0.500	0.090		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Manganese**	2.05	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:29	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Nickel**	0.0642	mg/L	0.0100	0.0048		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Potassium**	2.13	mg/L	0.50	0.18		X505183	NMS	02/05/25 10:29	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Sodium**	15.5	mg/L	0.50	0.12		X505183	NMS	02/05/25 10:29	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:29	
EPA 200.7	**Zinc**	0.331	mg/L	0.0100	0.0054		X505183	NMS	02/05/25 10:29	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X506170	SMU	02/10/25 14:07	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X506170	SMU	02/10/25 14:07	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X506170	SMU	02/10/25 14:07	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X506170	SMU	02/10/25 14:07	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X506170	SMU	02/10/25 14:07	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506081	MAC	02/11/25 15:43	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X506103	DD	02/05/25 17:02	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 12:42	
EPA 350.1	**Ammonia as N**	0.058	mg/L	0.030	0.013		X505176	DD	01/31/25 12:55	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X507061	DD	02/11/25 13:37	H1
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X506013	MWD	02/03/25 11:04	
SM 2320 B	**Total Alkalinity**	4.1	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:28	
SM 2320 B	**Bicarbonate**	4.1	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:28	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:28	
SM 2540 C	**Total Diss. Solids**	301	mg/L	10			X505115	TJL	01/30/25 13:00	
SM 2540 D	**Total Susp. Solids**	22.0	mg/L	5.0			X505116	TJL	01/30/25 12:35	
SM 4500 H B	**pH @19.5°C**	5.8	pH Units				X505192	MWD	01/30/25 17:28	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X5A0334-02 (Ground Water)**

Sampled: 27-Jan-25 10:51
Received: 28-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.64	mg/L	0.20	0.02		X505045	RS	01/28/25 16:37	
EPA 300.0	**Fluoride**	0.349	mg/L	0.100	0.017		X505045	RS	01/28/25 16:37	
EPA 300.0	**Nitrate as N**	0.056	mg/L	0.050	0.013		X505045	RS	01/28/25 16:37	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X505045	RS	01/28/25 16:37	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X505045	RS	01/28/25 16:37	
EPA 300.0	**Sulfate as SO4**	184	mg/L	3.00	1.80	10	X505045	RS	01/28/25 16:53	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.53 meq/L Anion Sum: 3.98 meq/L C/A Balance: 6.45 % Calculated TDS: 245 TDS/cTDS: 1.23

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

Kristi A. Groth

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

Client Sample ID: **OSABH-17**
SVL Sample ID: **X5A0334-03 (Ground Water)**

Sampled: 27-Jan-25 11:55
Received: 28-Jan-25
Sampled By: TR

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**	456	mg/L	0.500	0.345	5	X506089	SJN	02/06/25 16:11	D11,D18
EPA 200.7	**Magnesium**	1710	mg/L	2.50	0.450	5	X506089	SJN	02/06/25 16:11	D11,D18
EPA 200.7	Potassium	< 2.50	mg/L	2.50	0.90	5	X506089	SJN	02/06/25 16:11	D11,D18
SM 2340 B	**Hardness (as CaCO3)**	7690	mg/L	21.8	4.57		N/A		02/06/25 16:11	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	4460	mg/L	0.800	0.540	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	Barium	< 0.0200	mg/L	0.0200	0.0190	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Beryllium**	0.766	mg/L	0.0200	0.00800	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	Boron	< 0.400	mg/L	0.400	0.0780	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Cadmium**	10.1	mg/L	0.0200	0.0160	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Calcium**	416	mg/L	1.00	0.690	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Chromium**	1.07	mg/L	0.0600	0.0200	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Cobalt**	21.5	mg/L	0.0600	0.0460	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Copper**	18.6	mg/L	0.100	0.0270	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Iron**	259	mg/L	1.00	0.560	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Lead**	0.118	mg/L	0.0750	0.0490	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Lithium**	2.06	mg/L	0.400	0.250	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Magnesium**	1590	mg/L	5.00	0.900	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Manganese**	1660	mg/L	0.800	0.340	100	X505183	NMS	02/05/25 11:11	D11
EPA 200.7	Molybdenum	< 0.0800	mg/L	0.0800	0.0340	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Nickel**	16.7	mg/L	0.100	0.0480	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	Potassium	< 5.00	mg/L	5.00	1.80	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	Silver	< 0.0500	mg/L	0.0500	0.0190	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Sodium**	12.4	mg/L	5.00	1.20	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	Vanadium	< 0.0500	mg/L	0.0500	0.0190	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.7	**Zinc**	346	mg/L	0.100	0.0540	10	X505183	NMS	02/05/25 10:32	D11
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X506170	SMU	02/10/25 14:09	D11
EPA 200.8	Arsenic	< 0.400	mg/L	0.400	0.0840	400	X506170	SMU	02/10/25 15:12	D11,D17
EPA 200.8	Selenium	< 0.400	mg/L	0.400	0.0960	400	X506170	SMU	02/10/25 15:12	D11,D17
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X506170	SMU	02/10/25 14:09	D11
EPA 200.8	**Uranium**	14.9	mg/L	0.0100	0.00520	100	X506170	SMU	02/10/25 14:09	D11
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506081	MAC	02/11/25 15:49	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X506103	DD	02/05/25 17:04	D15
EPA 335.4	**Cyanide (total)**	0.0442	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 12:44	M2
EPA 350.1	**Ammonia as N**	0.100	mg/L	0.030	0.013		X505176	DD	01/31/25 12:57	B10
OIA 1677	Cyanide (WAD)	< 0.100	mg/L	0.100	0.0200	20	X507061	DD	02/11/25 13:39	D13,H1,Q12
SM 2310 B	**Acidity to pH 8.3**	27400	mg/L as CaCO3	10.0			X506013	MWD	02/03/25 11:04	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:33	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:33	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:33	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:33	
SM 2540 C	**Total Diss. Solids**	50700	mg/L	100			X505115	TJL	01/30/25 13:00	E11
SM 2540 D	**Total Susp. Solids**	114	mg/L	5.0			X505116	TJL	01/30/25 12:35	
SM 4500 H B	**pH @19.5°C**	2.8	pH Units				X505192	MWD	01/30/25 17:33	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

Client Sample ID: **OSABH-17**
SVL Sample ID: **X5A0334-03 (Ground Water)**

Sampled: 27-Jan-25 11:55
Received: 28-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	16.4	mg/L	10.0	1.10	50	X505045	RS	01/28/25 17:09	
EPA 300.0	**Fluoride**	705	mg/L	100	17.0	1000	X505045	RS	01/28/25 17:24	
EPA 300.0	**Nitrate as N**	3.84	mg/L	2.50	0.650	50	X505045	RS	01/28/25 17:09	D18
EPA 300.0	Nitrate+Nitrite as N	< 5.00	mg/L	5.00	2.20	50	X505045	RS	01/28/25 17:09	D18
EPA 300.0	Nitrite as N	< 2.50	mg/L	2.50	1.55	50	X505045	RS	01/28/25 17:09	D18
EPA 300.0	**Sulfate as SO4**	38200	mg/L	300	180	1000	X505045	RS	01/28/25 17:24	

Cation/Anion Balance and TDS Ratios

Cation Sum: 729 meq/L Anion Sum: 833 meq/L C/A Balance: -6.63 % Calculated TDS: 41020 TDS/cTDS: 1.24

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

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Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

Client Sample ID: **GVMW-10**
SVL Sample ID: **X5A0334-04 (Ground Water)**

Sampled: 27-Jan-25 13:34
Received: 28-Jan-25
Sampled By: TR

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**	411	mg/L	0.100	0.069		X506089	SJN	02/06/25 15:33	
EPA 200.7	**Magnesium**	170	mg/L	0.500	0.090		X506089	SJN	02/06/25 15:33	
EPA 200.7	**Potassium**	2.63	mg/L	0.50	0.18		X506089	SJN	02/06/25 15:33	
SM 2340 B	**Hardness (as CaCO3)**	1730	mg/L	2.31	0.543		N/A		02/05/25 10:36	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Barium**	0.0173	mg/L	0.0020	0.0019		X505183	NMS	02/05/25 10:36	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X505183	NMS	02/05/25 10:36	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X505183	NMS	02/05/25 10:36	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Calcium**	414	mg/L	0.100	0.069		X505183	NMS	02/05/25 10:36	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X505183	NMS	02/05/25 10:36	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Copper**	0.0106	mg/L	0.0100	0.0027		X505183	NMS	02/05/25 10:36	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X505183	NMS	02/05/25 10:36	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Lithium**	0.099	mg/L	0.040	0.025		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Magnesium**	170	mg/L	0.500	0.090		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Manganese**	1.61	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Molybdenum**	0.0339	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Nickel**	0.0111	mg/L	0.0100	0.0048		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Potassium**	2.82	mg/L	0.50	0.18		X505183	NMS	02/05/25 10:36	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Sodium**	39.3	mg/L	0.50	0.12		X505183	NMS	02/05/25 10:36	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:36	
EPA 200.7	**Zinc**	0.150	mg/L	0.0100	0.0054		X505183	NMS	02/05/25 10:36	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X506170	SMU	02/10/25 14:12	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X506170	SMU	02/10/25 14:12	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X506170	SMU	02/10/25 14:12	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X506170	SMU	02/10/25 14:12	
EPA 200.8	**Uranium**	0.0352	mg/L	0.000100	0.000052		X506170	SMU	02/10/25 14:12	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506081	MAC	02/11/25 15:52	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X506103	DD	02/07/25 13:52	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 12:46	
EPA 350.1	**Ammonia as N**	0.045	mg/L	0.030	0.013		X505176	DD	01/31/25 12:59	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X507061	DD	02/11/25 13:40	H1
SM 2310 B	**Acidity to pH 8.3**	-359	mg/L as CaCO3	10.0			X506013	MWD	02/03/25 11:04	
SM 2320 B	**Total Alkalinity**	334	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:39	
SM 2320 B	**Bicarbonate**	334	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:39	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 17:39	
SM 2540 C	**Total Diss. Solids**	2300	mg/L	40			X505115	TJL	01/30/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X505116	TJL	01/30/25 12:35	
SM 4500 H B	**pH @19.6°C**	7.1	pH Units				X505192	MWD	01/30/25 17:39	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

Client Sample ID: **GVMW-10**
SVL Sample ID: **X5A0334-04 (Ground Water)**

Sampled: 27-Jan-25 13:34
Received: 28-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.40	mg/L	0.20	0.02		X505045	RS	01/28/25 17:40	
EPA 300.0	**Fluoride**	1.25	mg/L	0.100	0.017		X505045	RS	01/28/25 17:40	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X505045	RS	01/28/25 17:40	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X505045	RS	01/28/25 17:40	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X505045	RS	01/28/25 17:40	
EPA 300.0	**Sulfate as SO4**	1410	mg/L	15.0	9.00	50	X505045	RS	01/28/25 17:56	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 36.4 meq/L Anion Sum: 36.3 meq/L C/A Balance: 0.16 % Calculated TDS: 2242 TDS/cTDS: 1.03

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

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	X506089	06-Feb-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X506089	06-Feb-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X506089	06-Feb-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X505183	05-Feb-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X505183	05-Feb-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X505183	05-Feb-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X505183	05-Feb-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X505183	05-Feb-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X505183	05-Feb-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X505183	05-Feb-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X505183	05-Feb-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X505183	05-Feb-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X505183	05-Feb-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X505183	05-Feb-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X505183	05-Feb-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X505183	05-Feb-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X505183	05-Feb-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X505183	05-Feb-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X505183	05-Feb-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X505183	05-Feb-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X505183	05-Feb-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X505183	05-Feb-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X505183	05-Feb-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X505183	05-Feb-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X506170	10-Feb-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X506170	10-Feb-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X506170	10-Feb-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X506170	10-Feb-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X506170	10-Feb-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X506081	11-Feb-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X506103	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X506019	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X505176	31-Jan-25	B10
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X507061	11-Feb-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X506013	03-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X505192	30-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X505192	30-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X505192	30-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X505192	30-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X505115	30-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X505116	30-Jan-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X505045	28-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X505045	28-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X505045	28-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X505045	28-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X505045	28-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X505045	28-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

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	20.4	20.0	102	85 - 115	X506089	06-Feb-25	
EPA 200.7	Magnesium	mg/L	20.7	20.0	103	85 - 115	X506089	06-Feb-25	
EPA 200.7	Potassium	mg/L	20.7	20.0	104	85 - 115	X506089	06-Feb-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.902	1.00	90.2	85 - 115	X505183	05-Feb-25	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X505183	05-Feb-25	
EPA 200.7	Beryllium	mg/L	0.945	1.00	94.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Boron	mg/L	0.943	1.00	94.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Cadmium	mg/L	0.986	1.00	98.6	85 - 115	X505183	05-Feb-25	
EPA 200.7	Calcium	mg/L	19.0	20.0	94.8	85 - 115	X505183	05-Feb-25	
EPA 200.7	Chromium	mg/L	0.975	1.00	97.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Cobalt	mg/L	0.948	1.00	94.8	85 - 115	X505183	05-Feb-25	
EPA 200.7	Copper	mg/L	0.933	1.00	93.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Iron	mg/L	9.83	10.0	98.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Lead	mg/L	0.981	1.00	98.1	85 - 115	X505183	05-Feb-25	
EPA 200.7	Lithium	mg/L	0.906	1.00	90.6	85 - 115	X505183	05-Feb-25	
EPA 200.7	Magnesium	mg/L	18.2	20.0	91.1	85 - 115	X505183	05-Feb-25	
EPA 200.7	Manganese	mg/L	0.970	1.00	97.0	85 - 115	X505183	05-Feb-25	
EPA 200.7	Molybdenum	mg/L	0.985	1.00	98.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Nickel	mg/L	0.961	1.00	96.1	85 - 115	X505183	05-Feb-25	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Silver	mg/L	0.0472	0.0500	94.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.4	85 - 115	X505183	05-Feb-25	
EPA 200.7	Vanadium	mg/L	0.970	1.00	97.0	85 - 115	X505183	05-Feb-25	
EPA 200.7	Zinc	mg/L	0.945	1.00	94.5	85 - 115	X505183	05-Feb-25	
EPA 200.8	Antimony	mg/L	0.0233	0.0250	93.1	85 - 115	X506170	10-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0238	0.0250	95.1	85 - 115	X506170	10-Feb-25	
EPA 200.8	Selenium	mg/L	0.0231	0.0250	92.5	85 - 115	X506170	10-Feb-25	
EPA 200.8	Thallium	mg/L	0.0234	0.0250	93.5	85 - 115	X506170	10-Feb-25	
EPA 200.8	Uranium	mg/L	0.0223	0.0250	89.4	85 - 115	X506170	10-Feb-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00206	0.00200	103	85 - 115	X506081	11-Feb-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.108	0.100	108	90 - 110	X506103	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.0998	0.100	99.8	90 - 110	X506019	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X505176	31-Jan-25	B10
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X507061	11-Feb-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	717	706	102	95.4 - 104	X506013	03-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.2	9.93	103	94 - 106	X505192	30-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	99.4	99.3	100	94 - 106	X505192	30-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	404	397	102	94 - 106	X505192	30-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X505116	30-Jan-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.03	3.00	101	90 - 110	X505045	28-Jan-25	
EPA 300.0	Fluoride	mg/L	2.06	2.00	103	90 - 110	X505045	28-Jan-25	
EPA 300.0	Nitrate as N	mg/L	2.01	2.00	100	90 - 110	X505045	28-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.57	4.50	102	90 - 110	X505045	28-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.56	2.50	103	90 - 110	X505045	28-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	10.0	10.0	100	90 - 110	X505045	28-Jan-25	

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Newmont - Cripple Creek & Victor
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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

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	<10.0	<10.0	UDL	20	X506013 - X5A0288-01	03-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	199	199	0.2	20	X505192 - X5A0299-02	30-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	199	199	0.2	20	X505192 - X5A0299-02	30-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X505192 - X5A0299-02	30-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X505192 - X5A0299-02	30-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	302	301	0.3	10	X505115 - X5A0334-02	30-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	22.0	22.0	0.0	10	X505116 - X5A0334-02	30-Jan-25	
SM 4500 H B	pH @19.4°C	pH Units	8.0	8.0	0.3	20	X505192 - X5A0299-02	30-Jan-25	

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	71.8	51.2	20.0	103	70 - 130	X506089 - X5A0329-01	06-Feb-25	
EPA 200.7	Calcium	mg/L	485	477	20.0	0.30R>S	70 - 130	X506089 - X5A0351-03	06-Feb-25	D18,M4
EPA 200.7	Magnesium	mg/L	28.1	7.23	20.0	105	70 - 130	X506089 - X5A0329-01	06-Feb-25	
EPA 200.7	Magnesium	mg/L	560	554	20.0	0.30R>S	70 - 130	X506089 - X5A0351-03	06-Feb-25	D18,M4
EPA 200.7	Potassium	mg/L	44.0	23.6	20.0	102	70 - 130	X506089 - X5A0329-01	06-Feb-25	
EPA 200.7	Potassium	mg/L	21.2	<5.00	20.0	106	70 - 130	X506089 - X5A0351-03	06-Feb-25	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.992	<0.080	1.00	99.2	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Aluminum	mg/L	1770	1730	1.00	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Barium	mg/L	1.05	0.0149	1.00	104	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Barium	mg/L	1.07	<0.0100	1.00	107	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Beryllium	mg/L	0.982	<0.00200	1.00	98.2	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Beryllium	mg/L	1.92	0.909	1.00	101	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Boron	mg/L	1.07	<0.0400	1.00	104	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Boron	mg/L	1.09	<0.200	1.00	101	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Cadmium	mg/L	0.953	<0.0020	1.00	95.3	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Cadmium	mg/L	4.60	3.45	1.00	115	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Calcium	mg/L	616	612	20.0	0.30R>S	70 - 130	X505183 - X5A0251-01	05-Feb-25	M3
EPA 200.7	Calcium	mg/L	495	467	20.0	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Chromium	mg/L	0.983	<0.0060	1.00	98.3	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Chromium	mg/L	1.42	0.376	1.00	104	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Cobalt	mg/L	0.939	<0.0060	1.00	93.9	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Cobalt	mg/L	4.47	3.39	1.00	108	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Copper	mg/L	1.02	<0.0100	1.00	102	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Copper	mg/L	10.1	8.78	1.00	127	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Iron	mg/L	203	189	10.0	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Lead	mg/L	0.981	<0.0075	1.00	98.1	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Lead	mg/L	1.14	<0.0375	1.00	110	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Lithium	mg/L	1.25	0.063	1.00	119	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Lithium	mg/L	1.79	0.680	1.00	111	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Magnesium	mg/L	399	388	20.0	0.30R>S	70 - 130	X505183 - X5A0251-01	05-Feb-25	M3
EPA 200.7	Magnesium	mg/L	574	541	20.0	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Manganese	mg/L	1.07	0.0843	1.00	98.8	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Manganese	mg/L	464	467	1.00	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4

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

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

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	1.12	0.107	1.00	101	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Molybdenum	mg/L	1.05	<0.0400	1.00	105	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Nickel	mg/L	0.970	0.0106	1.00	95.9	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Nickel	mg/L	6.05	4.91	1.00	114	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Potassium	mg/L	32.7	12.4	20.0	102	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Potassium	mg/L	22.0	<2.50	20.0	104	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Silver	mg/L	0.0366	<0.0050	0.0500	73.2	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Silver	mg/L	0.0607	<0.0250	0.0500	121	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Sodium	mg/L	120	105	19.0	79.3	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Sodium	mg/L	55.9	36.1	19.0	104	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Vanadium	mg/L	1.01	<0.0050	1.00	101	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Vanadium	mg/L	1.05	0.0272	1.00	102	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Zinc	mg/L	0.993	0.0136	1.00	98.0	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Zinc	mg/L	141	135	1.00	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.8	Antimony	mg/L	0.0244	<0.00100	0.0250	97.7	70 - 130	X506170 - X5A0334-01	10-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0244	<0.00100	0.0250	97.6	70 - 130	X506170 - X5A0334-01	10-Feb-25	
EPA 200.8	Selenium	mg/L	0.0230	<0.00100	0.0250	92.0	70 - 130	X506170 - X5A0334-01	10-Feb-25	
EPA 200.8	Thallium	mg/L	0.0238	<0.000200	0.0250	95.1	70 - 130	X506170 - X5A0334-01	10-Feb-25	
EPA 200.8	Uranium	mg/L	0.0256	0.00258	0.0250	92.2	70 - 130	X506170 - X5A0334-01	10-Feb-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	<0.000200	0.00200	101	70 - 130	X506081 - X5A0313-01	11-Feb-25	
EPA 245.1	Mercury	mg/L	0.00201	<0.000200	0.00200	100	70 - 130	X506081 - X5A0372-01	11-Feb-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.114	<0.0050	0.100	114	79 - 121	X506103 - X5A0313-01	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.136	0.0442	0.100	92.1	90 - 110	X506019 - X5A0334-03	04-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.0987	<0.0050	0.100	98.7	90 - 110	X506019 - X5A0334-01	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	1.06	0.043	1.00	102	90 - 110	X505176 - X5A0249-03	31-Jan-25	B10
EPA 350.1	Ammonia as N	mg/L	1.09	<0.030	1.00	109	90 - 110	X505176 - X5A0249-01	31-Jan-25	B10
OIA 1677	Cyanide (WAD)	mg/L	0.103	<0.0050	0.100	102	82 - 118	X507061 - X5A0334-01	11-Feb-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	16.3	13.4	3.00	99.9	90 - 110	X505045 - X5A0289-05	28-Jan-25	
EPA 300.0	Chloride	mg/L	5.57	2.51	3.00	102	90 - 110	X505045 - X5A0306-02	28-Jan-25	
EPA 300.0	Fluoride	mg/L	2.22	0.203	2.00	101	90 - 110	X505045 - X5A0289-05	28-Jan-25	
EPA 300.0	Fluoride	mg/L	2.06	<0.100	2.00	98.3	90 - 110	X505045 - X5A0306-02	28-Jan-25	
EPA 300.0	Nitrate as N	mg/L	2.52	0.524	2.00	100	90 - 110	X505045 - X5A0289-05	28-Jan-25	
EPA 300.0	Nitrate as N	mg/L	47.4	45.6	2.00	92.5	90 - 110	X505045 - X5A0306-02	28-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	0.576	4.00	99.6	90 - 110	X505045 - X5A0289-05	28-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	50.8	47.0	4.00	96.5	90 - 110	X505045 - X5A0306-02	28-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X505045 - X5A0289-05	28-Jan-25	
EPA 300.0	Nitrite as N	mg/L	3.40	1.40	2.00	100	90 - 110	X505045 - X5A0306-02	28-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	62.1	53.8	10.0	0.30R>S	90 - 110	X505045 - X5A0289-05	28-Jan-25	M4
EPA 300.0	Sulfate as SO4	mg/L	79.6	68.3	10.0	0.30R>S	90 - 110	X505045 - X5A0306-02	28-Jan-25	M4

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0334**
Reported: 12-Feb-25 15:37

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	74.4	71.8	20.0	3.0	20	116	X506089 - X5A0329-01	
EPA 200.7	Magnesium	mg/L	29.1	28.1	20.0	3.3	20	109	X506089 - X5A0329-01	
EPA 200.7	Potassium	mg/L	45.5	44.0	20.0	3.5	20	110	X506089 - X5A0329-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.975	0.992	1.00	1.8	20	97.5	X505183 - X5A0251-01	
EPA 200.7	Barium	mg/L	1.04	1.05	1.00	1.0	20	103	X505183 - X5A0251-01	
EPA 200.7	Beryllium	mg/L	0.999	0.982	1.00	1.8	20	99.9	X505183 - X5A0251-01	
EPA 200.7	Boron	mg/L	1.05	1.07	1.00	2.0	20	102	X505183 - X5A0251-01	
EPA 200.7	Cadmium	mg/L	0.981	0.953	1.00	2.9	20	98.1	X505183 - X5A0251-01	
EPA 200.7	Calcium	mg/L	610	616	20.0	1.1	20	0.30R>S	X505183 - X5A0251-01	M3
EPA 200.7	Chromium	mg/L	1.00	0.983	1.00	1.7	20	100	X505183 - X5A0251-01	
EPA 200.7	Cobalt	mg/L	0.967	0.939	1.00	3.0	20	96.7	X505183 - X5A0251-01	
EPA 200.7	Copper	mg/L	1.04	1.02	1.00	1.8	20	104	X505183 - X5A0251-01	
EPA 200.7	Iron	mg/L	10.4	10.4	10.0	0.4	20	104	X505183 - X5A0251-01	
EPA 200.7	Lead	mg/L	1.01	0.981	1.00	3.1	20	101	X505183 - X5A0251-01	
EPA 200.7	Lithium	mg/L	1.24	1.25	1.00	1.1	20	117	X505183 - X5A0251-01	
EPA 200.7	Magnesium	mg/L	394	399	20.0	1.3	20	0.30R>S	X505183 - X5A0251-01	M3
EPA 200.7	Manganese	mg/L	1.09	1.07	1.00	1.4	20	100	X505183 - X5A0251-01	
EPA 200.7	Molybdenum	mg/L	1.15	1.12	1.00	2.7	20	104	X505183 - X5A0251-01	
EPA 200.7	Nickel	mg/L	1.00	0.970	1.00	3.2	20	99.1	X505183 - X5A0251-01	
EPA 200.7	Potassium	mg/L	32.7	32.7	20.0	0.1	20	102	X505183 - X5A0251-01	
EPA 200.7	Silver	mg/L	0.0363	0.0366	0.0500	0.8	20	72.6	X505183 - X5A0251-01	
EPA 200.7	Sodium	mg/L	119	120	19.0	0.6	20	75.8	X505183 - X5A0251-01	
EPA 200.7	Vanadium	mg/L	1.03	1.01	1.00	1.3	20	103	X505183 - X5A0251-01	
EPA 200.7	Zinc	mg/L	1.02	0.993	1.00	3.1	20	101	X505183 - X5A0251-01	
EPA 200.8	Antimony	mg/L	0.0248	0.0244	0.0250	1.5	20	99.2	X506170 - X5A0334-01	
EPA 200.8	Arsenic	mg/L	0.0244	0.0244	0.0250	0.1	20	97.5	X506170 - X5A0334-01	
EPA 200.8	Selenium	mg/L	0.0244	0.0230	0.0250	6.0	20	97.6	X506170 - X5A0334-01	
EPA 200.8	Thallium	mg/L	0.0234	0.0238	0.0250	1.8	20	93.4	X506170 - X5A0334-01	
EPA 200.8	Uranium	mg/L	0.0254	0.0256	0.0250	1.0	20	91.2	X506170 - X5A0334-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00199	0.00202	0.00200	1.5	20	99.6	X506081 - X5A0313-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.117	0.114	0.100	2.6	11	117	X506103 - X5A0313-01	
EPA 335.4	Cyanide (total)	mg/L	0.125	0.136	0.100	8.5	20	81.0	X506019 - X5A0334-03	M2
EPA 350.1	Ammonia as N	mg/L	<0.030	1.06	1.00	N/A	20	-4.29	X505176 - X5A0249-03	B10
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.103	0.100	1.0	11	101	X507061 - X5A0334-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	16.3	16.3	3.00	0.3	20	98.5	X505045 - X5A0289-05	
EPA 300.0	Fluoride	mg/L	2.22	2.22	2.00	0.2	20	101	X505045 - X5A0289-05	
EPA 300.0	Nitrate as N	mg/L	2.52	2.52	2.00	0.3	20	99.7	X505045 - X5A0289-05	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	4.56	4.00	0.1	20	99.7	X505045 - X5A0289-05	
EPA 300.0	Nitrite as N	mg/L	2.05	2.04	2.00	0.5	20	102	X505045 - X5A0289-05	
EPA 300.0	Sulfate as SO4	mg/L	61.8	62.1	10.0	0.4	20	0.30R>S	X505045 - X5A0289-05	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0334**
Victor, CO 80860	Reported: 12-Feb-25 15:37

Notes and Definitions

B10	Target analyte detected in method blank above laboratory acceptance limit but below reporting limit.
D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
D13	Due to noticeable turbidity or opacity, a sample dilution was performed.
D15	Due to sample viscosity, a sample dilution was performed.
D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
D18	Due to a published chemical interference, a sample dilution was performed.
E11	Sample exceeds method-specified limit for solids content.
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.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
Q12	Sample was received and analyzed with pH <12.
Q5C	After two pH adjustments, the method-specified pH was not achieved.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0351**
Victor, CO 80860	Reported: 13-Feb-25 16:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-25	X5A0351-01	Ground Water	28-Jan-25 12:16	JC	29-Jan-2025	Q5
GVMW-27	X5A0351-02	Ground Water	28-Jan-25 13:25	JC	29-Jan-2025	Q5
GVMW-28	X5A0351-03	Ground Water	28-Jan-25 09:17	JC	29-Jan-2025	Q5C

Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

Case Narrative: X5A0351

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

Client Sample ID: **GVMW-25**
SVL Sample ID: **X5A0351-01 (Ground Water)**

Sampled: 28-Jan-25 12:16
Received: 29-Jan-25
Sampled By: JC

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**	407	mg/L	0.100	0.069		X506089	SJN	02/06/25 15:36	
EPA 200.7	**Magnesium**	239	mg/L	0.500	0.090		X506089	SJN	02/06/25 15:36	
EPA 200.7	**Potassium**	8.06	mg/L	0.50	0.18		X506089	SJN	02/06/25 15:36	
SM 2340 B	**Hardness (as CaCO3)**	2030	mg/L	2.31	0.543		N/A		02/05/25 10:47	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	408	mg/L	0.080	0.054		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Barium**	0.0181	mg/L	0.0020	0.0019		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Beryllium**	0.301	mg/L	0.00200	0.00080		X505183	NMS	02/05/25 10:47	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Cadmium**	0.852	mg/L	0.0020	0.0016		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Calcium**	418	mg/L	0.100	0.069		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Chromium**	0.0324	mg/L	0.0060	0.0020		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Cobalt**	0.957	mg/L	0.0060	0.0046		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Copper**	1.48	mg/L	0.0100	0.0027		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Iron**	3.10	mg/L	0.100	0.056		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Lead**	0.0147	mg/L	0.0075	0.0049		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Lithium**	0.256	mg/L	0.040	0.025		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Magnesium**	253	mg/L	0.500	0.090		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Manganese**	121	mg/L	0.0800	0.0340	10	X505183	NMS	02/05/25 11:14	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Nickel**	1.49	mg/L	0.0100	0.0048		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Potassium**	8.05	mg/L	0.50	0.18		X505183	NMS	02/05/25 10:47	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Sodium**	40.0	mg/L	0.50	0.12		X505183	NMS	02/05/25 10:47	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:47	
EPA 200.7	**Zinc**	30.3	mg/L	0.0100	0.0054		X505183	NMS	02/05/25 10:47	
EPA 200.8	**Antimony**	0.00115	mg/L	0.00100	0.00072		X506004	SMU	02/12/25 15:22	
EPA 200.8	**Arsenic**	0.0834	mg/L	0.00100	0.00021		X506004	SMU	02/12/25 15:22	
EPA 200.8	**Selenium**	0.00747	mg/L	0.00100	0.00024		X506004	SMU	02/12/25 15:22	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X506004	SMU	02/12/25 15:22	
EPA 200.8	**Uranium**	1.37	mg/L	0.000100	0.000052		X506004	SMU	02/12/25 15:22	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506081	MAC	02/11/25 15:58	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X506103	DD	02/07/25 13:54	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 12:50	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X505185	DD	01/31/25 11:37	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X507061	DD	02/11/25 13:42	
SM 2310 B	**Acidity to pH 8.3**	2010	mg/L as CaCO3	10.0			X506013	MWD	02/03/25 11:04	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	02/03/25 11:30	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	02/03/25 11:30	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	02/03/25 11:30	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	02/03/25 11:30	
SM 2540 C	**Total Diss. Solids**	5210	mg/L	40			X505179	TJL	01/31/25 13:25	
SM 2540 D	**Total Susp. Solids**	7.0	mg/L	5.0			X505180	TJL	01/31/25 13:00	
SM 4500 H B	**pH @18.5°C**	3.6	pH Units				X505192	MWD	02/03/25 11:30	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

Client Sample ID: **GVMW-25**
SVL Sample ID: **X5A0351-01 (Ground Water)**

Sampled: 28-Jan-25 12:16
Received: 29-Jan-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	19.3	mg/L	1.00	0.11	5	X505144	RS	01/29/25 17:48	
EPA 300.0	**Fluoride**	17.2	mg/L	0.500	0.085	5	X505144	RS	01/29/25 17:48	
EPA 300.0	**Nitrate as N**	2.87	mg/L	0.250	0.065	5	X505144	RS	01/29/25 17:48	D18
EPA 300.0	**Nitrate+Nitrite as N**	2.87	mg/L	0.500	0.220	5	X505144	RS	01/29/25 17:48	D18
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X505144	RS	01/29/25 17:48	D18
EPA 300.0	**Sulfate as SO4**	4150	mg/L	30.0	18.0	100	X505144	RS	01/29/25 18:05	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 92.8 meq/L Anion Sum: 88.1 meq/L C/A Balance: 2.63 % Calculated TDS: 4906 TDS/cTDS: 1.06

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

Client Sample ID: **GVMW-27**
SVL Sample ID: **X5A0351-02 (Ground Water)**

Sampled: 28-Jan-25 13:25
Received: 29-Jan-25
Sampled By: JC

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**	398	mg/L	0.100	0.069		X506089	SJN	02/06/25 15:40	
EPA 200.7	**Magnesium**	163	mg/L	0.500	0.090		X506089	SJN	02/06/25 15:40	
EPA 200.7	**Potassium**	5.28	mg/L	0.50	0.18		X506089	SJN	02/06/25 15:40	
SM 2340 B	**Hardness (as CaCO3)**	1660	mg/L	2.31	0.543		N/A		02/06/25 15:40	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	179	mg/L	0.080	0.054		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Barium**	0.0136	mg/L	0.0020	0.0019		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Beryllium**	0.141	mg/L	0.00200	0.00080		X505183	NMS	02/05/25 10:50	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Cadmium**	0.416	mg/L	0.0020	0.0016		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Calcium**	397	mg/L	0.100	0.069		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Chromium**	0.0092	mg/L	0.0060	0.0020		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Cobalt**	0.359	mg/L	0.0060	0.0046		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Copper**	0.455	mg/L	0.0100	0.0027		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Iron**	0.673	mg/L	0.100	0.056		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Lead**	0.0082	mg/L	0.0075	0.0049		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Lithium**	0.145	mg/L	0.040	0.025		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Magnesium**	161	mg/L	0.500	0.090		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Manganese**	67.1	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:50	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Nickel**	0.683	mg/L	0.0100	0.0048		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Potassium**	5.15	mg/L	0.50	0.18		X505183	NMS	02/05/25 10:50	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Sodium**	39.6	mg/L	0.50	0.12		X505183	NMS	02/05/25 10:50	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X505183	NMS	02/05/25 10:50	
EPA 200.7	**Zinc**	15.6	mg/L	0.0100	0.0054		X505183	NMS	02/05/25 10:50	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X506004	SMU	02/12/25 15:25	
EPA 200.8	**Arsenic**	0.0358	mg/L	0.00100	0.00021		X506004	SMU	02/12/25 15:25	
EPA 200.8	**Selenium**	0.00358	mg/L	0.00100	0.00024		X506004	SMU	02/12/25 15:25	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X506004	SMU	02/12/25 15:25	
EPA 200.8	**Uranium**	0.583	mg/L	0.000100	0.000052		X506004	SMU	02/12/25 15:25	M3
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506081	MAC	02/11/25 16:00	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X506103	DD	02/07/25 13:56	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 12:52	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X505185	DD	01/31/25 11:39	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X507061	DD	02/11/25 13:43	
SM 2310 B	**Acidity to pH 8.3**	1070	mg/L as CaCO3	10.0			X506013	MWD	02/03/25 11:04	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 18:28	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 18:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 18:28	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 18:28	
SM 2540 C	**Total Diss. Solids**	3720	mg/L	40			X505179	TJL	01/31/25 13:25	
SM 2540 D	**Total Susp. Solids**	9.0	mg/L	5.0			X505180	TJL	01/31/25 13:00	
SM 4500 H B	**pH @19.6°C**	4.0	pH Units				X505192	MWD	01/30/25 18:28	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

Client Sample ID: **GVMW-27**
SVL Sample ID: **X5A0351-02 (Ground Water)**

Sampled: 28-Jan-25 13:25
Received: 29-Jan-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	29.5	mg/L	10.0	1.10	50	X505144	RS	01/29/25 19:11	
EPA 300.0	**Fluoride**	33.8	mg/L	5.00	0.850	50	X505144	RS	01/29/25 19:11	M4
EPA 300.0	**Nitrate as N**	1.63	mg/L	0.050	0.013		X505144	RS	01/29/25 18:54	
EPA 300.0	**Nitrate+Nitrite as N**	1.65	mg/L	0.100	0.044		X505144	RS	01/29/25 18:54	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X505144	RS	01/29/25 18:54	
EPA 300.0	**Sulfate as SO4**	2720	mg/L	30.0	18.0	100	X505144	RS	01/30/25 17:16	M4
Cation/Anion Balance and TDS Ratios										

Cation Sum: 57.8 meq/L Anion Sum: 59.4 meq/L C/A Balance: -1.35 % Calculated TDS: 3395 TDS/cTDS: 1.10

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

Kristi A. Groth

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

Client Sample ID: **GVMW-28**
SVL Sample ID: **X5A0351-03 (Ground Water)**

Sampled: 28-Jan-25 09:17
Received: 29-Jan-25
Sampled By: JC

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**	477	mg/L	1.00	0.690	10	X506089	SJN	02/06/25 15:44	D18,M4
EPA 200.7	**Magnesium**	554	mg/L	5.00	0.900	10	X506089	SJN	02/06/25 15:44	D18,M4
EPA 200.7	Potassium	< 5.00	mg/L	5.00	1.80	10	X506089	SJN	02/06/25 15:44	D18
SM 2340 B	**Hardness (as CaCO3)**	3450	mg/L	21.8	4.57		N/A		02/05/25 10:54	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	1730	mg/L	0.400	0.270	5	X505183	NMS	02/05/25 10:54	D11,M4
EPA 200.7	Barium	< 0.0100	mg/L	0.0100	0.0095	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Beryllium**	0.909	mg/L	0.0100	0.00400	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	Boron	< 0.200	mg/L	0.200	0.0390	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Cadmium**	3.45	mg/L	0.0100	0.0080	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Calcium**	467	mg/L	0.500	0.345	5	X505183	NMS	02/05/25 10:54	D11,M4
EPA 200.7	**Chromium**	0.376	mg/L	0.0300	0.0100	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Cobalt**	3.39	mg/L	0.0300	0.0230	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Copper**	8.78	mg/L	0.0500	0.0135	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Iron**	189	mg/L	0.500	0.280	5	X505183	NMS	02/05/25 10:54	D11,M4
EPA 200.7	Lead	< 0.0375	mg/L	0.0375	0.0245	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Lithium**	0.680	mg/L	0.200	0.125	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Magnesium**	541	mg/L	2.50	0.450	5	X505183	NMS	02/05/25 10:54	D11,M4
EPA 200.7	**Manganese**	467	mg/L	0.0800	0.0340	10	X505183	NMS	02/05/25 11:22	D11,M4
EPA 200.7	Molybdenum	< 0.0400	mg/L	0.0400	0.0170	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Nickel**	4.91	mg/L	0.0500	0.0240	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	Potassium	< 2.50	mg/L	2.50	0.90	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	Silver	< 0.0250	mg/L	0.0250	0.0095	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Sodium**	36.1	mg/L	2.50	0.60	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Vanadium**	0.0272	mg/L	0.0250	0.0095	5	X505183	NMS	02/05/25 10:54	D11
EPA 200.7	**Zinc**	135	mg/L	0.0500	0.0270	5	X505183	NMS	02/05/25 10:54	D11,M4
EPA 200.8	Antimony	< 0.00500	mg/L	0.00500	0.00360	5	X506004	SMU	02/12/25 15:34	D11
EPA 200.8	**Arsenic**	0.375	mg/L	0.00500	0.00105	5	X506004	SMU	02/12/25 15:34	D11
EPA 200.8	**Selenium**	0.0289	mg/L	0.00500	0.00120	5	X506004	SMU	02/12/25 15:34	D11
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X506004	SMU	02/12/25 15:34	D11
EPA 200.8	**Uranium**	6.12	mg/L	0.000500	0.000260	5	X506004	SMU	02/12/25 15:34	D11
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506081	MAC	02/11/25 16:02	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X506103	DD	02/07/25 13:58	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 12:54	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X505185	DD	01/31/25 11:50	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X507061	DD	02/11/25 13:49	
SM 2310 B	**Acidity to pH 8.3**	10600	mg/L as CaCO3	10.0			X506013	MWD	02/03/25 11:04	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 18:36	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 18:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 18:36	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X505192	MWD	01/30/25 18:36	
SM 2540 C	**Total Diss. Solids**	19100	mg/L	100			X505179	TJL	01/31/25 13:25	
SM 2540 D	**Total Susp. Solids**	54.0	mg/L	5.0			X505180	TJL	01/31/25 13:00	
SM 4500 H B	**pH @19.6°C**	2.8	pH Units				X505192	MWD	01/30/25 18:36	H5

SVL holds the following certifications:
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

Client Sample ID: **GVMW-28**
SVL Sample ID: **X5A0351-03 (Ground Water)**

Sampled: 28-Jan-25 09:17
Received: 29-Jan-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.09	mg/L	2.00	0.22	10	X505144	RS	01/30/25 17:31	D18
EPA 300.0	**Fluoride**	236	mg/L	25.0	4.25	250	X505144	RS	01/29/25 20:17	
EPA 300.0	**Nitrate as N**	4.49	mg/L	0.500	0.130	10	X505144	RS	01/29/25 20:01	D18
EPA 300.0	**Nitrate+Nitrite as N**	4.49	mg/L	1.00	0.440	10	X505144	RS	01/29/25 20:01	
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X505144	RS	01/29/25 20:01	D18
EPA 300.0	**Sulfate as SO4**	15300	mg/L	150	90.0	500	X505144	RS	01/30/25 18:01	

Cation/Anion Balance and TDS Ratios

Cation Sum: 290 meq/L Anion Sum: 331 meq/L C/A Balance: -6.65 % Calculated TDS: 16617 TDS/cTDS: 1.15

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

Kristi A. Groth

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Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

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	X506089	06-Feb-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X506089	06-Feb-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X506089	06-Feb-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X505183	05-Feb-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X505183	05-Feb-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X505183	05-Feb-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X505183	05-Feb-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X505183	05-Feb-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X505183	05-Feb-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X505183	05-Feb-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X505183	05-Feb-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X505183	05-Feb-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X505183	05-Feb-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X505183	05-Feb-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X505183	05-Feb-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X505183	05-Feb-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X505183	05-Feb-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X505183	05-Feb-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X505183	05-Feb-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X505183	05-Feb-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X505183	05-Feb-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X505183	05-Feb-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X505183	05-Feb-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X505183	05-Feb-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X506004	12-Feb-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X506004	12-Feb-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X506004	12-Feb-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X506004	12-Feb-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X506004	12-Feb-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X506081	11-Feb-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X506103	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X506019	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X505185	31-Jan-25	B10
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X507061	11-Feb-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X506013	03-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X505192	30-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X505192	30-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X505192	30-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X505192	30-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X505179	31-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X505180	31-Jan-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X505144	29-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X505144	29-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X505144	29-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X505144	29-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X505144	29-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X505144	29-Jan-25	

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

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	20.4	20.0	102	85 - 115	X506089	06-Feb-25	
EPA 200.7	Magnesium	mg/L	20.7	20.0	103	85 - 115	X506089	06-Feb-25	
EPA 200.7	Potassium	mg/L	20.7	20.0	104	85 - 115	X506089	06-Feb-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.902	1.00	90.2	85 - 115	X505183	05-Feb-25	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X505183	05-Feb-25	
EPA 200.7	Beryllium	mg/L	0.945	1.00	94.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Boron	mg/L	0.943	1.00	94.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Cadmium	mg/L	0.986	1.00	98.6	85 - 115	X505183	05-Feb-25	
EPA 200.7	Calcium	mg/L	19.0	20.0	94.8	85 - 115	X505183	05-Feb-25	
EPA 200.7	Chromium	mg/L	0.975	1.00	97.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Cobalt	mg/L	0.948	1.00	94.8	85 - 115	X505183	05-Feb-25	
EPA 200.7	Copper	mg/L	0.933	1.00	93.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Iron	mg/L	9.83	10.0	98.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Lead	mg/L	0.981	1.00	98.1	85 - 115	X505183	05-Feb-25	
EPA 200.7	Lithium	mg/L	0.906	1.00	90.6	85 - 115	X505183	05-Feb-25	
EPA 200.7	Magnesium	mg/L	18.2	20.0	91.1	85 - 115	X505183	05-Feb-25	
EPA 200.7	Manganese	mg/L	0.970	1.00	97.0	85 - 115	X505183	05-Feb-25	
EPA 200.7	Molybdenum	mg/L	0.985	1.00	98.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Nickel	mg/L	0.961	1.00	96.1	85 - 115	X505183	05-Feb-25	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.5	85 - 115	X505183	05-Feb-25	
EPA 200.7	Silver	mg/L	0.0472	0.0500	94.3	85 - 115	X505183	05-Feb-25	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.4	85 - 115	X505183	05-Feb-25	
EPA 200.7	Vanadium	mg/L	0.970	1.00	97.0	85 - 115	X505183	05-Feb-25	
EPA 200.7	Zinc	mg/L	0.945	1.00	94.5	85 - 115	X505183	05-Feb-25	
EPA 200.8	Antimony	mg/L	0.0239	0.0250	95.4	85 - 115	X506004	12-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0244	0.0250	97.6	85 - 115	X506004	12-Feb-25	
EPA 200.8	Selenium	mg/L	0.0223	0.0250	89.0	85 - 115	X506004	12-Feb-25	
EPA 200.8	Thallium	mg/L	0.0268	0.0250	107	85 - 115	X506004	12-Feb-25	
EPA 200.8	Uranium	mg/L	0.0271	0.0250	108	85 - 115	X506004	12-Feb-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00206	0.00200	103	85 - 115	X506081	11-Feb-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.108	0.100	108	90 - 110	X506103	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.0998	0.100	99.8	90 - 110	X506019	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	0.975	1.00	97.5	90 - 110	X505185	31-Jan-25	B10
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X507061	11-Feb-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	717	706	102	95.4 - 104	X506013	03-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.2	9.93	103	94 - 106	X505192	30-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	99.4	99.3	100	94 - 106	X505192	30-Jan-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	404	397	102	94 - 106	X505192	30-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X505180	31-Jan-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.10	3.00	103	90 - 110	X505144	29-Jan-25	
EPA 300.0	Fluoride	mg/L	2.12	2.00	106	90 - 110	X505144	29-Jan-25	
EPA 300.0	Nitrate as N	mg/L	2.02	2.00	101	90 - 110	X505144	29-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.67	4.50	104	90 - 110	X505144	29-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.65	2.50	106	90 - 110	X505144	29-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	10.7	10.0	107	90 - 110	X505144	29-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

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	<10.0	<10.0	UDL	20	X506013 - X5A0288-01	03-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	199	199	0.2	20	X505192 - X5A0299-02	30-Jan-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	199	199	0.2	20	X505192 - X5A0299-02	30-Jan-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X505192 - X5A0299-02	30-Jan-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X505192 - X5A0299-02	30-Jan-25	
SM 2540 C	Total Diss. Solids	mg/L	449	452	0.7	10	X505179 - X5A0353-02	31-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	55.0	57.0	3.6	10	X505180 - X5A0353-02	31-Jan-25	
SM 2540 D	Total Susp. Solids	mg/L	6.0	6.0	0.0	10	X505180 - X5A0360-03	31-Jan-25	
SM 4500 H B	pH @19.4°C	pH Units	8.0	8.0	0.3	20	X505192 - X5A0299-02	30-Jan-25	

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	71.8	51.2	20.0	103	70 - 130	X506089 - X5A0329-01	06-Feb-25	
EPA 200.7	Calcium	mg/L	485	477	20.0	0.30R>S	70 - 130	X506089 - X5A0351-03	06-Feb-25	D18,M4
EPA 200.7	Magnesium	mg/L	28.1	7.23	20.0	105	70 - 130	X506089 - X5A0329-01	06-Feb-25	
EPA 200.7	Magnesium	mg/L	560	554	20.0	0.30R>S	70 - 130	X506089 - X5A0351-03	06-Feb-25	D18,M4
EPA 200.7	Potassium	mg/L	44.0	23.6	20.0	102	70 - 130	X506089 - X5A0329-01	06-Feb-25	
EPA 200.7	Potassium	mg/L	21.2	<5.00	20.0	106	70 - 130	X506089 - X5A0351-03	06-Feb-25	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.992	<0.080	1.00	99.2	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Aluminum	mg/L	1770	1730	1.00	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Barium	mg/L	1.05	0.0149	1.00	104	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Barium	mg/L	1.07	<0.0100	1.00	107	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Beryllium	mg/L	0.982	<0.00200	1.00	98.2	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Beryllium	mg/L	1.92	0.909	1.00	101	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Boron	mg/L	1.07	<0.0400	1.00	104	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Boron	mg/L	1.09	<0.200	1.00	101	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Cadmium	mg/L	0.953	<0.0020	1.00	95.3	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Cadmium	mg/L	4.60	3.45	1.00	115	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Calcium	mg/L	616	612	20.0	0.30R>S	70 - 130	X505183 - X5A0251-01	05-Feb-25	M3
EPA 200.7	Calcium	mg/L	495	467	20.0	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Chromium	mg/L	0.983	<0.0060	1.00	98.3	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Chromium	mg/L	1.42	0.376	1.00	104	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Cobalt	mg/L	0.939	<0.0060	1.00	93.9	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Cobalt	mg/L	4.47	3.39	1.00	108	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Copper	mg/L	1.02	<0.0100	1.00	102	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Copper	mg/L	10.1	8.78	1.00	127	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Iron	mg/L	203	189	10.0	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Lead	mg/L	0.981	<0.0075	1.00	98.1	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Lead	mg/L	1.14	<0.0375	1.00	110	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Lithium	mg/L	1.25	0.063	1.00	119	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Lithium	mg/L	1.79	0.680	1.00	111	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Magnesium	mg/L	399	388	20.0	0.30R>S	70 - 130	X505183 - X5A0251-01	05-Feb-25	M3
EPA 200.7	Magnesium	mg/L	574	541	20.0	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Manganese	mg/L	1.07	0.0843	1.00	98.8	70 - 130	X505183 - X5A0251-01	05-Feb-25	

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

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	464	467	1.00	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.7	Molybdenum	mg/L	1.12	0.107	1.00	101	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Molybdenum	mg/L	1.05	<0.0400	1.00	105	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Nickel	mg/L	0.970	0.0106	1.00	95.9	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Nickel	mg/L	6.05	4.91	1.00	114	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Potassium	mg/L	32.7	12.4	20.0	102	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Potassium	mg/L	22.0	<2.50	20.0	104	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Silver	mg/L	0.0366	<0.0050	0.0500	73.2	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Silver	mg/L	0.0607	<0.0250	0.0500	121	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Sodium	mg/L	120	105	19.0	79.3	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Sodium	mg/L	55.9	36.1	19.0	104	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Vanadium	mg/L	1.01	<0.0050	1.00	101	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Vanadium	mg/L	1.05	0.0272	1.00	102	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11
EPA 200.7	Zinc	mg/L	0.993	0.0136	1.00	98.0	70 - 130	X505183 - X5A0251-01	05-Feb-25	
EPA 200.7	Zinc	mg/L	141	135	1.00	0.30R>S	70 - 130	X505183 - X5A0351-03	05-Feb-25	D11,M4
EPA 200.8	Antimony	mg/L	0.0239	<0.00100	0.0250	95.5	70 - 130	X506004 - X5A0351-02	12-Feb-25	
EPA 200.8	Antimony	mg/L	0.0245	<0.00100	0.0250	97.9	70 - 130	X506004 - X5A0380-05	12-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0601	0.0358	0.0250	97.2	70 - 130	X506004 - X5A0351-02	12-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0259	<0.00100	0.0250	101	70 - 130	X506004 - X5A0380-05	12-Feb-25	
EPA 200.8	Selenium	mg/L	0.0298	0.00358	0.0250	105	70 - 130	X506004 - X5A0351-02	12-Feb-25	
EPA 200.8	Selenium	mg/L	0.0262	<0.00100	0.0250	105	70 - 130	X506004 - X5A0380-05	12-Feb-25	
EPA 200.8	Thallium	mg/L	0.0256	<0.000200	0.0250	102	70 - 130	X506004 - X5A0351-02	12-Feb-25	
EPA 200.8	Thallium	mg/L	0.0238	<0.000200	0.0250	94.8	70 - 130	X506004 - X5A0380-05	12-Feb-25	
EPA 200.8	Uranium	mg/L	0.607	0.583	0.0250	93.7	70 - 130	X506004 - X5A0351-02	12-Feb-25	
EPA 200.8	Uranium	mg/L	0.0276	0.00107	0.0250	106	70 - 130	X506004 - X5A0380-05	12-Feb-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	<0.000200	0.00200	101	70 - 130	X506081 - X5A0313-01	11-Feb-25	
EPA 245.1	Mercury	mg/L	0.00201	<0.000200	0.00200	100	70 - 130	X506081 - X5A0372-01	11-Feb-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.114	<0.0050	0.100	114	79 - 121	X506103 - X5A0313-01	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.136	0.0442	0.100	92.1	90 - 110	X506019 - X5A0334-03	04-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.0987	<0.0050	0.100	98.7	90 - 110	X506019 - X5A0334-01	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	1.11	<0.030	1.00	108	90 - 110	X505185 - X5A0351-01	31-Jan-25	B10
OIA 1677	Cyanide (WAD)	mg/L	0.103	<0.0050	0.100	102	82 - 118	X507061 - X5A0334-01	11-Feb-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	32.7	29.5	3.00	106	90 - 110	X505144 - X5A0351-02	29-Jan-25	
EPA 300.0	Chloride	mg/L	3.81	0.72	3.00	103	90 - 110	X505144 - X5A0356-01	29-Jan-25	
EPA 300.0	Fluoride	mg/L	39.1	33.8	2.00	0.30R>S	90 - 110	X505144 - X5A0351-02	29-Jan-25	M4
EPA 300.0	Fluoride	mg/L	2.19	<0.100	2.00	105	90 - 110	X505144 - X5A0356-01	29-Jan-25	
EPA 300.0	Nitrate as N	mg/L	3.64	1.63	2.00	100	90 - 110	X505144 - X5A0351-02	29-Jan-25	
EPA 300.0	Nitrate as N	mg/L	2.26	0.232	2.00	101	90 - 110	X505144 - X5A0356-01	29-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.74	1.65	4.00	102	90 - 110	X505144 - X5A0351-02	29-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.38	0.247	4.00	103	90 - 110	X505144 - X5A0356-01	29-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.10	<0.050	2.00	105	90 - 110	X505144 - X5A0351-02	29-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.12	<0.050	2.00	106	90 - 110	X505144 - X5A0356-01	29-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	13.5	2.93	10.0	106	90 - 110	X505144 - X5A0356-01	29-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	2830	2720	10.0	0.30R>S	90 - 110	X505144 - X5A0351-02	31-Jan-25	M4

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0351**
Reported: 13-Feb-25 16:19

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	74.4	71.8	20.0	3.0	20	116	X506089 - X5A0329-01	
EPA 200.7	Magnesium	mg/L	29.1	28.1	20.0	3.3	20	109	X506089 - X5A0329-01	
EPA 200.7	Potassium	mg/L	45.5	44.0	20.0	3.5	20	110	X506089 - X5A0329-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.975	0.992	1.00	1.8	20	97.5	X505183 - X5A0251-01	
EPA 200.7	Barium	mg/L	1.04	1.05	1.00	1.0	20	103	X505183 - X5A0251-01	
EPA 200.7	Beryllium	mg/L	0.999	0.982	1.00	1.8	20	99.9	X505183 - X5A0251-01	
EPA 200.7	Boron	mg/L	1.05	1.07	1.00	2.0	20	102	X505183 - X5A0251-01	
EPA 200.7	Cadmium	mg/L	0.981	0.953	1.00	2.9	20	98.1	X505183 - X5A0251-01	
EPA 200.7	Calcium	mg/L	610	616	20.0	1.1	20	0.30R>S	X505183 - X5A0251-01	M3
EPA 200.7	Chromium	mg/L	1.00	0.983	1.00	1.7	20	100	X505183 - X5A0251-01	
EPA 200.7	Cobalt	mg/L	0.967	0.939	1.00	3.0	20	96.7	X505183 - X5A0251-01	
EPA 200.7	Copper	mg/L	1.04	1.02	1.00	1.8	20	104	X505183 - X5A0251-01	
EPA 200.7	Iron	mg/L	10.4	10.4	10.0	0.4	20	104	X505183 - X5A0251-01	
EPA 200.7	Lead	mg/L	1.01	0.981	1.00	3.1	20	101	X505183 - X5A0251-01	
EPA 200.7	Lithium	mg/L	1.24	1.25	1.00	1.1	20	117	X505183 - X5A0251-01	
EPA 200.7	Magnesium	mg/L	394	399	20.0	1.3	20	0.30R>S	X505183 - X5A0251-01	M3
EPA 200.7	Manganese	mg/L	1.09	1.07	1.00	1.4	20	100	X505183 - X5A0251-01	
EPA 200.7	Molybdenum	mg/L	1.15	1.12	1.00	2.7	20	104	X505183 - X5A0251-01	
EPA 200.7	Nickel	mg/L	1.00	0.970	1.00	3.2	20	99.1	X505183 - X5A0251-01	
EPA 200.7	Potassium	mg/L	32.7	32.7	20.0	0.1	20	102	X505183 - X5A0251-01	
EPA 200.7	Silver	mg/L	0.0363	0.0366	0.0500	0.8	20	72.6	X505183 - X5A0251-01	
EPA 200.7	Sodium	mg/L	119	120	19.0	0.6	20	75.8	X505183 - X5A0251-01	
EPA 200.7	Vanadium	mg/L	1.03	1.01	1.00	1.3	20	103	X505183 - X5A0251-01	
EPA 200.7	Zinc	mg/L	1.02	0.993	1.00	3.1	20	101	X505183 - X5A0251-01	
EPA 200.8	Antimony	mg/L	0.0245	0.0239	0.0250	2.8	20	98.2	X506004 - X5A0351-02	
EPA 200.8	Arsenic	mg/L	0.0612	0.0601	0.0250	1.9	20	102	X506004 - X5A0351-02	
EPA 200.8	Selenium	mg/L	0.0306	0.0298	0.0250	2.5	20	108	X506004 - X5A0351-02	
EPA 200.8	Thallium	mg/L	0.0254	0.0256	0.0250	1.1	20	101	X506004 - X5A0351-02	
EPA 200.8	Uranium	mg/L	0.599	0.607	0.0250	1.2	20	0.30R>S	X506004 - X5A0351-02	M3
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00199	0.00202	0.00200	1.5	20	99.6	X506081 - X5A0313-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.117	0.114	0.100	2.6	11	117	X506103 - X5A0313-01	
EPA 335.4	Cyanide (total)	mg/L	0.125	0.136	0.100	8.5	20	81.0	X506019 - X5A0334-03	M2
EPA 350.1	Ammonia as N	mg/L	1.12	1.11	1.00	0.9	20	109	X505185 - X5A0351-01	B10
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.103	0.100	1.0	11	101	X507061 - X5A0334-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.81	3.81	3.00	0.0	20	103	X505144 - X5A0356-01	
EPA 300.0	Fluoride	mg/L	2.19	2.19	2.00	0.2	20	105	X505144 - X5A0356-01	
EPA 300.0	Nitrate as N	mg/L	2.27	2.26	2.00	0.3	20	102	X505144 - X5A0356-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.38	4.38	4.00	0.0	20	103	X505144 - X5A0356-01	
EPA 300.0	Nitrite as N	mg/L	2.11	2.12	2.00	0.3	20	106	X505144 - X5A0356-01	
EPA 300.0	Sulfate as SO4	mg/L	13.6	13.5	10.0	0.3	20	106	X505144 - X5A0356-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0351**
Victor, CO 80860	Reported: 13-Feb-25 16:19

Notes and Definitions

B10	Target analyte detected in method blank above laboratory acceptance limit but below reporting limit.
D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
D18	Due to a published chemical interference, a sample dilution was performed.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, 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.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
Q5C	After two pH adjustments, the method-specified pH was not achieved.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0373**
Victor, CO 80860	Reported: 13-Feb-25 16:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-135G	X5A0373-01	Ground Water	29-Jan-25 09:32	TR	30-Jan-2025	

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: X5A0373

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0373**
Reported: 13-Feb-25 16:42

Client Sample ID: **GVMW-135G**
SVL Sample ID: **X5A0373-01 (Ground Water)**

Sampled: 29-Jan-25 09:32
Received: 30-Jan-25
Sampled By: TR

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**	395	mg/L	0.100	0.069		X507010	JRR	02/11/25 11:04	
EPA 200.7	**Magnesium**	112	mg/L	0.500	0.090		X507010	JRR	02/11/25 11:04	
EPA 200.7	**Potassium**	6.06	mg/L	0.50	0.18		X507010	JRR	02/11/25 11:04	
SM 2340 B	**Hardness (as CaCO3)**	1450	mg/L	2.31	0.543		N/A		02/10/25 15:33	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X507027	JRR	02/10/25 15:33	
EPA 200.7	**Barium**	0.0143	mg/L	0.0020	0.0019		X507027	SJN	02/13/25 13:52	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X507027	SJN	02/12/25 11:42	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X507027	JRR	02/10/25 15:33	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X507027	JRR	02/10/25 15:33	
EPA 200.7	**Calcium**	402	mg/L	0.100	0.069		X507027	JRR	02/10/25 15:33	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X507027	JRR	02/10/25 15:33	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X507027	JRR	02/10/25 15:33	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X507027	JRR	02/10/25 15:33	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X507027	JRR	02/10/25 15:33	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X507027	JRR	02/10/25 15:33	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X507027	JRR	02/10/25 15:33	
EPA 200.7	**Magnesium**	113	mg/L	0.500	0.090		X507027	JRR	02/10/25 15:33	
EPA 200.7	**Manganese**	0.727	mg/L	0.0080	0.0034		X507027	JRR	02/10/25 15:33	
EPA 200.7	**Molybdenum**	0.0111	mg/L	0.0080	0.0034		X507027	JRR	02/10/25 15:33	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X507027	JRR	02/10/25 15:33	
EPA 200.7	**Potassium**	3.58	mg/L	0.50	0.18		X507027	JRR	02/10/25 15:33	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X507027	SJN	02/12/25 11:42	
EPA 200.7	**Sodium**	15.7	mg/L	0.50	0.12		X507027	JRR	02/10/25 15:33	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X507027	JRR	02/10/25 15:33	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X507027	JRR	02/10/25 15:33	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X506006	SMU	02/12/25 17:32	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X506006	SMU	02/12/25 17:32	
EPA 200.8	**Selenium**	0.00432	mg/L	0.00100	0.00024		X506006	SMU	02/12/25 17:32	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X506006	SMU	02/12/25 17:32	
EPA 200.8	**Uranium**	0.00961	mg/L	0.000100	0.000052		X506006	SMU	02/12/25 17:32	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506082	MAC	02/11/25 16:49	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X506103	DD	02/07/25 14:04	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 13:10	
EPA 350.1	**Ammonia as N**	0.190	mg/L	0.030	0.013		X506056	DD	02/07/25 17:29	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X507061	DD	02/11/25 13:54	
SM 2310 B	**Acidity to pH 8.3**	-59.2	mg/L as CaCO3	10.0			X507009	MWD	02/10/25 11:24	
SM 2320 B	**Total Alkalinity**	63.9	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 11:12	
SM 2320 B	**Bicarbonate**	63.9	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 11:12	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 11:12	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 11:12	
SM 2540 C	**Total Diss. Solids**	1820	mg/L	40			X505214	TJL	02/03/25 13:30	
SM 2540 D	**Total Susp. Solids**	109	mg/L	5.0			X505215	TJL	02/03/25 13:00	
SM 4500 H B	**pH @18.3°C**	7.9	pH Units				X506032	MWD	02/04/25 11:12	H5

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

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0373**
Reported: 13-Feb-25 16:42

Client Sample ID: **GVMW-135G**
SVL Sample ID: **X5A0373-01 (Ground Water)**

Sampled: 29-Jan-25 09:32
Received: 30-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	85.6	mg/L	10.0	1.10	50	X505190	RS	01/30/25 15:32	
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X505190	RS	01/30/25 15:18	
EPA 300.0	**Nitrate as N**	11.6	mg/L	2.50	0.650	50	X505190	RS	01/30/25 15:32	
EPA 300.0	**Nitrate+Nitrite as N**	11.6	mg/L	0.100	0.044		X505190	RS	01/30/25 15:18	
EPA 300.0	**Nitrite as N**	0.055	mg/L	0.050	0.031		X505190	RS	01/30/25 15:18	
EPA 300.0	**Sulfate as SO4**	1260	mg/L	15.0	9.00	50	X505190	RS	01/30/25 15:32	

Cation/Anion Balance and TDS Ratios

Cation Sum: 29.8 meq/L Anion Sum: 30.8 meq/L C/A Balance: -1.65 % Calculated TDS: 1967 TDS/cTDS: 0.93

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0373**
Reported: 13-Feb-25 16:42

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	X507010	11-Feb-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X507010	11-Feb-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X507010	11-Feb-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X507027	10-Feb-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X507027	11-Feb-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X507027	10-Feb-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X507027	10-Feb-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X507027	10-Feb-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X507027	10-Feb-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X507027	10-Feb-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X507027	10-Feb-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X507027	10-Feb-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X507027	10-Feb-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X507027	10-Feb-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X507027	10-Feb-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X507027	10-Feb-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X507027	10-Feb-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X507027	10-Feb-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X507027	10-Feb-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X507027	10-Feb-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X507027	12-Feb-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X507027	10-Feb-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X507027	10-Feb-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X507027	10-Feb-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X506006	12-Feb-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X506006	12-Feb-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X506006	12-Feb-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X506006	12-Feb-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X506006	12-Feb-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X506082	11-Feb-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X506103	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X506019	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X506056	07-Feb-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X507061	11-Feb-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X507009	10-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X506032	04-Feb-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X506032	04-Feb-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X506032	04-Feb-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X506032	04-Feb-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X505214	03-Feb-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X505215	03-Feb-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X505190	30-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X505190	30-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X505190	30-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X505190	30-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X505190	30-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X505190	30-Jan-25	

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0373**
Reported: 13-Feb-25 16:42

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	19.5	20.0	98	85 - 115	X507010	11-Feb-25	
EPA 200.7	Magnesium	mg/L	19.7	20.0	98.5	85 - 115	X507010	11-Feb-25	
EPA 200.7	Potassium	mg/L	19.8	20.0	98.9	85 - 115	X507010	11-Feb-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.988	1.00	98.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X507027	11-Feb-25	
EPA 200.7	Beryllium	mg/L	0.986	1.00	98.6	85 - 115	X507027	10-Feb-25	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X507027	10-Feb-25	
EPA 200.7	Cadmium	mg/L	0.988	1.00	98.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.4	85 - 115	X507027	10-Feb-25	
EPA 200.7	Chromium	mg/L	1.00	1.00	100	85 - 115	X507027	10-Feb-25	
EPA 200.7	Cobalt	mg/L	0.968	1.00	96.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Copper	mg/L	0.973	1.00	97.3	85 - 115	X507027	10-Feb-25	
EPA 200.7	Iron	mg/L	9.96	10.0	99.6	85 - 115	X507027	10-Feb-25	
EPA 200.7	Lead	mg/L	0.984	1.00	98.4	85 - 115	X507027	10-Feb-25	
EPA 200.7	Lithium	mg/L	0.962	1.00	96.2	85 - 115	X507027	10-Feb-25	
EPA 200.7	Magnesium	mg/L	19.6	20.0	97.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Manganese	mg/L	0.980	1.00	98.0	85 - 115	X507027	10-Feb-25	
EPA 200.7	Molybdenum	mg/L	0.981	1.00	98.1	85 - 115	X507027	10-Feb-25	
EPA 200.7	Nickel	mg/L	0.965	1.00	96.5	85 - 115	X507027	10-Feb-25	
EPA 200.7	Potassium	mg/L	20.0	20.0	99.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Silver	mg/L	0.0503	0.0500	101	85 - 115	X507027	12-Feb-25	
EPA 200.7	Sodium	mg/L	19.1	19.0	101	85 - 115	X507027	10-Feb-25	
EPA 200.7	Vanadium	mg/L	1.01	1.00	101	85 - 115	X507027	10-Feb-25	
EPA 200.7	Zinc	mg/L	0.986	1.00	98.6	85 - 115	X507027	10-Feb-25	
EPA 200.8	Antimony	mg/L	0.0238	0.0250	95.1	85 - 115	X506006	12-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0230	0.0250	92.0	85 - 115	X506006	12-Feb-25	
EPA 200.8	Selenium	mg/L	0.0224	0.0250	89.7	85 - 115	X506006	12-Feb-25	
EPA 200.8	Thallium	mg/L	0.0257	0.0250	103	85 - 115	X506006	12-Feb-25	
EPA 200.8	Uranium	mg/L	0.0274	0.0250	110	85 - 115	X506006	12-Feb-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00193	0.00200	96.2	85 - 115	X506082	11-Feb-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.108	0.100	108	90 - 110	X506103	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.0998	0.100	99.8	90 - 110	X506019	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X506056	07-Feb-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X507061	11-Feb-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	717	706	102	95.4 - 104	X507009	10-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	94 - 106	X506032	04-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	102	94 - 106	X506032	04-Feb-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X505215	03-Feb-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X505190	30-Jan-25	
EPA 300.0	Fluoride	mg/L	2.06	2.00	103	90 - 110	X505190	30-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.99	2.00	99.3	90 - 110	X505190	30-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	4.50	101	90 - 110	X505190	30-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.58	2.50	103	90 - 110	X505190	30-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	9.99	10.0	99.9	90 - 110	X505190	30-Jan-25	

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0373**
Reported: 13-Feb-25 16:42

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	<10.0	<10.0	UDL	20	X507009 - X5A0360-01	10-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	78.2	78.6	0.5	20	X506032 - X5A0360-02	04-Feb-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	78.2	78.6	0.5	20	X506032 - X5A0360-02	04-Feb-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X506032 - X5A0360-02	04-Feb-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X506032 - X5A0360-02	04-Feb-25	
SM 2540 C	Total Diss. Solids	mg/L	237	229	3.4	10	X505214 - X5A0374-02	03-Feb-25	
SM 2540 C	Total Diss. Solids	mg/L	732	638	13.7	10	X505214 - X5A0372-02	03-Feb-25	R2B
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X505215 - X5A0374-02	03-Feb-25	
SM 4500 H B	pH @16.5°C	pH Units	7.0	7.0	0.7	20	X506032 - X5A0360-02	04-Feb-25	

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	25.4	5.90	20.0	98	70 - 130	X507010 - X5A0371-01	11-Feb-25	
EPA 200.7	Magnesium	mg/L	22.3	1.96	20.0	102	70 - 130	X507010 - X5A0371-01	11-Feb-25	
EPA 200.7	Potassium	mg/L	20.4	1.08	20.0	96.8	70 - 130	X507010 - X5A0371-01	11-Feb-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	<0.080	1.00	102	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Aluminum	mg/L	0.994	<0.080	1.00	99.4	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Barium	mg/L	1.08	0.0411	1.00	104	70 - 130	X507027 - X5A0369-01	11-Feb-25	
EPA 200.7	Beryllium	mg/L	1.01	<0.00200	1.00	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Beryllium	mg/L	0.989	<0.00200	1.00	98.9	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Boron	mg/L	1.12	0.0651	1.00	105	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Boron	mg/L	1.08	0.0620	1.00	102	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Cadmium	mg/L	0.980	<0.0020	1.00	98.0	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Cadmium	mg/L	0.983	<0.0020	1.00	98.3	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Calcium	mg/L	283	263	20.0	97.2	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Calcium	mg/L	43.4	23.9	20.0	97.7	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Chromium	mg/L	1.01	<0.0060	1.00	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Chromium	mg/L	0.995	<0.0060	1.00	99.3	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Cobalt	mg/L	0.942	<0.0060	1.00	94.2	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Cobalt	mg/L	0.952	<0.0060	1.00	95.2	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Copper	mg/L	1.01	<0.0100	1.00	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Copper	mg/L	0.977	<0.0100	1.00	97.7	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Iron	mg/L	9.96	<0.100	10.0	99.6	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Lead	mg/L	0.963	<0.0075	1.00	96.3	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Lead	mg/L	0.971	<0.0075	1.00	97.1	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Lithium	mg/L	1.07	<0.040	1.00	107	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	101	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Magnesium	mg/L	52.6	31.9	20.0	104	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Magnesium	mg/L	46.6	26.8	20.0	99.1	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Manganese	mg/L	0.987	<0.0080	1.00	98.2	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Manganese	mg/L	0.973	<0.0080	1.00	97.3	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Molybdenum	mg/L	1.00	<0.0080	1.00	99.5	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Molybdenum	mg/L	0.982	<0.0080	1.00	98.2	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Nickel	mg/L	0.944	0.0109	1.00	93.3	70 - 130	X507027 - X5A0369-01	10-Feb-25	

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0373**
Reported: 13-Feb-25 16:42

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	Nickel	mg/L	0.954	<0.0100	1.00	95.4	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Potassium	mg/L	25.4	5.27	20.0	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Potassium	mg/L	21.4	1.68	20.0	98.7	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Silver	mg/L	0.0357	<0.0050	0.0500	71.5	70 - 130	X507027 - X5A0369-01	12-Feb-25	
EPA 200.7	Silver	mg/L	0.0362	<0.0050	0.0500	72.3	70 - 130	X507027 - X5A0372-04	12-Feb-25	
EPA 200.7	Sodium	mg/L	53.2	34.1	19.0	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Sodium	mg/L	79.2	60.8	19.0	96.7	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Vanadium	mg/L	1.02	0.0085	1.00	101	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Zinc	mg/L	1.00	0.0138	1.00	98.6	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Zinc	mg/L	0.992	<0.0100	1.00	99.2	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.8	Antimony	mg/L	0.0269	<0.00100	0.0250	108	70 - 130	X506006 - X5A0368-01	12-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0275	<0.00100	0.0250	109	70 - 130	X506006 - X5A0368-01	12-Feb-25	
EPA 200.8	Selenium	mg/L	0.0315	0.00408	0.0250	110	70 - 130	X506006 - X5A0368-01	12-Feb-25	
EPA 200.8	Thallium	mg/L	0.0272	<0.000200	0.0250	108	70 - 130	X506006 - X5A0368-01	12-Feb-25	
EPA 200.8	Uranium	mg/L	0.0354	0.00498	0.0250	122	70 - 130	X506006 - X5A0368-01	12-Feb-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00192	<0.000200	0.00200	96.0	70 - 130	X506082 - X5A0368-01	11-Feb-25	
EPA 245.1	Mercury	mg/L	0.00196	<0.000200	0.00200	98.0	70 - 130	X506082 - X5A0387-01	11-Feb-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.114	<0.0050	0.100	114	79 - 121	X506103 - X5A0313-01	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.136	0.0442	0.100	92.1	90 - 110	X506019 - X5A0334-03	04-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.0987	<0.0050	0.100	98.7	90 - 110	X506019 - X5A0334-01	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	1.20	0.183	1.00	102	90 - 110	X506056 - X5A0368-02	07-Feb-25	
EPA 350.1	Ammonia as N	mg/L	1.14	0.051	1.00	109	90 - 110	X506056 - X5A0368-01	07-Feb-25	
OIA 1677	Cyanide (WAD)	mg/L	0.103	<0.0050	0.100	102	82 - 118	X507061 - X5A0334-01	11-Feb-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	6.19	3.17	3.00	101	90 - 110	X505190 - X5A0353-02	30-Jan-25	
EPA 300.0	Fluoride	mg/L	2.04	0.124	2.00	95.7	90 - 110	X505190 - X5A0353-02	30-Jan-25	
EPA 300.0	Nitrate as N	mg/L	44.1	42.3	2.00	0.30R>S	90 - 110	X505190 - X5A0353-02	30-Jan-25	M4
EPA 300.0	Nitrate+Nitrite as N	mg/L	47.7	43.9	4.00	94.5	90 - 110	X505190 - X5A0353-02	30-Jan-25	
EPA 300.0	Nitrite as N	mg/L	3.66	1.67	2.00	99.3	90 - 110	X505190 - X5A0353-02	30-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	109	99.1	10.0	94.0	90 - 110	X505190 - X5A0353-02	30-Jan-25	

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	25.2	25.4	20.0	1.0	20	96	X507010 - X5A0371-01	
EPA 200.7	Magnesium	mg/L	21.9	22.3	20.0	2.0	20	99.6	X507010 - X5A0371-01	
EPA 200.7	Potassium	mg/L	20.2	20.4	20.0	0.9	20	95.8	X507010 - X5A0371-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	1.02	1.00	0.2	20	102	X507027 - X5A0369-01	
EPA 200.7	Barium	mg/L	1.06	1.08	1.00	1.7	20	102	X507027 - X5A0369-01	
EPA 200.7	Beryllium	mg/L	1.00	1.01	1.00	0.5	20	100	X507027 - X5A0369-01	
EPA 200.7	Boron	mg/L	1.11	1.12	1.00	0.8	20	105	X507027 - X5A0369-01	

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

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Newmont - Cripple Creek & Victor
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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0373**
Reported: 13-Feb-25 16:42

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	Cadmium	mg/L	0.972	0.980	1.00	0.8	20	97.2	X507027 - X5A0369-01	
EPA 200.7	Calcium	mg/L	286	283	20.0	0.9	20	110	X507027 - X5A0369-01	
EPA 200.7	Chromium	mg/L	1.01	1.01	1.00	0.2	20	101	X507027 - X5A0369-01	
EPA 200.7	Cobalt	mg/L	0.945	0.942	1.00	0.3	20	94.5	X507027 - X5A0369-01	
EPA 200.7	Copper	mg/L	1.01	1.01	1.00	0.7	20	100	X507027 - X5A0369-01	
EPA 200.7	Iron	mg/L	10.2	10.1	10.0	0.7	20	102	X507027 - X5A0369-01	
EPA 200.7	Lead	mg/L	0.967	0.963	1.00	0.4	20	96.7	X507027 - X5A0369-01	
EPA 200.7	Lithium	mg/L	1.07	1.07	1.00	0.5	20	107	X507027 - X5A0369-01	
EPA 200.7	Magnesium	mg/L	52.8	52.6	20.0	0.4	20	105	X507027 - X5A0369-01	
EPA 200.7	Manganese	mg/L	0.982	0.987	1.00	0.5	20	97.7	X507027 - X5A0369-01	
EPA 200.7	Molybdenum	mg/L	1.01	1.00	1.00	0.6	20	100	X507027 - X5A0369-01	
EPA 200.7	Nickel	mg/L	0.946	0.944	1.00	0.2	20	93.5	X507027 - X5A0369-01	
EPA 200.7	Potassium	mg/L	25.7	25.4	20.0	1.4	20	102	X507027 - X5A0369-01	
EPA 200.7	Silver	mg/L	0.0359	0.0357	0.0500	0.5	20	71.8	X507027 - X5A0369-01	
EPA 200.7	Sodium	mg/L	53.5	53.2	19.0	0.6	20	102	X507027 - X5A0369-01	
EPA 200.7	Vanadium	mg/L	1.03	1.04	1.00	0.6	20	103	X507027 - X5A0369-01	
EPA 200.7	Zinc	mg/L	1.00	1.00	1.00	0.2	20	98.8	X507027 - X5A0369-01	
EPA 200.8	Antimony	mg/L	0.0277	0.0269	0.0250	2.6	20	111	X506006 - X5A0368-01	
EPA 200.8	Arsenic	mg/L	0.0284	0.0275	0.0250	3.1	20	112	X506006 - X5A0368-01	
EPA 200.8	Selenium	mg/L	0.0326	0.0315	0.0250	3.3	20	114	X506006 - X5A0368-01	
EPA 200.8	Thallium	mg/L	0.0279	0.0272	0.0250	2.8	20	111	X506006 - X5A0368-01	
EPA 200.8	Uranium	mg/L	0.0364	0.0354	0.0250	2.8	20	126	X506006 - X5A0368-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00184	0.00192	0.00200	4.5	20	91.9	X506082 - X5A0368-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.117	0.114	0.100	2.6	11	117	X506103 - X5A0313-01	
EPA 335.4	Cyanide (total)	mg/L	0.125	0.136	0.100	8.5	20	81.0	X506019 - X5A0334-03	M2
EPA 350.1	Ammonia as N	mg/L	1.22	1.20	1.00	1.5	20	104	X506056 - X5A0368-02	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.103	0.100	1.0	11	101	X507061 - X5A0334-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	6.23	6.19	3.00	0.7	20	102	X505190 - X5A0353-02	
EPA 300.0	Fluoride	mg/L	2.08	2.04	2.00	1.9	20	97.7	X505190 - X5A0353-02	
EPA 300.0	Nitrate as N	mg/L	44.0	44.1	2.00	0.2	20	0.30R>S	X505190 - X5A0353-02	M4
EPA 300.0	Nitrate+Nitrite as N	mg/L	47.7	47.7	4.00	0.1	20	93.4	X505190 - X5A0353-02	
EPA 300.0	Nitrite as N	mg/L	3.70	3.66	2.00	1.0	20	101	X505190 - X5A0353-02	
EPA 300.0	Sulfate as SO4	mg/L	108	109	10.0	0.0	20	93.4	X505190 - X5A0353-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0373**
Victor, CO 80860	Reported: 13-Feb-25 16:42

Notes and Definitions

H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, 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.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5A0368**
Victor, CO 80860	Reported: 13-Feb-25 16:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-35B	X5A0368-01	Ground Water	29-Jan-25 09:32	TR	30-Jan-2025	
GVMW-36	X5A0368-02	Ground Water	29-Jan-25 09:55	TR	30-Jan-2025	Q5C

Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

Case Narrative: X5A0368

The state of origin only accredits for drinking water analyses.

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0368**
Reported: 13-Feb-25 16:34

Client Sample ID: **GVMW-35B**
SVL Sample ID: **X5A0368-01 (Ground Water)**

Sampled: 29-Jan-25 09:32
Received: 30-Jan-25
Sampled By: TR

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**	396	mg/L	0.100	0.069		X507010	JRR	02/11/25 10:11	
EPA 200.7	**Magnesium**	112	mg/L	0.500	0.090		X507010	JRR	02/11/25 10:11	
EPA 200.7	**Potassium**	4.91	mg/L	0.50	0.18		X507010	JRR	02/11/25 10:11	
SM 2340 B	**Hardness (as CaCO3)**	1460	mg/L	2.31	0.543		N/A		02/11/25 10:11	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X507027	JRR	02/10/25 14:24	
EPA 200.7	**Barium**	0.0142	mg/L	0.0020	0.0019		X507027	JRR	02/11/25 12:07	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X507027	JRR	02/10/25 14:24	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X507027	JRR	02/10/25 14:24	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X507027	JRR	02/10/25 14:24	
EPA 200.7	**Calcium**	402	mg/L	0.100	0.069		X507027	JRR	02/10/25 14:24	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X507027	JRR	02/10/25 14:24	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X507027	JRR	02/10/25 14:24	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X507027	JRR	02/10/25 14:24	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X507027	JRR	02/10/25 14:24	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X507027	JRR	02/10/25 14:24	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X507027	JRR	02/10/25 14:24	
EPA 200.7	**Magnesium**	112	mg/L	0.500	0.090		X507027	JRR	02/10/25 14:24	
EPA 200.7	**Manganese**	0.733	mg/L	0.0080	0.0034		X507027	JRR	02/10/25 14:24	
EPA 200.7	**Molybdenum**	0.0110	mg/L	0.0080	0.0034		X507027	JRR	02/10/25 14:24	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X507027	JRR	02/10/25 14:24	
EPA 200.7	**Potassium**	3.95	mg/L	0.50	0.18		X507027	JRR	02/10/25 14:24	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X507027	SJN	02/12/25 11:20	
EPA 200.7	**Sodium**	15.6	mg/L	0.50	0.12		X507027	JRR	02/10/25 14:24	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X507027	JRR	02/10/25 14:24	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X507027	JRR	02/10/25 14:24	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X506006	SMU	02/12/25 17:20	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X506006	SMU	02/12/25 17:20	
EPA 200.8	**Selenium**	0.00408	mg/L	0.00100	0.00024		X506006	SMU	02/12/25 17:20	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X506006	SMU	02/12/25 17:20	
EPA 200.8	**Uranium**	0.00498	mg/L	0.000100	0.000052		X506006	SMU	02/12/25 17:20	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506082	MAC	02/11/25 16:40	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X506103	DD	02/07/25 14:00	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 13:07	
EPA 350.1	**Ammonia as N**	0.051	mg/L	0.030	0.013		X506056	DD	02/07/25 17:24	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X507061	DD	02/11/25 13:51	
SM 2310 B	**Acidity to pH 8.3**	-68.5	mg/L as CaCO3	10.0			X507009	MWD	02/10/25 11:24	
SM 2320 B	**Total Alkalinity**	64.9	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 10:49	
SM 2320 B	**Bicarbonate**	64.9	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 10:49	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 10:49	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 10:49	
SM 2540 C	**Total Diss. Solids**	1890	mg/L	40			X505214	TJL	02/03/25 13:30	
SM 2540 D	**Total Susp. Solids**	46.0	mg/L	5.0			X505215	TJL	02/03/25 13:00	
SM 4500 H B	**pH @17.6°C**	7.9	pH Units				X506032	MWD	02/04/25 10:49	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0368**
Reported: 13-Feb-25 16:34

Client Sample ID: **GVMW-35B**
SVL Sample ID: **X5A0368-01 (Ground Water)**

Sampled: 29-Jan-25 09:32
Received: 30-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	87.1	mg/L	10.0	1.10	50	X505190	RS	01/30/25 14:33	
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X505190	RS	01/30/25 14:18	
EPA 300.0	**Nitrate as N**	11.5	mg/L	2.50	0.650	50	X505190	RS	01/30/25 14:33	
EPA 300.0	**Nitrate+Nitrite as N**	11.6	mg/L	0.100	0.044		X505190	RS	01/30/25 14:18	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X505190	RS	01/30/25 14:18	
EPA 300.0	**Sulfate as SO4**	1270	mg/L	15.0	9.00	50	X505190	RS	01/30/25 14:33	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 29.8 meq/L Anion Sum: 31.0 meq/L C/A Balance: -2.01 % Calculated TDS: 1978 TDS/cTDS: 0.96

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0368**
Reported: 13-Feb-25 16:34

Client Sample ID: **GVMW-36**
SVL Sample ID: **X5A0368-02 (Ground Water)**

Sampled: 29-Jan-25 09:55
Received: 30-Jan-25
Sampled By: TR

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**	400	mg/L	0.100	0.069		X507010	JRR	02/11/25 10:15	
EPA 200.7	**Magnesium**	609	mg/L	2.50	0.450	5	X507010	JRR	02/11/25 11:50	
EPA 200.7	**Potassium**	8.48	mg/L	0.50	0.18		X507010	JRR	02/11/25 10:15	
SM 2340 B	**Hardness (as CaCO3)**	3840	mg/L	2.31	0.543		N/A		02/11/25 11:50	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	1080	mg/L	0.800	0.540	10	X507027	JRR	02/11/25 09:19	
EPA 200.7	**Barium**	0.0135	mg/L	0.0020	0.0019		X507027	JRR	02/11/25 12:11	
EPA 200.7	**Beryllium**	0.253	mg/L	0.00200	0.00080		X507027	JRR	02/10/25 14:28	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Cadmium**	2.31	mg/L	0.0020	0.0016		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Calcium**	440	mg/L	0.100	0.069		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Chromium**	0.307	mg/L	0.0060	0.0020		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Cobalt**	5.17	mg/L	0.0060	0.0046		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Copper**	5.11	mg/L	0.0100	0.0027		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Iron**	24.0	mg/L	0.100	0.056		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Lead**	0.113	mg/L	0.0075	0.0049		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Lithium**	0.349	mg/L	0.040	0.025		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Magnesium**	691	mg/L	0.500	0.090		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Manganese**	263	mg/L	0.0800	0.0340	10	X507027	JRR	02/11/25 09:19	
EPA 200.7	**Molybdenum**	0.0190	mg/L	0.0080	0.0034		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Nickel**	4.44	mg/L	0.0100	0.0048		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Potassium**	8.35	mg/L	0.50	0.18		X507027	JRR	02/10/25 14:28	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X507027	SJN	02/12/25 11:24	
EPA 200.7	**Sodium**	62.7	mg/L	0.50	0.12		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Vanadium**	0.0051	mg/L	0.0050	0.0019		X507027	JRR	02/10/25 14:28	
EPA 200.7	**Zinc**	104	mg/L	0.100	0.0540	10	X507027	JRR	02/11/25 09:19	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X506006	SMU	02/12/25 17:29	
EPA 200.8	**Arsenic**	0.0775	mg/L	0.00100	0.00021		X506006	SMU	02/12/25 17:29	
EPA 200.8	**Selenium**	0.0183	mg/L	0.00100	0.00024		X506006	SMU	02/12/25 17:29	
EPA 200.8	**Thallium**	0.000314	mg/L	0.000200	0.00008		X506006	SMU	02/12/25 17:29	
EPA 200.8	**Uranium**	5.05	mg/L	0.00100	0.000520	10	X506006	SMU	02/12/25 17:59	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X506082	MAC	02/11/25 16:43	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X506103	DD	02/07/25 14:02	
EPA 335.4	**Cyanide (total)**	0.0058	mg/L	0.0050	0.0038		X506019	JPM	02/04/25 13:08	
EPA 350.1	**Ammonia as N**	0.183	mg/L	0.030	0.013		X506056	DD	02/07/25 17:27	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X507061	DD	02/11/25 13:52	
SM 2310 B	**Acidity to pH 8.3**	6860	mg/L as CaCO3	10.0			X507009	MWD	02/10/25 11:24	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 10:57	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 10:57	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 10:57	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X506032	MWD	02/04/25 10:57	
SM 2540 C	**Total Diss. Solids**	13800	mg/L	100			X505214	TJL	02/03/25 13:30	
SM 2540 D	**Total Susp. Solids**	28.0	mg/L	5.0			X505215	TJL	02/03/25 13:00	
SM 4500 H B	**pH @18.1°C**	3.3	pH Units				X506032	MWD	02/04/25 10:57	H5

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0368**
Reported: 13-Feb-25 16:34

Client Sample ID: **GVMW-36**
SVL Sample ID: **X5A0368-02 (Ground Water)**

Sampled: 29-Jan-25 09:55
Received: 30-Jan-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.6	mg/L	2.00	0.22	10	X505190	RS	01/30/25 14:48	
EPA 300.0	**Fluoride**	27.2	mg/L	1.00	0.170	10	X505190	RS	01/30/25 14:48	
EPA 300.0	**Nitrate as N**	2.57	mg/L	0.500	0.130	10	X505190	RS	01/30/25 14:48	
EPA 300.0	**Nitrate+Nitrite as N**	2.68	mg/L	1.00	0.440	10	X505190	RS	01/30/25 14:48	
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X505190	RS	01/30/25 14:48	D18
EPA 300.0	**Sulfate as SO4**	10800	mg/L	75.0	45.0	250	X505190	RS	01/30/25 15:03	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 210 meq/L Anion Sum: 227 meq/L C/A Balance: -3.80 % Calculated TDS: 11992 TDS/cTDS: 1.15

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0368**
Reported: 13-Feb-25 16:34

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	X507010	11-Feb-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X507010	11-Feb-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X507010	11-Feb-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X507027	10-Feb-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X507027	11-Feb-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X507027	10-Feb-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X507027	10-Feb-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X507027	10-Feb-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X507027	10-Feb-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X507027	10-Feb-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X507027	10-Feb-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X507027	10-Feb-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X507027	10-Feb-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X507027	10-Feb-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X507027	10-Feb-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X507027	10-Feb-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X507027	10-Feb-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X507027	10-Feb-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X507027	10-Feb-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X507027	10-Feb-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X507027	12-Feb-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X507027	10-Feb-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X507027	10-Feb-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X507027	10-Feb-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X506006	12-Feb-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X506006	12-Feb-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X506006	12-Feb-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X506006	12-Feb-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X506006	12-Feb-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X506082	11-Feb-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X506103	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X506019	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X506056	07-Feb-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X507061	11-Feb-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X507009	10-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X506032	04-Feb-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X506032	04-Feb-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X506032	04-Feb-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X506032	04-Feb-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X505214	03-Feb-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X505215	03-Feb-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X505190	30-Jan-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X505190	30-Jan-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X505190	30-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X505190	30-Jan-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X505190	30-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X505190	30-Jan-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0368**
Reported: 13-Feb-25 16:34

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	19.5	20.0	98	85 - 115	X507010	11-Feb-25	
EPA 200.7	Magnesium	mg/L	19.7	20.0	98.5	85 - 115	X507010	11-Feb-25	
EPA 200.7	Potassium	mg/L	19.8	20.0	98.9	85 - 115	X507010	11-Feb-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.988	1.00	98.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X507027	11-Feb-25	
EPA 200.7	Beryllium	mg/L	0.986	1.00	98.6	85 - 115	X507027	10-Feb-25	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X507027	10-Feb-25	
EPA 200.7	Cadmium	mg/L	0.988	1.00	98.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.4	85 - 115	X507027	10-Feb-25	
EPA 200.7	Chromium	mg/L	1.00	1.00	100	85 - 115	X507027	10-Feb-25	
EPA 200.7	Cobalt	mg/L	0.968	1.00	96.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Copper	mg/L	0.973	1.00	97.3	85 - 115	X507027	10-Feb-25	
EPA 200.7	Iron	mg/L	9.96	10.0	99.6	85 - 115	X507027	10-Feb-25	
EPA 200.7	Lead	mg/L	0.984	1.00	98.4	85 - 115	X507027	10-Feb-25	
EPA 200.7	Lithium	mg/L	0.962	1.00	96.2	85 - 115	X507027	10-Feb-25	
EPA 200.7	Magnesium	mg/L	19.6	20.0	97.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Manganese	mg/L	0.980	1.00	98.0	85 - 115	X507027	10-Feb-25	
EPA 200.7	Molybdenum	mg/L	0.981	1.00	98.1	85 - 115	X507027	10-Feb-25	
EPA 200.7	Nickel	mg/L	0.965	1.00	96.5	85 - 115	X507027	10-Feb-25	
EPA 200.7	Potassium	mg/L	20.0	20.0	99.8	85 - 115	X507027	10-Feb-25	
EPA 200.7	Silver	mg/L	0.0503	0.0500	101	85 - 115	X507027	12-Feb-25	
EPA 200.7	Sodium	mg/L	19.1	19.0	101	85 - 115	X507027	10-Feb-25	
EPA 200.7	Vanadium	mg/L	1.01	1.00	101	85 - 115	X507027	10-Feb-25	
EPA 200.7	Zinc	mg/L	0.986	1.00	98.6	85 - 115	X507027	10-Feb-25	
EPA 200.8	Antimony	mg/L	0.0238	0.0250	95.1	85 - 115	X506006	12-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0230	0.0250	92.0	85 - 115	X506006	12-Feb-25	
EPA 200.8	Selenium	mg/L	0.0224	0.0250	89.7	85 - 115	X506006	12-Feb-25	
EPA 200.8	Thallium	mg/L	0.0257	0.0250	103	85 - 115	X506006	12-Feb-25	
EPA 200.8	Uranium	mg/L	0.0274	0.0250	110	85 - 115	X506006	12-Feb-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00193	0.00200	96.2	85 - 115	X506082	11-Feb-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.108	0.100	108	90 - 110	X506103	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.0998	0.100	99.8	90 - 110	X506019	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X506056	07-Feb-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X507061	11-Feb-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	717	706	102	95.4 - 104	X507009	10-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	94 - 106	X506032	04-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	102	94 - 106	X506032	04-Feb-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X505215	03-Feb-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X505190	30-Jan-25	
EPA 300.0	Fluoride	mg/L	2.06	2.00	103	90 - 110	X505190	30-Jan-25	
EPA 300.0	Nitrate as N	mg/L	1.99	2.00	99.3	90 - 110	X505190	30-Jan-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	4.50	101	90 - 110	X505190	30-Jan-25	
EPA 300.0	Nitrite as N	mg/L	2.58	2.50	103	90 - 110	X505190	30-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	9.99	10.0	99.9	90 - 110	X505190	30-Jan-25	

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0368**
Reported: 13-Feb-25 16:34

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	<10.0	<10.0	UDL	20	X507009 - X5A0360-01	10-Feb-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	78.2	78.6	0.5	20	X506032 - X5A0360-02	04-Feb-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	78.2	78.6	0.5	20	X506032 - X5A0360-02	04-Feb-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X506032 - X5A0360-02	04-Feb-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X506032 - X5A0360-02	04-Feb-25	
SM 2540 C	Total Diss. Solids	mg/L	237	229	3.4	10	X505214 - X5A0374-02	03-Feb-25	
SM 2540 C	Total Diss. Solids	mg/L	732	638	13.7	10	X505214 - X5A0372-02	03-Feb-25	R2B
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X505215 - X5A0374-02	03-Feb-25	
SM 4500 H B	pH @16.5°C	pH Units	7.0	7.0	0.7	20	X506032 - X5A0360-02	04-Feb-25	

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	25.4	5.90	20.0	98	70 - 130	X507010 - X5A0371-01	11-Feb-25	
EPA 200.7	Magnesium	mg/L	22.3	1.96	20.0	102	70 - 130	X507010 - X5A0371-01	11-Feb-25	
EPA 200.7	Potassium	mg/L	20.4	1.08	20.0	96.8	70 - 130	X507010 - X5A0371-01	11-Feb-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	<0.080	1.00	102	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Aluminum	mg/L	0.994	<0.080	1.00	99.4	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Barium	mg/L	1.08	0.0411	1.00	104	70 - 130	X507027 - X5A0369-01	11-Feb-25	
EPA 200.7	Beryllium	mg/L	1.01	<0.00200	1.00	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Beryllium	mg/L	0.989	<0.00200	1.00	98.9	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Boron	mg/L	1.12	0.0651	1.00	105	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Boron	mg/L	1.08	0.0620	1.00	102	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Cadmium	mg/L	0.980	<0.0020	1.00	98.0	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Cadmium	mg/L	0.983	<0.0020	1.00	98.3	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Calcium	mg/L	283	263	20.0	97.2	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Calcium	mg/L	43.4	23.9	20.0	97.7	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Chromium	mg/L	1.01	<0.0060	1.00	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Chromium	mg/L	0.995	<0.0060	1.00	99.3	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Cobalt	mg/L	0.942	<0.0060	1.00	94.2	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Cobalt	mg/L	0.952	<0.0060	1.00	95.2	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Copper	mg/L	1.01	<0.0100	1.00	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Copper	mg/L	0.977	<0.0100	1.00	97.7	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Iron	mg/L	9.96	<0.100	10.0	99.6	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Lead	mg/L	0.963	<0.0075	1.00	96.3	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Lead	mg/L	0.971	<0.0075	1.00	97.1	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Lithium	mg/L	1.07	<0.040	1.00	107	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	101	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Magnesium	mg/L	52.6	31.9	20.0	104	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Magnesium	mg/L	46.6	26.8	20.0	99.1	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Manganese	mg/L	0.987	<0.0080	1.00	98.2	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Manganese	mg/L	0.973	<0.0080	1.00	97.3	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Molybdenum	mg/L	1.00	<0.0080	1.00	99.5	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Molybdenum	mg/L	0.982	<0.0080	1.00	98.2	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Nickel	mg/L	0.944	0.0109	1.00	93.3	70 - 130	X507027 - X5A0369-01	10-Feb-25	

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

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0368**
Reported: 13-Feb-25 16:34

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Nickel	mg/L	0.954	<0.0100	1.00	95.4	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Potassium	mg/L	25.4	5.27	20.0	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Potassium	mg/L	21.4	1.68	20.0	98.7	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Silver	mg/L	0.0357	<0.0050	0.0500	71.5	70 - 130	X507027 - X5A0369-01	12-Feb-25	
EPA 200.7	Silver	mg/L	0.0362	<0.0050	0.0500	72.3	70 - 130	X507027 - X5A0372-04	12-Feb-25	
EPA 200.7	Sodium	mg/L	53.2	34.1	19.0	101	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Sodium	mg/L	79.2	60.8	19.0	96.7	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Vanadium	mg/L	1.02	0.0085	1.00	101	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.7	Zinc	mg/L	1.00	0.0138	1.00	98.6	70 - 130	X507027 - X5A0369-01	10-Feb-25	
EPA 200.7	Zinc	mg/L	0.992	<0.0100	1.00	99.2	70 - 130	X507027 - X5A0372-04	10-Feb-25	
EPA 200.8	Antimony	mg/L	0.0269	<0.00100	0.0250	108	70 - 130	X506006 - X5A0368-01	12-Feb-25	
EPA 200.8	Arsenic	mg/L	0.0275	<0.00100	0.0250	109	70 - 130	X506006 - X5A0368-01	12-Feb-25	
EPA 200.8	Selenium	mg/L	0.0315	0.00408	0.0250	110	70 - 130	X506006 - X5A0368-01	12-Feb-25	
EPA 200.8	Thallium	mg/L	0.0272	<0.000200	0.0250	108	70 - 130	X506006 - X5A0368-01	12-Feb-25	
EPA 200.8	Uranium	mg/L	0.0354	0.00498	0.0250	122	70 - 130	X506006 - X5A0368-01	12-Feb-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00192	<0.000200	0.00200	96.0	70 - 130	X506082 - X5A0368-01	11-Feb-25	
EPA 245.1	Mercury	mg/L	0.00196	<0.000200	0.00200	98.0	70 - 130	X506082 - X5A0387-01	11-Feb-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.114	<0.0050	0.100	114	79 - 121	X506103 - X5A0313-01	05-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.136	0.0442	0.100	92.1	90 - 110	X506019 - X5A0334-03	04-Feb-25	
EPA 335.4	Cyanide (total)	mg/L	0.0987	<0.0050	0.100	98.7	90 - 110	X506019 - X5A0334-01	04-Feb-25	
EPA 350.1	Ammonia as N	mg/L	1.20	0.183	1.00	102	90 - 110	X506056 - X5A0368-02	07-Feb-25	
EPA 350.1	Ammonia as N	mg/L	1.14	0.051	1.00	109	90 - 110	X506056 - X5A0368-01	07-Feb-25	
OIA 1677	Cyanide (WAD)	mg/L	0.103	<0.0050	0.100	102	82 - 118	X507061 - X5A0334-01	11-Feb-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	6.19	3.17	3.00	101	90 - 110	X505190 - X5A0353-02	30-Jan-25	
EPA 300.0	Fluoride	mg/L	2.04	0.124	2.00	95.7	90 - 110	X505190 - X5A0353-02	30-Jan-25	
EPA 300.0	Nitrate as N	mg/L	44.1	42.3	2.00	0.30R>S	90 - 110	X505190 - X5A0353-02	30-Jan-25	M4
EPA 300.0	Nitrate+Nitrite as N	mg/L	47.7	43.9	4.00	94.5	90 - 110	X505190 - X5A0353-02	30-Jan-25	
EPA 300.0	Nitrite as N	mg/L	3.66	1.67	2.00	99.3	90 - 110	X505190 - X5A0353-02	30-Jan-25	
EPA 300.0	Sulfate as SO4	mg/L	109	99.1	10.0	94.0	90 - 110	X505190 - X5A0353-02	30-Jan-25	

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	25.2	25.4	20.0	1.0	20	96	X507010 - X5A0371-01	
EPA 200.7	Magnesium	mg/L	21.9	22.3	20.0	2.0	20	99.6	X507010 - X5A0371-01	
EPA 200.7	Potassium	mg/L	20.2	20.4	20.0	0.9	20	95.8	X507010 - X5A0371-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	1.02	1.00	0.2	20	102	X507027 - X5A0369-01	
EPA 200.7	Barium	mg/L	1.06	1.08	1.00	1.7	20	102	X507027 - X5A0369-01	
EPA 200.7	Beryllium	mg/L	1.00	1.01	1.00	0.5	20	100	X507027 - X5A0369-01	
EPA 200.7	Boron	mg/L	1.11	1.12	1.00	0.8	20	105	X507027 - X5A0369-01	

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5A0368**
Reported: 13-Feb-25 16:34

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Cadmium	mg/L	0.972	0.980	1.00	0.8	20	97.2	X507027 - X5A0369-01	
EPA 200.7	Calcium	mg/L	286	283	20.0	0.9	20	110	X507027 - X5A0369-01	
EPA 200.7	Chromium	mg/L	1.01	1.01	1.00	0.2	20	101	X507027 - X5A0369-01	
EPA 200.7	Cobalt	mg/L	0.945	0.942	1.00	0.3	20	94.5	X507027 - X5A0369-01	
EPA 200.7	Copper	mg/L	1.01	1.01	1.00	0.7	20	100	X507027 - X5A0369-01	
EPA 200.7	Iron	mg/L	10.2	10.1	10.0	0.7	20	102	X507027 - X5A0369-01	
EPA 200.7	Lead	mg/L	0.967	0.963	1.00	0.4	20	96.7	X507027 - X5A0369-01	
EPA 200.7	Lithium	mg/L	1.07	1.07	1.00	0.5	20	107	X507027 - X5A0369-01	
EPA 200.7	Magnesium	mg/L	52.8	52.6	20.0	0.4	20	105	X507027 - X5A0369-01	
EPA 200.7	Manganese	mg/L	0.982	0.987	1.00	0.5	20	97.7	X507027 - X5A0369-01	
EPA 200.7	Molybdenum	mg/L	1.01	1.00	1.00	0.6	20	100	X507027 - X5A0369-01	
EPA 200.7	Nickel	mg/L	0.946	0.944	1.00	0.2	20	93.5	X507027 - X5A0369-01	
EPA 200.7	Potassium	mg/L	25.7	25.4	20.0	1.4	20	102	X507027 - X5A0369-01	
EPA 200.7	Silver	mg/L	0.0359	0.0357	0.0500	0.5	20	71.8	X507027 - X5A0369-01	
EPA 200.7	Sodium	mg/L	53.5	53.2	19.0	0.6	20	102	X507027 - X5A0369-01	
EPA 200.7	Vanadium	mg/L	1.03	1.04	1.00	0.6	20	103	X507027 - X5A0369-01	
EPA 200.7	Zinc	mg/L	1.00	1.00	1.00	0.2	20	98.8	X507027 - X5A0369-01	
EPA 200.8	Antimony	mg/L	0.0277	0.0269	0.0250	2.6	20	111	X506006 - X5A0368-01	
EPA 200.8	Arsenic	mg/L	0.0284	0.0275	0.0250	3.1	20	112	X506006 - X5A0368-01	
EPA 200.8	Selenium	mg/L	0.0326	0.0315	0.0250	3.3	20	114	X506006 - X5A0368-01	
EPA 200.8	Thallium	mg/L	0.0279	0.0272	0.0250	2.8	20	111	X506006 - X5A0368-01	
EPA 200.8	Uranium	mg/L	0.0364	0.0354	0.0250	2.8	20	126	X506006 - X5A0368-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00184	0.00192	0.00200	4.5	20	91.9	X506082 - X5A0368-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.117	0.114	0.100	2.6	11	117	X506103 - X5A0313-01	
EPA 335.4	Cyanide (total)	mg/L	0.125	0.136	0.100	8.5	20	81.0	X506019 - X5A0334-03	M2
EPA 350.1	Ammonia as N	mg/L	1.22	1.20	1.00	1.5	20	104	X506056 - X5A0368-02	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.103	0.100	1.0	11	101	X507061 - X5A0334-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	6.23	6.19	3.00	0.7	20	102	X505190 - X5A0353-02	
EPA 300.0	Fluoride	mg/L	2.08	2.04	2.00	1.9	20	97.7	X505190 - X5A0353-02	
EPA 300.0	Nitrate as N	mg/L	44.0	44.1	2.00	0.2	20	0.30R>S	X505190 - X5A0353-02	M4
EPA 300.0	Nitrate+Nitrite as N	mg/L	47.7	47.7	4.00	0.1	20	93.4	X505190 - X5A0353-02	
EPA 300.0	Nitrite as N	mg/L	3.70	3.66	2.00	1.0	20	101	X505190 - X5A0353-02	
EPA 300.0	Sulfate as SO4	mg/L	108	109	10.0	0.0	20	93.4	X505190 - X5A0353-02	

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: **X5A0368**
Victor, CO 80860	Reported: 13-Feb-25 16:34

Notes and Definitions

D18	Due to a published chemical interference, a sample dilution was performed.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, 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.
Q5C	After two pH adjustments, the method-specified pH was not achieved.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Newmont
NORTH AMERICA

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

P 719.689.2977
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newmont.com

Attachment 2

Sampling Logs

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: Emp-16 **Date:** 1/13/25

Technician: J. Cranford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
9:21	—	frozen	—	

Sample Method: —

Oil/Gas visible ~~[Y / N]~~

Turbid ~~[Y / N]~~

Clear ~~[Y / N]~~

Weather: 17°F, Sunny

Signature:

Comments / Notes:

Emp-16 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: Emp-17 **Date:** 1/13/25

Technician: J. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
9:19	—	frozen	—	—

Sample Method: —

Oil/Gas visible — [Y / N]

Turbid — [Y / N]

Clear — [Y / N]

Weather: 17°F, Sunny

Signature:

Comments / Notes:

Emp-17 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: EmP-17A **Date:** 11/13/25

Technician: J. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
9:18		Frozen		

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 17°F, Sunny

Signature:

Comments / Notes:

EmP- 17A is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: EMP-17B **Date:** 11/3/25

Technician: J. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
9:14	—	Frozen	—	—

Sample Method: —

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 17°F, Sunny

Signature:

Comments / Notes:

EMP-17Ba is Frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: Emp-20 **Date:** 1/13/25

Technician: J. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
9:11		Frozen		

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 17°F, Sunny

Signature:

Comments / Notes:

Emp-20 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: GV-02 **Date:** 1/14/25

Technician: J. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:05	—	frozen	—	

Sample Method: —

Oil/Gas visible ~~[Y / N]~~

Turbid ~~[Y / N]~~

Clear ~~[Y / N]~~

Weather: 7°F, Sunny

Signature:

Comments / Notes:

GV-02 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: GV-03 **Date:** 1/14/25

Technician: J. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:09		Frozen		

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 7°F, Sunny

Signature:

Comments / Notes:

GV-03 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: GV-4.5 **Date:** 1/14/25

Technician: J. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:13	—	Frozen	—	

Sample Method: —

Oil/Gas visible ~~[Y / N]~~

Turbid ~~[Y / N]~~

Clear ~~[Y / N]~~

Weather: 7°F, Sunny

Signature:

Comments / Notes:

GV-4.5 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: GV-5 **Date:** 1/14/25

Technician: S. Cranford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:18		frozen		

Sample Method:

Oil/Gas visible ~~[Y / N]~~

Turbid ~~[Y / N]~~

Clear ~~[Y / N]~~

Weather: 7°F, Sunny

Signature:

Comments / Notes:

GV-5 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: GV-6 **Date:** 11/14/25

Technician: S. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:20		frozen		

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 7°F, Sunny

Signature:

Comments / Notes:

GV-6 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Low-Flow Test Report:

Test Date / Time: 1/14/2025 12:01:34 PM
Project: Grassy Valley
Operator Name: J. Crawford

Location Name: GVMW-4A **Latitude: 38.75046072326643** **Longitude: -105.13400610690164** **Well Diameter: 4 in** **Total Depth: 480 ft** **Initial Depth to Water: 39.73 ft**	**Estimated Total Volume Pumped:** **7.75 gal** - use 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.09 gal/min** **Final Draw Down: 1.37 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809** O/G visible: Y/(N) Turbid? Y/(N) Equipment decontaminated: (Y)/N triple rinse, Liquid-knox

Test Notes: If low-flow met drawdown greater than 0.33 ft? (Y)/N
If yes, required Pump vol(gal): 4.42

Weather Conditions:
16F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/14/2025 12:01 PM	00:00	7.13 pH	3.30 °C	211.07 µS/cm	1.95 mg/L	90.2 mV	39.73 ft	0.09 gal/min
1/14/2025 12:06 PM	05:00	6.62 pH	4.86 °C	225.40 µS/cm	0.07 mg/L	10.1 mV	40.52 ft	0.09 gal/min
1/14/2025 12:11 PM	10:00	6.62 pH	4.88 °C	234.86 µS/cm	0.02 mg/L	19.3 mV	40.75 ft	0.09 gal/min
1/14/2025 12:16 PM	15:00	6.54 pH	4.79 °C	237.10 µS/cm	0.00 mg/L	24.4 mV	40.90 ft	0.09 gal/min
1/14/2025 12:21 PM	20:00	6.54 pH	4.87 °C	237.87 µS/cm	0.00 mg/L	26.2 mV	41.04 ft	0.09 gal/min
1/14/2025 12:26 PM	25:00	6.53 pH	4.80 °C	277.25 µS/cm	0.00 mg/L	27.1 mV	41.10 ft	0.09 gal/min
1/14/2025 12:31 PM	30:00	6.52 pH	4.91 °C	278.03 µS/cm	0.00 mg/L	27.7 mV	41.10 ft	0.09 gal/min
1/14/2025 12:36 PM	35:00	6.51 pH	5.07 °C	276.75 µS/cm	0.00 mg/L	28.2 mV	41.10 ft	0.09 gal/min
1/14/2025 12:41 PM	40:00	6.51 pH	4.89 °C	276.69 µS/cm	0.00 mg/L	28.3 mV	41.10 ft	0.09 gal/min
1/14/2025 12:46 PM	45:00	6.51 pH	4.95 °C	276.57 µS/cm	0.00 mg/L	28.4 mV	41.10 ft	0.09 gal/min
1/14/2025 12:51 PM	50:00	6.50 pH	4.95 °C	275.89 µS/cm	0.00 mg/L	28.4 mV	41.10 ft	0.09 gal/min

Samples

Sample ID:	Description:

GVMW-4A 1/14/25	

Calculations:

1.37 + 2.25 + 0.8 = 4.42

Low-Flow Test Report:

Test Date / Time: 1/7/2025 11:59:49 AM
Project: Grassy Valley
Operator Name: J. Cranford

Location Name: GVMW-7A **Latitude: 38.747727549587445** **Longitude: -105.12441283608248** **Well Diameter: 3 in** **Total Depth: 200 ft** **Initial Depth to Water: 31.83 ft**	**Estimated Total Volume Pumped:** **5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.03 gal/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes: use 5 gallon Bucket

Weather Conditions:
16 F, Snowing

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/7/2025 11:59 AM	00:00	7.66 pH	1.64 °C	308,839 µS/cm	0.48 mg/L	146.2 mV	31.83 ft	
1/7/2025 12:04 PM	05:00	7.54 pH	4.25 °C	326,646 µS/cm	0.04 mg/L	63.5 mV	31.73 ft	
1/7/2025 12:09 PM	10:00	7.51 pH	4.21 °C	358,135 µS/cm	0.02 mg/L	30.0 mV	31.76 ft	
1/7/2025 12:14 PM	15:00	7.50 pH	4.40 °C	367,525 µS/cm	0.01 mg/L	13.6 mV	31.80 ft	0.03 gal/min
1/7/2025 12:19 PM	20:00	7.51 pH	3.93 °C	368,816 µS/cm	0.01 mg/L	7.9 mV	31.83 ft	0.03 gal/min
1/7/2025 12:24 PM	25:00	7.50 pH	4.17 °C	373,143 µS/cm	0.01 mg/L	2.1 mV	31.85 ft	0.03 gal/min
1/7/2025 12:29 PM	30:00	7.50 pH	4.10 °C	374,362 µS/cm	0.00 mg/L	-2.2 mV	31.85 ft	0.03 gal/min
1/7/2025 12:34 PM	35:00	7.52 pH	3.53 °C	369,557 µS/cm	0.00 mg/L	-5.5 mV	31.85 ft	0.03 gal/min
1/7/2025 12:39 PM	40:00	7.45 pH	4.97 °C	380,784 µS/cm	0.01 mg/L	-7.7 mV	31.85 ft	0.03 gal/min
1/7/2025 12:44 PM	45:00	7.48 pH	5.42 °C	372,123 µS/cm	0.00 mg/L	-21.9 mV	31.85 ft	0.03 gal/min
1/7/2025 12:49 PM	50:00	7.46 pH	5.51 °C	380,768 µS/cm	0.00 mg/L	-23.3 mV	31.85 ft	0.03 gal/min
1/7/2025 12:54 PM	55:00	7.45 pH	5.55 °C	373,269 µS/cm	0.00 mg/L	-21.7 mV	31.85 ft	0.03 gal/min

Samples

Sample ID:	Description:

GVMW-7A	

Created using VuSitu from In-Situ, Inc.

If Low-flow met drawdown greater than 0.33 ft Y/(N)

O/G visible Y/(N) Turbid Y/(N)

Equipment decontaminated: (Y)/N - Triple rinse, Liquid-Knox

Low-Flow Test Report:

Test Date / Time: 1/13/2025 10:28:32 AM
Project: Grassy Valley
Operator Name: J. Crawford JC

Location Name: ~~Device Location~~ GVMW-7B/GVMW-107G JC
Initial Depth to Water: 28.34 ft
well diameter: 4 in
total depth: 50 ft

Estimated Total Volume Pumped:
10 gal - use 5 gal bucket
Flow Cell Volume: 130 ml
Final Flow Rate: 0.14 gal/min
Final Draw Down: 0.69 ft

Instrument Used: Aqua TROLL 600
Serial Number: 1109809
OG visible? Y/(N)
Turbid? Y/(N)
Equipment decontaminated: (Y)/N
Triple rinse, liquid-Alnox

Test Notes: If low-flow met drawdown greater than 0.33 ft? (Y)/N
If ~~yes~~, required Pump vol (gal): 1.47

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/13/2025 10:28 AM	00:00	6.77 pH	6.07 °C	841.22 µS/cm	9.03 mg/L	257.3 mV	28.34 ft	
1/13/2025 10:33 AM	05:00	6.74 pH	6.18 °C	659.61 µS/cm	8.50 mg/L	265.4 mV	29.03 ft	
1/13/2025 10:34 AM	06:05	6.71 pH	6.20 °C	628.33 µS/cm	8.39 mg/L	266.3 mV	29.03 ft	0.14 gal/min
1/13/2025 10:39 AM	11:05	6.58 pH	6.08 °C	526.81 µS/cm	7.80 mg/L	267.1 mV	29.03 ft	0.14 gal/min
1/13/2025 10:44 AM	16:05	6.47 pH	6.22 °C	425.20 µS/cm	7.28 mg/L	263.9 mV	29.03 ft	0.14 gal/min
1/13/2025 10:49 AM	21:05	6.46 pH	6.37 °C	414.47 µS/cm	7.22 mg/L	261.7 mV	29.03 ft	0.14 gal/min
1/13/2025 10:54 AM	26:05	6.45 pH	6.18 °C	410.44 µS/cm	7.21 mg/L	261.0 mV	29.03 ft	0.14 gal/min
1/13/2025 10:59 AM	31:05	6.44 pH	6.27 °C	405.54 µS/cm	7.18 mg/L	261.1 mV	29.03 ft	0.14 gal/min
1/13/2025 11:04 AM	36:05	6.43 pH	6.36 °C	390.31 µS/cm	7.17 mg/L	261.0 mV	29.03 ft	0.14 gal/min
1/13/2025 11:09 AM	41:05	6.42 pH	6.37 °C	381.66 µS/cm	7.14 mg/L	260.9 mV	29.03 ft	0.14 gal/min
1/13/2025 11:14 AM	46:05	6.42 pH	6.37 °C	367.01 µS/cm	7.10 mg/L	260.8 mV	29.03 ft	0.14 gal/min
1/13/2025 11:19 AM	51:05	6.41 pH	6.44 °C	359.10 µS/cm	7.11 mg/L	260.5 mV	29.03 ft	0.14 gal/min
1/13/2025 11:24 AM	56:05	6.40 pH	6.48 °C	360.03 µS/cm	7.11 mg/L	260.3 mV	29.03 ft	0.14 gal/min

Samples

Sample ID:	Description:
GVMW-7B	

GVMW-107G	Duplicate

Calculations: 0.69 + 0.29 + 0.5 = 1.47

Low-Flow Test Report:

Test Date / Time: 1/15/2025 12:02:40 PM
Project: Grassy Valley
Operator Name: J. Crawford

Location Name: GVMW-8A **Latitude: 38.74134705034683** **Longitude: -105.12019080381083** **Well Diameter: 4 in** **Total Depth: 250 ft** **Initial Depth to Water: 130.13 ft**	**Estimated Total Volume Pumped:** **5 gal** - use 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.13 gal/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809** O/G visible: Y/(N) Turbid: Y/(N) Equipment decontaminated: ~~Y~~/(N) - dedicated Pump.

Test Notes: If Low flow met drawdown greater than 0.33 ft? : Y/(N)

Weather Conditions:
32 F, Windy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/15/2025 12:02 PM	00:00	7.00 pH	5.70 °C	448.25 µS/cm	5.84 mg/L	181.6 mV	130.13 ft	0.13 gal/min
1/15/2025 12:07 PM	05:00	6.95 pH	6.03 °C	440.43 µS/cm	4.28 mg/L	199.7 mV	130.25 ft	0.13 gal/min
1/15/2025 12:12 PM	10:00	6.92 pH	6.17 °C	430.27 µS/cm	3.80 mg/L	211.6 mV	130.26 ft	0.13 gal/min
1/15/2025 12:17 PM	15:00	6.90 pH	6.25 °C	425.09 µS/cm	3.57 mg/L	215.2 mV	130.26 ft	0.13 gal/min
1/15/2025 12:22 PM	20:00	6.88 pH	6.40 °C	422.17 µS/cm	3.36 mg/L	216.8 mV	130.26 ft	0.13 gal/min
1/15/2025 12:27 PM	25:00	6.87 pH	6.48 °C	423.37 µS/cm	3.24 mg/L	218.1 mV	130.26 ft	0.13 gal/min
1/15/2025 12:32 PM	30:00	6.87 pH	6.58 °C	418.01 µS/cm	3.16 mg/L	216.7 mV	130.26 ft	0.13 gal/min
1/15/2025 12:33 PM	30:57	6.85 pH	6.57 °C	417.29 µS/cm	3.15 mg/L	216.6 mV	130.26 ft	0.13 gal/min

Samples

Sample ID:	Description:
GVMW-8A	

Low-Flow Test Report:

Test Date / Time: 1/13/2025 12:02:47 PM
Project: Grassy Valley
Operator Name: Jordan Cranford JC

Location Name: GVMW-8B **Latitude: 38.74132405504467** **Longitude: -105.12026910679892** **Well Diameter: 4 in** **Total Depth: 50 ft** **Initial Depth to Water: 40.08 ft**	**Estimated Total Volume Pumped:** **4 gal** - use 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.06 gal/min** **Final Draw Down: 0.68 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809** O/G visible? Y/(N) Turbid? Y/(N) Equipment decontaminated: Y/(N) Dedicated Pump

Test Notes:
Couldn't not get the temperature to stabilize due to unstable weather outside. Wind caused temperature fluctuations.
If low-flow met drawdown greater than 0.33 ft? (Y)/N
If yes, required Pump Vol (gal): 1.47
Weather Conditions:
17 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/13/2025 12:02 PM	00:00	6.70 pH	5.82 °C	462.55 µS/cm	8.24 mg/L	265.4 mV	40.08 ft	0.06 gal/min
1/13/2025 12:02 PM	00:10	6.71 pH	5.84 °C	462.43 µS/cm	8.24 mg/L	265.4 mV	40.08 ft	0.06 gal/min
1/13/2025 12:07 PM	05:10	6.72 pH	6.45 °C	461.11 µS/cm	8.18 mg/L	264.8 mV	40.70 ft	0.06 gal/min
1/13/2025 12:12 PM	10:10	6.73 pH	7.21 °C	459.71 µS/cm	8.11 mg/L	263.4 mV	40.76 ft	0.06 gal/min
1/13/2025 12:17 PM	15:10	6.74 pH	7.16 °C	454.03 µS/cm	7.95 mg/L	262.1 mV	40.76 ft	0.06 gal/min
1/13/2025 12:22 PM	20:10	6.74 pH	6.47 °C	451.83 µS/cm	8.01 mg/L	262.9 mV	40.76 ft	0.06 gal/min
1/13/2025 12:27 PM	25:10	6.67 pH	8.26 °C	463.36 µS/cm	8.22 mg/L	261.7 mV	40.76 ft	0.06 gal/min
1/13/2025 12:32 PM	30:10	6.70 pH	7.73 °C	453.95 µS/cm	7.93 mg/L	264.4 mV	40.76 ft	0.06 gal/min
1/13/2025 12:37 PM	35:10	6.66 pH	7.36 °C	455.20 µS/cm	7.83 mg/L	265.7 mV	40.76 ft	0.06 gal/min
1/13/2025 12:42 PM	40:10	6.63 pH	7.38 °C	456.25 µS/cm	7.64 mg/L	266.2 mV	40.76 ft	0.06 gal/min
1/13/2025 12:47 PM	45:10	6.66 pH	7.03 °C	453.25 µS/cm	7.42 mg/L	265.3 mV	40.76 ft	0.06 gal/min
1/13/2025 12:52 PM	50:10	6.67 pH	6.53 °C	453.96 µS/cm	7.45 mg/L	265.6 mV	40.76 ft	0.06 gal/min
1/13/2025 12:57 PM	55:10	6.68 pH	5.76 °C	451.38 µS/cm	7.34 mg/L	265.7 mV	40.76 ft	0.06 gal/min
1/13/2025 1:02 PM	01:00:10	6.69 pH	5.34 °C	449.62 µS/cm	7.21 mg/L	266.9 mV	40.76 ft	0.06 gal/min

Samples

Sample ID:	Description:
GVMW-8B	

Calculations: 0.68 + 0.29 + 0.50 = 1.47

Low-Flow Test Report:

Test Date / Time: 1/27/2025 12:26:27 PM
Project: Grassy valley
Operator Name: Treed

Location Name: GVMW-10 **Latitude: 38.74440046496591** **Longitude: -105.12528743604676** **Well Diameter: 3 in** **Total Depth: 270 ft** **Initial Depth to Water: 225.86 ft**	**Estimated Total Volume Pumped: 8.5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.11 gal/min** **Final Draw Down: 1.05 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809** 0/6 visible = no turbid = no

Test Notes:
Use 5 gallon bucket
Drew down less then 0.33 ft = no/total drawdown = 1.05 / 2.69 + 0.8 = 3.49 gal
triple Rinse Alcknox
Weather Conditions:
33 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/27/2025 12:26 PM	00:00	6.62 pH	4.96 °C	2,659.4 µS/cm	1.49 mg/L	401.2 mV	225.86 ft	0.11 gal/min
1/27/2025 12:31 PM	05:00	6.67 pH	4.95 °C	2,659.3 µS/cm	0.20 mg/L	349.2 mV	226.49 ft	0.11 gal/min
1/27/2025 12:36 PM	10:00	6.76 pH	5.33 °C	2,640.8 µS/cm	0.24 mg/L	345.7 mV	226.50 ft	0.11 gal/min
1/27/2025 12:41 PM	15:00	6.78 pH	5.46 °C	2,619.2 µS/cm	0.19 mg/L	331.8 mV	226.55 ft	0.11 gal/min
1/27/2025 12:46 PM	20:00	6.73 pH	10.85 °C	2,607.0 µS/cm	0.11 mg/L	302.9 mV	226.58 ft	0.11 gal/min
1/27/2025 12:51 PM	25:00	6.72 pH	10.42 °C	2,569.0 µS/cm	0.07 mg/L	289.0 mV	226.66 ft	0.11 gal/min
1/27/2025 12:56 PM	30:00	6.72 pH	9.74 °C	2,551.3 µS/cm	0.05 mg/L	279.7 mV	226.66 ft	0.11 gal/min
1/27/2025 1:01 PM	35:00	6.71 pH	9.55 °C	2,526.1 µS/cm	0.04 mg/L	271.9 mV	226.68 ft	0.11 gal/min
1/27/2025 1:06 PM	40:00	6.71 pH	9.45 °C	2,529.2 µS/cm	0.03 mg/L	265.5 mV	226.70 ft	0.11 gal/min
1/27/2025 1:11 PM	45:00	6.70 pH	9.43 °C	2,518.7 µS/cm	0.02 mg/L	259.5 mV	226.77 ft	0.11 gal/min
1/27/2025 1:16 PM	50:00	6.70 pH	9.36 °C	2,502.8 µS/cm	0.02 mg/L	253.6 mV	226.80 ft	0.11 gal/min
1/27/2025 1:21 PM	55:00	6.70 pH	9.35 °C	2,520.4 µS/cm	0.01 mg/L	248.1 mV	226.89 ft	0.11 gal/min
1/27/2025 1:26 PM	01:00:00	6.72 pH	9.33 °C	2,507.3 µS/cm	0.01 mg/L	243.1 mV	226.91 ft	0.11 gal/min
1/27/2025 1:31 PM	01:05:00	6.73 pH	9.32 °C	2,497.8 µS/cm	0.01 mg/L	238.5 mV	226.91 ft	0.11 gal/min

Samples

Sample ID:	Description:
GVMW-10	

Low-Flow Test Report:

Test Date / Time: 1/27/2025 9:57:19 AM
Project: Grassy Valley
Operator Name: T. Reed

Location Name: GVMW-15a **Latitude: 38.74936517465849** **Longitude: -105.13566073083136** **Well Diameter: 4 in** **Total Depth: 382 ft** **Initial Depth to Water: 91.92 ft**	**Estimated Total Volume Pumped: 3.5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.05 gal/min** **Final Draw Down: 0.68 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket
triple Rinse Alcknox
Odor visible = No turbid = No

0.5 + 1.14 = 1.64

Weather Conditions:
25 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/27/2025 9:57 AM	00:00	6.33 pH	2.48 °C	438.66 µS/cm	0.88 mg/L	42.6 mV	91.92 ft	0.05 gal/min
1/27/2025 10:02 AM	05:00	6.40 pH	3.88 °C	440.85 µS/cm	0.44 mg/L	25.6 mV	92.29 ft	0.05 gal/min
1/27/2025 10:07 AM	10:00	6.41 pH	4.23 °C	438.17 µS/cm	0.38 mg/L	18.5 mV	92.33 ft	0.05 gal/min
1/27/2025 10:12 AM	15:00	6.42 pH	4.42 °C	434.96 µS/cm	0.35 mg/L	13.0 mV	92.33 ft	0.05 gal/min
1/27/2025 10:17 AM	20:00	6.42 pH	4.54 °C	435.19 µS/cm	0.33 mg/L	8.7 mV	92.37 ft	0.05 gal/min
1/27/2025 10:22 AM	25:00	6.42 pH	4.58 °C	435.38 µS/cm	0.31 mg/L	6.2 mV	92.43 ft	0.05 gal/min
1/27/2025 10:27 AM	30:00	6.41 pH	4.77 °C	430.68 µS/cm	0.29 mg/L	4.1 mV	92.47 ft	0.05 gal/min
1/27/2025 10:32 AM	35:00	6.40 pH	4.97 °C	430.34 µS/cm	0.28 mg/L	2.6 mV	92.49 ft	0.05 gal/min
1/27/2025 10:37 AM	40:00	6.41 pH	4.89 °C	426.73 µS/cm	0.27 mg/L	0.8 mV	92.56 ft	0.05 gal/min
1/27/2025 10:42 AM	45:00	6.41 pH	4.82 °C	425.63 µS/cm	0.26 mg/L	0.1 mV	92.60 ft	0.05 gal/min
1/27/2025 10:47 AM	50:00	6.41 pH	4.93 °C	422.43 µS/cm	0.25 mg/L	-1.2 mV	92.60 ft	0.05 gal/min

total Drawdown
0.68

Samples

Sample ID:	Description:

GVMW-15A	

Low-Flow Test Report:

Test Date / Time: 1/27/2025 8:55:29 AM
Project: Grassy valley
Operator Name: Treed

Location Name: GVMW-15b **Latitude: 38.74940034295925** **Longitude: -105.13566835168923** **Well Diameter: 4 in** **Total Depth: 102 ft** **Initial Depth to Water: 79.59 ft**	**Estimated Total Volume Pumped: 2.1 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.06 gal/min** **Final Draw Down: 0.17 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gal bucket
triple Rinse Alc Knox
O/G Visible = No / Turbid = No
Drawdown was less then 0.33 ft.

Weather Conditions:
21 f

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/27/2025 8:55 AM	00:00	4.92 pH	5.49 °C	549.12 µS/cm	2.37 mg/L	148.3 mV	79.59 ft	0.06 gal/min
1/27/2025 9:00 AM	05:00	4.94 pH	5.36 °C	539.00 µS/cm	0.22 mg/L	113.1 mV	79.63 ft	0.06 gal/min
1/27/2025 9:05 AM	10:00	5.03 pH	5.97 °C	535.77 µS/cm	0.21 mg/L	103.6 mV	79.64 ft	0.06 gal/min
1/27/2025 9:10 AM	15:00	5.07 pH	7.11 °C	535.58 µS/cm	0.14 mg/L	95.4 mV	79.64 ft	0.06 gal/min
1/27/2025 9:15 AM	20:00	5.13 pH	7.41 °C	533.73 µS/cm	0.11 mg/L	88.6 mV	79.68 ft	0.06 gal/min
1/27/2025 9:20 AM	25:00	5.18 pH	7.55 °C	532.62 µS/cm	0.10 mg/L	85.0 mV	79.70 ft	0.06 gal/min
1/27/2025 9:25 AM	30:00	5.23 pH	7.55 °C	533.91 µS/cm	0.09 mg/L	80.7 mV	79.76 ft	0.06 gal/min
1/27/2025 9:30 AM	35:00	5.17 pH	7.54 °C	535.33 µS/cm	0.09 mg/L	80.5 mV	79.76 ft	0.06 gal/min

total Drawdown
0.17

Samples

Sample ID:	Description:
Gvmw-15b 1/27/25	

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Groundwater Sampling Log

Location : Grassy Valley **Date:** 1/27/25

Technician: J. Crawford **Quarter:** 1

Static Water Level (DTW): ~~~~ **Well ID:** Gumw-15C

Is well Dry? Yes **If so Dry at:** 419 **Well Depth (TD):** 419 **feet**

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

DRY

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~~ Turbid? ~~Y / N~~
Equipment Decontaminated: ~~Y / N~~
Decontamination procedure used: n/a

Weather: 33° F, Sunny
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:

Gumw-15C is Dry.

Low-Flow Test Report:

Test Date / Time: 1/7/2025 10:18:12 AM
Project: Grassy Valley
Operator Name: J. Crawford

Location Name: GVMW-22A **Latitude: 38.74077900829011** **Longitude: -105.11106980100577** **Well Diameter: 4 in** **Total Depth: 70 ft** **Initial Depth to Water: 3.95 ft**	**Estimated Total Volume Pumped:** **9.5 gal** ← use 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.06 gal/min** **Final Draw Down: 2.49 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
ORP did not stabilize. All other parameters were stabilized.

Weather Conditions:
9 F Snowing

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.1	+/- 10	+/- 0.33	
1/7/2025 10:18 AM	00:00	7.78 pH	5.18 °C	349,024 µS/cm	0.25 mg/L	227.4 mV	3.95 ft	
1/7/2025 10:19 AM	01:18	7.80 pH	5.46 °C	346,177 µS/cm	0.08 mg/L	219.3 mV	3.95 ft	
1/7/2025 10:24 AM	06:18	7.84 pH	5.23 °C	344,757 µS/cm	0.06 mg/L	214.8 mV	3.95 ft	
1/7/2025 10:25 AM	07:38	7.84 pH	5.19 °C	344,632 µS/cm	0.05 mg/L	211.4 mV	5.88 ft	
1/7/2025 10:30 AM	12:38	7.84 pH	5.24 °C	343,702 µS/cm	0.05 mg/L	197.7 mV	6.20 ft	0.06 gal/min
1/7/2025 10:35 AM	17:38	7.85 pH	5.20 °C	342,450 µS/cm	0.04 mg/L	184.1 mV	6.32 ft	0.06 gal/min
1/7/2025 10:40 AM	22:38	7.85 pH	5.07 °C	341,517 µS/cm	0.04 mg/L	169.9 mV	6.40 ft	0.06 gal/min
1/7/2025 10:45 AM	27:38	7.85 pH	5.09 °C	339,628 µS/cm	0.03 mg/L	155.3 mV	6.44 ft	0.06 gal/min
1/7/2025 10:50 AM	32:38	7.85 pH	4.82 °C	340,228 µS/cm	0.03 mg/L	144.3 mV	6.44 ft	0.06 gal/min
1/7/2025 10:55 AM	37:38	7.85 pH	5.46 °C	346,509 µS/cm	0.20 mg/L	128.1 mV	6.44 ft	0.06 gal/min
1/7/2025 11:00 AM	42:38	7.85 pH	5.60 °C	344,474 µS/cm	0.03 mg/L	104.6 mV	6.44 ft	0.06 gal/min
1/7/2025 11:04 AM	46:42	7.86 pH	5.49 °C	343,808 µS/cm	0.03 mg/L	93.3 mV	6.44 ft	0.06 gal/min
1/7/2025 11:09 AM	51:42	7.88 pH	5.31 °C	344,631 µS/cm	0.02 mg/L	70.9 mV	6.44 ft	0.06 gal/min
1/7/2025 11:14 AM	56:42	7.88 pH	5.26 °C	340,730 µS/cm	0.02 mg/L	57.4 mV	6.44 ft	0.06 gal/min
1/7/2025 11:19 AM	01:01:42	7.88 pH	5.18 °C	339,941 µS/cm	0.02 mg/L	45.7 mV	6.44 ft	0.06 gal/min

1/7/2025 11:24 AM	01:06:42	7.88 pH	5.23 °C	339,932 µS/cm	0.02 mg/L	38.6 mV	6.44 ft	0.06 gal/min
1/7/2025 11:29 AM	01:11:42	7.88 pH	5.20 °C	340,596 µS/cm	0.01 mg/L	32.1 mV	6.44 ft	0.06 gal/min

Samples

Sample ID:	Description:
GVMW-22A	

Created using VuSitu from In-Situ, Inc.

If low flow met drawdown greater than 0.33 ft (Y)/N
if yes, Regained Pump vol (gal): 4.49

O/G visible: Y/(N)

Turbid: Y/(N)

Equipment decontaminated: (Y)/N - Tripple rinse, Liquid-Knox

Calculations: 2.49 + 0.40 + 1.6 = 4.49

Low-Flow Test Report:

Test Date / Time: 1/7/2025 9:12:47 AM
Project: ~~Low-Flow Test 1 (3)~~ JC Grassy Valley
Operator Name: J. Crawford

Location Name: ~~GVMW-27~~ GVMW-22B **Latitude: 38.7411712436078** **Longitude: -105.12171885022599** **Well Diameter: 4 in** **Total Depth: 30 ft** **Initial Depth to Water: 4.9 ft**	**Estimated Total Volume Pumped:** **5.5 gal** - ~~1.5~~ 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.07 gal/min** **Final Draw Down: 1.02 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Took a while to get water level to stabilize due to water pressure fluctuating.

Weather Conditions:
9 F Snowing

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/7/2025 9:12 AM	00:00	6.70 pH	5.79 °C	0.09 µS/cm	2.93 mg/L	218.9 mV	4.90 ft	0.07 gal/min
1/7/2025 9:13 AM	00:25	6.71 pH	5.78 °C	0.09 µS/cm	2.90 mg/L	219.2 mV	4.90 ft	0.07 gal/min
1/7/2025 9:13 AM	00:56	6.71 pH	5.77 °C	0.09 µS/cm	2.88 mg/L	219.6 mV	4.90 ft	0.07 gal/min
1/7/2025 9:18 AM	05:56	6.73 pH	5.70 °C	0.09 µS/cm	2.80 mg/L	223.1 mV	5.25 ft	0.07 gal/min
1/7/2025 9:23 AM	10:56	6.67 pH	5.65 °C	0.09 µS/cm	2.50 mg/L	228.3 mV	5.70 ft	0.07 gal/min
1/7/2025 9:24 AM	11:35	6.71 pH	5.64 °C	0.09 µS/cm	2.50 mg/L	227.3 mV	5.70 ft	0.07 gal/min
1/7/2025 9:29 AM	16:35	6.74 pH	5.57 °C	0.09 µS/cm	2.47 mg/L	228.0 mV	5.92 ft	0.07 gal/min
1/7/2025 9:34 AM	21:35	6.74 pH	5.49 °C	0.09 µS/cm	2.47 mg/L	227.3 mV	5.92 ft	0.07 gal/min
1/7/2025 9:39 AM	26:35	6.75 pH	5.40 °C	0.09 µS/cm	2.53 mg/L	226.9 mV	5.92 ft	0.07 gal/min
1/7/2025 9:44 AM	31:35	6.75 pH	5.38 °C	0.09 µS/cm	2.53 mg/L	226.0 mV	5.92 ft	0.07 gal/min

Samples

Sample ID:	Description:
GVMW-22B	

O/g visible: Y/(N) Turbid? Y/(N)
Equipment Decontaminated: (D)/W - Tripple rinse, Liquid-Knox

greater than 0.33 ft: (Y)/N

if yes required Pump vol (gal): 1.84.

calculations:

$0.17 + 1.02 + .65 = 1.84$ gal

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Groundwater Sampling Log

Location : Grassy Valley **Date:** 1/16/25

Technician: J. Crawford **Quarter:** II

Static Water Level (DTW): 230.92 **Well ID:** GCMW-24A

Is well Dry? NO **If so Dry at:** — **Well Depth (TD):** 250 **feet**

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
								NO sample
								Not able to Pump - very silty water

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 Oxygen		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 Turbid? ~~Y~~ / N
Equipment Decontaminated: (Y) / N

Decontamination procedure used: used Sounder

Weather: 16 F, Sunny

Signature: [signature]

Volume Calculations:	
For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$	**For 4" Diameter Well (gal):** $V(gal) = 0.6528 * h(ft)$
Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$	
Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$	
Well Volume Purge Method: *Three Well Volumes = 3*V*	
Conversions: $1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	**Show Calculations:** Extreme silt in water not able to sample,

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Groundwater Sampling Log

Location : Grassy valley **Date:** 1/16/25

Technician: J. Crawford **Quarter:** 1

Static Water Level (DTW): 98.76 **Well ID:** GumW-24B

Is well Dry? no **If so Dry at:** _____ **Well Depth (TD):** 100 feet

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

Insufficient

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 Oxygen		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) _____
following stabilization

** See Field Volume Guide*

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

Equipment Decontaminated: Y / N

Decontamination procedure used: n/a

Weather: 16°F Sunny

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:** GumW-24 was insufficient to sample.

Low-Flow Test Report:

Test Date / Time: 1/28/2025 10:43:52 AM
Project: Grassy Valley
Operator Name: J Crawford

Location Name: GVMW-25 **Latitude: 38.74030833601853** **Longitude: -105.11969905356422** **Well Diameter: 4 in** **Total Depth: 79 ft** **Initial Depth to Water: 60.22 ft**	**Estimated Total Volume Pumped: 17 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.09 gal/min** **Final Draw Down: 0.34 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Could not get conductivity to stabilize within the 1 hour and 30 minute test. Everything else stabilized.
triple Rinse Alconox
O/G visible = No / turbid = No

0.1 + 0.45 = 0.55 gal

Weather Conditions:
25 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/28/2025 10:43 AM	00:00	3.89 pH	5.12 °C	7,861.3 µS/cm	1.67 mg/L	373.3 mV	60.22 ft	0.09 gal/min
1/28/2025 10:44 AM	00:39	3.88 pH	5.36 °C	7,905.8 µS/cm	1.05 mg/L	385.4 mV	60.38 ft	0.09 gal/min
1/28/2025 10:49 AM	05:39	3.79 pH	7.56 °C	7,863.1 µS/cm	0.29 mg/L	433.9 mV	60.40 ft	0.09 gal/min
1/28/2025 10:54 AM	10:39	3.74 pH	7.97 °C	7,651.2 µS/cm	0.29 mg/L	465.7 mV	60.43 ft	0.09 gal/min
1/28/2025 10:59 AM	15:39	3.74 pH	7.96 °C	7,213.2 µS/cm	0.37 mg/L	480.6 mV	60.43 ft	0.09 gal/min
1/28/2025 11:04 AM	20:39	3.78 pH	7.95 °C	6,824.9 µS/cm	0.45 mg/L	483.8 mV	60.45 ft	0.09 gal/min
1/28/2025 11:09 AM	25:39	3.78 pH	8.04 °C	6,716.8 µS/cm	0.38 mg/L	486.1 mV	60.45 ft	0.09 gal/min
1/28/2025 11:14 AM	30:39	3.78 pH	8.02 °C	6,491.7 µS/cm	0.30 mg/L	488.8 mV	60.48 ft	0.09 gal/min
1/28/2025 11:19 AM	35:39	3.78 pH	7.93 °C	6,262.3 µS/cm	0.33 mg/L	491.7 mV	60.48 ft	0.09 gal/min
1/28/2025 11:24 AM	40:39	3.80 pH	7.94 °C	6,156.2 µS/cm	0.46 mg/L	492.1 mV	60.49 ft	0.09 gal/min
1/28/2025 11:29 AM	45:39	3.83 pH	7.93 °C	5,928.8 µS/cm	0.73 mg/L	487.6 mV	60.50 ft	0.09 gal/min
1/28/2025 11:34 AM	50:39	3.88 pH	7.81 °C	5,590.5 µS/cm	1.14 mg/L	480.2 mV	60.50 ft	0.09 gal/min
1/28/2025 11:39 AM	55:39	3.89 pH	7.86 °C	5,208.7 µS/cm	1.47 mg/L	476.0 mV	60.51 ft	0.09 gal/min
1/28/2025 11:44 AM	01:00:39	3.91 pH	7.74 °C	4,968.7 µS/cm	1.74 mg/L	473.6 mV	60.53 ft	0.09 gal/min

1/28/2025 11:49 AM	01:05:39	3.92 pH	7.76 °C	4,795.3 µS/cm	1.94 mg/L	469.9 mV	60.56 ft	0.09 gal/min
1/28/2025 11:54 AM	01:10:39	3.92 pH	7.82 °C	4,682.8 µS/cm	1.99 mg/L	464.5 mV	60.56 ft	0.09 gal/min
1/28/2025 11:59 AM	01:15:39	3.91 pH	7.92 °C	4,758.6 µS/cm	1.96 mg/L	459.5 mV	60.56 ft	0.09 gal/min
1/28/2025 12:04 PM	01:20:39	3.90 pH	7.94 °C	4,603.2 µS/cm	2.01 mg/L	457.6 mV	60.56 ft	0.09 gal/min
1/28/2025 12:09 PM	01:25:39	3.88 pH	7.93 °C	4,494.9 µS/cm	2.07 mg/L	458.5 mV	60.56 ft	0.09 gal/min
1/28/2025 12:14 PM	01:30:39	3.86 pH	8.01 °C	4,429.0 µS/cm	2.05 mg/L	460.8 mV	60.56 ft	0.09 gal/min
1/28/2025 12:15 PM	01:32:03	3.85 pH	7.98 °C	4,420.7 µS/cm	2.05 mg/L	461.7 mV	60.56 ft	0.09 gal/min

Total Draw Down = 0.34'

Samples

Sample ID:	Description:
GVMW-25	

Low-Flow Test Report:

Test Date / Time: 1/16/2025 8:29:37 AM
Project: ~~Low-Flow Test 8 (2)~~ Grassy Valley
Operator Name: Treed

Location Name: GVMW-26a **Latitude: 38.73958081867412** **Longitude: -105.11110790884048** **Well Diameter: 4 in** **Total Depth: 70 ft** **Initial Depth to Water: 6.74 ft**	**Estimated Total Volume Pumped:** **2.5 gal** - use 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.05 gal/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809** O/G visible: Y/(N) Turbid? Y/(N) Equipment decontaminated: (Y)/N Tripple rinse, Liquid-Knox

Test Notes: If low-flow met drawdown greater than 0.33 ft? Y/(N)

Weather Conditions:
27 F sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/16/2025 8:29 AM	00:00	7.73 pH	4.97 °C	325.42 µS/cm	1.32 mg/L	201.5 mV	6.74 ft	0.05 gal/min
1/16/2025 8:34 AM	05:00	7.82 pH	4.95 °C	327.43 µS/cm	0.25 mg/L	207.0 mV	6.82 ft	0.05 gal/min
1/16/2025 8:39 AM	10:00	7.86 pH	5.06 °C	326.19 µS/cm	0.15 mg/L	204.4 mV	6.82 ft	0.05 gal/min
1/16/2025 8:44 AM	15:00	7.87 pH	5.00 °C	325.87 µS/cm	0.12 mg/L	199.5 mV	6.82 ft	0.05 gal/min
1/16/2025 8:49 AM	20:00	7.87 pH	5.10 °C	325.45 µS/cm	0.10 mg/L	192.8 mV	6.82 ft	0.05 gal/min
1/16/2025 8:54 AM	25:00	7.87 pH	5.18 °C	324.14 µS/cm	0.08 mg/L	185.4 mV	6.82 ft	0.05 gal/min
1/16/2025 8:59 AM	30:00	7.87 pH	5.28 °C	324.61 µS/cm	0.07 mg/L	178.8 mV	6.82 ft	0.05 gal/min
1/16/2025 9:04 AM	35:00	7.87 pH	5.37 °C	325.82 µS/cm	0.07 mg/L	173.0 mV	6.82 ft	0.05 gal/min
1/16/2025 9:09 AM	40:00	7.86 pH	5.64 °C	324.71 µS/cm	0.06 mg/L	166.1 mV	6.82 ft	0.05 gal/min
1/16/2025 9:14 AM	45:00	7.92 pH	5.69 °C	327.76 µS/cm	0.08 mg/L	140.2 mV	6.82 ft	0.05 gal/min
1/16/2025 9:19 AM	50:00	7.87 pH	5.81 °C	324.37 µS/cm	0.06 mg/L	147.8 mV	6.82 ft	0.05 gal/min

Samples

Sample ID:	Description:

GVMW-26a 1/16/25	

Low-Flow Test Report:

Test Date / Time: 1/16/2025 9:42:22 AM
Project: GVMW-26b 1/16/25 Grassy Valley
Operator Name: Treed

Location Name: GVMW-26b **Latitude: 38.739594408127296** **Longitude: -105.11115194163801** **Well Diameter: 4 in** **Total Depth: 25 ft** **Initial Depth to Water: 6.34 ft**	**Estimated Total Volume Pumped:** **2 gal** - use 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.06 gal/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809** O/G visible: Y/(N) Turbid? Y/(N) Equipment decontaminated: (Y)/N Triple rinse, Liquid-Ionox

Test Notes: If low-flow met drawdown greater than 0.33 ft Y/(N)

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/16/2025 9:42 AM	00:00	6.73 pH	5.53 °C	129.73 µS/cm	7.42 mg/L	222.4 mV	6.34 ft	0.06 gal/min
1/16/2025 9:47 AM	05:00	6.49 pH	6.49 °C	130.28 µS/cm	6.87 mg/L	223.1 mV	6.40 ft	0.06 gal/min
1/16/2025 9:52 AM	10:00	6.45 pH	6.77 °C	129.23 µS/cm	6.83 mg/L	221.5 mV	6.40 ft	0.06 gal/min
1/16/2025 9:57 AM	15:00	6.38 pH	6.55 °C	130.36 µS/cm	6.78 mg/L	225.6 mV	6.40 ft	0.06 gal/min
1/16/2025 10:02 AM	20:00	6.40 pH	6.57 °C	130.50 µS/cm	6.72 mg/L	227.5 mV	6.40 ft	0.06 gal/min
1/16/2025 10:07 AM	25:00	6.36 pH	6.53 °C	129.57 µS/cm	6.81 mg/L	231.8 mV	6.40 ft	0.06 gal/min

Samples

Sample ID:	Description:
GVMW-26b	

Low-Flow Test Report:

Test Date / Time: 1/28/2025 12:42:22 PM
Project: Grassy Valley
Operator Name: J Cranford

Location Name: GVMW-27 **Latitude: 38.7411712436078** **Longitude: -105.12171885022599** **Well Diameter: 4 in** **Total Depth: 74.28 ft** **Initial Depth to Water: 59.79 ft**	**Estimated Total Volume Pumped: 11.5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.11 gal/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket
triple Rinse liquid Knox total drawdown less then 0.33'
O/G=no turbid = NO

Weather Conditions:
38 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/28/2025 12:42 PM	00:00	4.24 pH	6.98 °C	3,975.7 µS/cm	0.23 mg/L	289.9 mV	59.79 ft	0.11 gal/min
1/28/2025 12:43 PM	00:39	4.24 pH	7.17 °C	3,945.6 µS/cm	0.20 mg/L	292.8 mV	59.86 ft	0.11 gal/min
1/28/2025 12:48 PM	05:39	4.21 pH	8.38 °C	3,754.5 µS/cm	0.17 mg/L	319.9 mV	59.87 ft	0.11 gal/min
1/28/2025 12:53 PM	10:39	4.23 pH	8.19 °C	3,540.9 µS/cm	0.23 mg/L	343.0 mV	59.87 ft	0.11 gal/min
1/28/2025 12:58 PM	15:39	4.23 pH	8.37 °C	3,416.0 µS/cm	0.25 mg/L	360.1 mV	59.88 ft	0.11 gal/min
1/28/2025 1:03 PM	20:39	4.24 pH	8.41 °C	3,331.7 µS/cm	0.27 mg/L	371.9 mV	59.91 ft	0.11 gal/min
1/28/2025 1:08 PM	25:39	4.25 pH	8.45 °C	3,259.9 µS/cm	0.29 mg/L	380.3 mV	59.93 ft	0.11 gal/min
1/28/2025 1:13 PM	30:39	4.25 pH	8.45 °C	3,228.7 µS/cm	0.29 mg/L	386.3 mV	59.93 ft	0.11 gal/min
1/28/2025 1:18 PM	35:39	4.25 pH	8.48 °C	3,193.6 µS/cm	0.30 mg/L	390.7 mV	59.94 ft	0.11 gal/min
1/28/2025 1:23 PM	40:39	4.25 pH	8.50 °C	3,157.1 µS/cm	0.30 mg/L	393.3 mV	59.94 ft	0.11 gal/min

total Drawdown 0.15

Samples

Sample ID:	Description:
GVMW-27	

Low-Flow Test Report:

Test Date / Time: 1/28/2025 8:56:05 AM
Project: Grassy Valley
Operator Name: J crawford.

Location Name: GVMW-28 **Latitude: 38.74231753901533** **Longitude: -105.12298204072177** **Well Diameter: 4 in** **Total Depth: 71.56 ft** **Initial Depth to Water: 36.71 ft**	**Estimated Total Volume Pumped: 2.5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.11 gal/min** **Final Draw Down: 0.94 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon buckets
triple Rinse Alc Knox
O/B visible = No/turbid = ~~No~~ Slightly
0.6 + 0.40 = = 1.00 gal
Weather Conditions:
20 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/28/2025 8:56 AM	00:00	3.12 pH	4.47 °C	10,517 µS/cm	3.47 mg/L	486.0 mV	36.71 ft	0.11 gal/min
1/28/2025 9:01 AM	05:00	3.07 pH	4.93 °C	10,640 µS/cm	2.40 mg/L	506.8 mV	37.49 ft	0.11 gal/min
1/28/2025 9:06 AM	10:00	3.04 pH	5.24 °C	10,653 µS/cm	2.38 mg/L	506.5 mV	37.58 ft	0.11 gal/min
1/28/2025 9:11 AM	15:00	3.03 pH	5.20 °C	10,649 µS/cm	2.39 mg/L	506.1 mV	37.65 ft	0.11 gal/min
1/28/2025 9:16 AM	20:00	3.03 pH	5.25 °C	10,613 µS/cm	2.31 mg/L	507.2 mV	37.65 ft	0.11 gal/min

total Drawdown
0.94'

Samples

Sample ID:	Description:
GVMW-28	

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley **Date:** 1/21/25

Technician: J. Cranford **Quarter:** 1

Static Water Level (DTW): ~~—~~ **Well ID:** GVMW-29

Is well Dry? Yes **If so Dry at:** 38.38 **Well Depth (TD):** 38.38 **feet**

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

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 Oxyge		~~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~~ Turbid? ~~Y / N~~
Equipment Decontaminated: ~~Y / N~~

Decontamination procedure used: N/A

Weather: 34°F, Sunny

Signature: [signature]

Volume Calculations:

For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$ **For 4" Diameter Well (gal):** $V(gal) = 0.6528 * h(ft)$

Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$

Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$

Well Volume Purge Method: *Three Well Volumes = 3*V*

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

Show Calculations:
GVMW-29 is Dry

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley **Date:** 1/21/25

Technician: J. Cranford **Quarter:** 1

Static Water Level (DTW): 50.97 **Well ID:** GVmw-30

Is well Dry? no **If so Dry at:** — **Well Depth (TD):** 51.29 **feet**

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

Insufficient

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~~ Turbid? ~~Y / N~~
Equipment Decontaminated: (Y) / N

Decontamination procedure used: used sounder

Weather: 30° F, Sunny

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:** GVmw-30 is insufficient to Pump.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Date: 1/21/25
Technician: J. Crawford
Quarter: 1
Static Water Level (DTW): ———
Well ID: GVMW-31
Is well Dry? Yes
If so Dry at: 61.82 feet
Well Depth (TD): 61.82

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

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 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~~ If yes, required pump vol (gal): ——— Actual vol. pumped (gal) ———
** See Field Volume Guide* following stabilization

O/G visible: ~~Y / N~~ Turbid? ~~Y / N~~
Equipment Decontaminated: ~~Y / N~~
Decontamination procedure used: N/a

Weather: 34° F, Sunny
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:** GVMW-31 is Dry.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley **Date:** 1/21/25

Technician: J. Crawford **Quarter:** 1

Static Water Level (DTW): 67.1 **Well ID:** Gumm-32

Is well Dry? no **If so Dry at:** — **Well Depth (TD):** 67.32 **feet**

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

Sample Method: — **Rate (gpm):** — **Time Start:** — **Time End:** —

** Flow rate at stabilization (during sample collection)*

Final Parameter	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) —
** See Field Volume Guide* following stabilization

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

Decontamination procedure used: used Sounder

Weather: 34° F, Sunny

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:** 1/21/25 - 1/22/25

Technician: J. Crawford **Quarter:** 1

Static Water Level (DTW): 65.81 **Well ID:** GVMW-33

Is well Dry? NO **If so Dry at:** — **Well Depth (TD):** 85.70 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1:10			3.44	5530	5.3	±	165	
1:13	34.49							
12:10	65.85		3.67	5915	1.0	—	387	

Sample Method: ~~Grab~~ Purge + return **Rate (gpm):** — **Time Start:** 1/21/25 1:10 **Time End:** 1/22/25 12:10

** 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) Turbid? Y / (N)
Equipment Decontaminated: (Y) / N

Decontamination procedure used: Tripple rinse, Liquid - Knox

Weather: 34° F, Sunny

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: 1/21/25 - 1/22/25
Technician: J. Crawford
Quarter: 1
Static Water Level (DTW): 61.93
Well ID: GVMW-34
Is well Dry? no
If so Dry at: —
Well Depth (TD): 84.62 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1:20			5.77	3869	4.9		333	
1:24	76.23							
12:30	62.03		5.70	4010	3.3		354	

Sample Method: Purge & return **Rate (gpm):** — **Time Start:** 1/21/25 1:20 **Time End:** 1/22/25 12:36
** 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 Oxygen		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)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Tripple rinse, Liquid - Knox

Weather: 34°F, Sunny
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. Crawford
Static Water Level (DTW): 33.90
Date: 1/28/25 - 1/29/25
Quarter: 1
Well ID: GVMW-35B
Is well Dry? no
If so Dry at: —
Well Depth (TD): 72.90 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:44			10.31	2174	4.2	—	231	
9:54	71.15							
			SJC					
9:32	34.00		8.04	2211	2.4	—	279	

Sample Method: Purge & return
Rate (gpm): —
** Flow rate at stabilization (during sample collection)*
Time Start: 1/28/25 9:54 **Time End:** 1/29/25 9:32

Final Parameter	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 - slightly
Decontamination procedure used: Triple rinse, Liquid Ionox

Weather: 73° F, Sunny
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. Crawford
Static Water Level (DTW): 29.18
Date: 1/28/25 - 1/29/25
Quarter: 1
Well ID: GVMW-36
Well Depth (TD): 37.97 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
10:19			3.58	8775	5.5	—	496	
10:24	34.21							
9:55	30.73		3.22	8550	5.6		494	

Sample Method: Purge & return
Rate (gpm): —
** Flow rate at stabilization (during sample collection)*
Time Start: 1/28/25 10:19
Time End: 1/29/25 9:55

Final Parameters	Stabilization Guidance		Met?	Comments
pH		±0.1	Y / N	
Conductivity		3%	Y / N	
Temp (deg C)		3%	Y / N	
Dissolved Oxygen		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): — following stabilization
** See Field Volume Guide*
Actual vol. pumped (gal)

O/G visible: Y / (N)
Equipment Decontaminated: (Y) / N
Turbid? Y / (N)
Decontamination procedure used: Trippie rinse, Liquid-Knox

Weather: 23° F, Sunny
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:

Low-Flow Test Report:

Test Date / Time: 1/14/2025 9:58:12 AM
Project: Grassy Valley
Operator Name: J. Cranford

Location Name: GVMW-37A **Latitude: 38.74014619512859** **Longitude: -105.118074010699** **Well Diameter: 4 in** **Total Depth: 201.2 ft** **Initial Depth to Water: 40.95 ft**	**Estimated Total Volume Pumped:** **12 gal** - use 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.2 gal/min** **Final Draw Down: 1.09 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809** O/G visible: Y/(N) Turbid? Y/(N) Equipment decontaminated: (Y)/N Triple rinse, Liquid-Knox

Test Notes: If low-flow met drawdown greater than 0.33 ft? (Y)/N
If Yes, required Pump Vol (gal): 2.8

Weather Conditions:
7 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/14/2025 9:58 AM	00:00	8.90 pH	5.49 °C	586.63 µS/cm	0.08 mg/L	223.2 mV	40.95 ft	0.20 gal/min
1/14/2025 10:03 AM	05:00	8.92 pH	5.64 °C	577.31 µS/cm	0.02 mg/L	215.9 mV	41.89 ft	0.20 gal/min
1/14/2025 10:08 AM	10:00	8.93 pH	5.41 °C	571.28 µS/cm	0.00 mg/L	209.6 mV	42.00 ft	0.20 gal/min
1/14/2025 10:13 AM	15:00	8.93 pH	5.65 °C	576.84 µS/cm	0.00 mg/L	203.0 mV	42.04 ft	0.20 gal/min
1/14/2025 10:18 AM	20:00	8.93 pH	5.69 °C	574.13 µS/cm	0.00 mg/L	196.6 mV	42.04 ft	0.20 gal/min
1/14/2025 10:23 AM	25:00	8.91 pH	5.56 °C	575.00 µS/cm	0.00 mg/L	189.1 mV	42.04 ft	0.20 gal/min
1/14/2025 10:28 AM	30:00	8.79 pH	5.81 °C	572.84 µS/cm	0.00 mg/L	183.8 mV	42.04 ft	0.20 gal/min
1/14/2025 10:33 AM	35:00	8.83 pH	5.74 °C	572.94 µS/cm	0.00 mg/L	177.7 mV	42.04 ft	0.20 gal/min
1/14/2025 10:38 AM	40:00	8.79 pH	5.73 °C	570.70 µS/cm	0.00 mg/L	174.0 mV	42.04 ft	0.20 gal/min

Samples

Sample ID:	Description:
Gvmw37a 1/14/25	

Calculations: 1.02 + 1.14 + 0.65 = 2.81

Low-Flow Test Report:

Test Date / Time: 1/14/2025 8:39:38 AM
Project: ~~Low-Flow Test 5 (2)~~ & Grass Valley
Operator Name: Treed

Location Name: GVMW-37b **Latitude: 38.740193758529074** **Longitude: -105.11780156728786** **Well Diameter: 4 in** **Total Depth: 47.89 ft** **Initial Depth to Water: 39.88 ft**	**Pump Type: Geosub** **Estimated Total Volume Pumped:** **9.5 gal** - use 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.2 gal/min** **Final Draw Down: 1.32 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809** O/G visible: Y/(N) Turbid? : Y/(N) Equipment decontaminated: (Y)/N tripple rinse, liquid-Ionox

Test Notes:
Use 5 gal bucket
If low-flow met drawdown greater than 0.33 ft? (Y)/N
If yes, required Pump Vol(gal): 2.41

Weather Conditions:
7 °F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/14/2025 8:39 AM	00:00	7.45 pH	4.78 °C	483.12 µS/cm	2.98 mg/L	242.6 mV	39.88 ft	0.20 gal/min
1/14/2025 8:44 AM	05:00	7.59 pH	5.82 °C	467.17 µS/cm	2.12 mg/L	244.8 mV	40.41 ft	0.20 gal/min
1/14/2025 8:49 AM	09:34	7.62 pH	5.83 °C	461.55 µS/cm	2.19 mg/L	247.7 mV	41.02 ft	0.20 gal/min
1/14/2025 8:54 AM	14:34	7.65 pH	5.78 °C	464.31 µS/cm	2.31 mg/L	248.5 mV	41.20 ft	0.20 gal/min
1/14/2025 8:59 AM	19:34	7.68 pH	5.59 °C	471.19 µS/cm	2.17 mg/L	242.6 mV	41.20 ft	0.20 gal/min
1/14/2025 9:04 AM	24:34	7.71 pH	5.62 °C	466.78 µS/cm	1.97 mg/L	226.1 mV	41.20 ft	0.20 gal/min
1/14/2025 9:09 AM	29:34	7.71 pH	5.79 °C	467.53 µS/cm	1.96 mg/L	216.2 mV	41.20 ft	0.20 gal/min
1/14/2025 9:14 AM	34:34	7.74 pH	5.61 °C	470.65 µS/cm	1.94 mg/L	205.3 mV	41.20 ft	0.20 gal/min
1/14/2025 9:19 AM	39:34	7.73 pH	5.66 °C	465.16 µS/cm	2.06 mg/L	201.1 mV	41.20 ft	0.20 gal/min
1/14/2025 9:24 AM	44:34	7.75 pH	5.63 °C	466.83 µS/cm	1.97 mg/L	202.9 mV	41.20 ft	0.20 gal/min

Samples

Sample ID:	Description:
Gvmw37b 1/14/25	

Calculations: $1.32 + 0.79 + 0.8 = 2.91$

Low-Flow Test Report:

Test Date / Time: 1/13/2025 10:28:32 AM
Project: Grassy Valley
Operator Name: J. Crawford JC

Location Name: ~~Device Location~~ GVMW-7B/GVMW-107G JC
Initial Depth to Water: 28.34 ft
well diameter: 4 in
total depth: 50 ft

Estimated Total Volume Pumped:
10 gal - use 5 gal bucket
Flow Cell Volume: 130 ml
Final Flow Rate: 0.14 gal/min
Final Draw Down: 0.69 ft

Instrument Used: Aqua TROLL 600
Serial Number: 1109809
OG visible? Y/(N)
Turbid? Y/(N)
Equipment decontaminated: (Y)/N
Triple rinse, liquid-Alnox

Test Notes: If low-flow met drawdown greater than 0.33 ft? (Y)/N
If ~~yes~~, required Pump vol (gal): 1.47

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/13/2025 10:28 AM	00:00	6.77 pH	6.07 °C	841.22 µS/cm	9.03 mg/L	257.3 mV	28.34 ft	
1/13/2025 10:33 AM	05:00	6.74 pH	6.18 °C	659.61 µS/cm	8.50 mg/L	265.4 mV	29.03 ft	
1/13/2025 10:34 AM	06:05	6.71 pH	6.20 °C	628.33 µS/cm	8.39 mg/L	266.3 mV	29.03 ft	0.14 gal/min
1/13/2025 10:39 AM	11:05	6.58 pH	6.08 °C	526.81 µS/cm	7.80 mg/L	267.1 mV	29.03 ft	0.14 gal/min
1/13/2025 10:44 AM	16:05	6.47 pH	6.22 °C	425.20 µS/cm	7.28 mg/L	263.9 mV	29.03 ft	0.14 gal/min
1/13/2025 10:49 AM	21:05	6.46 pH	6.37 °C	414.47 µS/cm	7.22 mg/L	261.7 mV	29.03 ft	0.14 gal/min
1/13/2025 10:54 AM	26:05	6.45 pH	6.18 °C	410.44 µS/cm	7.21 mg/L	261.0 mV	29.03 ft	0.14 gal/min
1/13/2025 10:59 AM	31:05	6.44 pH	6.27 °C	405.54 µS/cm	7.18 mg/L	261.1 mV	29.03 ft	0.14 gal/min
1/13/2025 11:04 AM	36:05	6.43 pH	6.36 °C	390.31 µS/cm	7.17 mg/L	261.0 mV	29.03 ft	0.14 gal/min
1/13/2025 11:09 AM	41:05	6.42 pH	6.37 °C	381.66 µS/cm	7.14 mg/L	260.9 mV	29.03 ft	0.14 gal/min
1/13/2025 11:14 AM	46:05	6.42 pH	6.37 °C	367.01 µS/cm	7.10 mg/L	260.8 mV	29.03 ft	0.14 gal/min
1/13/2025 11:19 AM	51:05	6.41 pH	6.44 °C	359.10 µS/cm	7.11 mg/L	260.5 mV	29.03 ft	0.14 gal/min
1/13/2025 11:24 AM	56:05	6.40 pH	6.48 °C	360.03 µS/cm	7.11 mg/L	260.3 mV	29.03 ft	0.14 gal/min

Samples

Sample ID:	Description:
GVMW-7B	

GVMW-107G	Duplicate

Calculations: 0.69 + 0.29 + 0.5 = 1.47

Low-Flow Test Report:

Test Date / Time: 1/14/2025 8:39:38 AM
Project: ~~Low-Flow Test 5 (2)~~ & Grass Valley
Operator Name: Treed

Location Name: GVMW-37b **Latitude: 38.740193758529074** **Longitude: -105.11780156728786** **Well Diameter: 4 in** **Total Depth: 47.89 ft** **Initial Depth to Water: 39.88 ft**	**Pump Type: Geosub** **Estimated Total Volume Pumped:** **9.5 gal** - use 5 gal bucket **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.2 gal/min** **Final Draw Down: 1.32 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809** O/G visible: Y/(N) Turbid? : Y/(N) Equipment decontaminated: (Y)/N tripple rinse, liquid-Ionox

Test Notes:
Use 5 gal bucket
If low-flow met drawdown greater than 0.33 ft? (Y)/N
If yes, required Pump Vol(gal): 2.41

Weather Conditions:
7 °F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/14/2025 8:39 AM	00:00	7.45 pH	4.78 °C	483.12 µS/cm	2.98 mg/L	242.6 mV	39.88 ft	0.20 gal/min
1/14/2025 8:44 AM	05:00	7.59 pH	5.82 °C	467.17 µS/cm	2.12 mg/L	244.8 mV	40.41 ft	0.20 gal/min
1/14/2025 8:49 AM	09:34	7.62 pH	5.83 °C	461.55 µS/cm	2.19 mg/L	247.7 mV	41.02 ft	0.20 gal/min
1/14/2025 8:54 AM	14:34	7.65 pH	5.78 °C	464.31 µS/cm	2.31 mg/L	248.5 mV	41.20 ft	0.20 gal/min
1/14/2025 8:59 AM	19:34	7.68 pH	5.59 °C	471.19 µS/cm	2.17 mg/L	242.6 mV	41.20 ft	0.20 gal/min
1/14/2025 9:04 AM	24:34	7.71 pH	5.62 °C	466.78 µS/cm	1.97 mg/L	226.1 mV	41.20 ft	0.20 gal/min
1/14/2025 9:09 AM	29:34	7.71 pH	5.79 °C	467.53 µS/cm	1.96 mg/L	216.2 mV	41.20 ft	0.20 gal/min
1/14/2025 9:14 AM	34:34	7.74 pH	5.61 °C	470.65 µS/cm	1.94 mg/L	205.3 mV	41.20 ft	0.20 gal/min
1/14/2025 9:19 AM	39:34	7.73 pH	5.66 °C	465.16 µS/cm	2.06 mg/L	201.1 mV	41.20 ft	0.20 gal/min
1/14/2025 9:24 AM	44:34	7.75 pH	5.63 °C	466.83 µS/cm	1.97 mg/L	202.9 mV	41.20 ft	0.20 gal/min

Samples

Sample ID:	Description:
Gvmw37b 1/14/25	

Calculations: $1.32 + 0.79 + 0.8 = 2.91$

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley. **Date:** 1/7/25

Technician: S. Crawford **Quarter:** 1

Static Water Level (DTW): ~~~~ **Well ID:** OSABH-12

Is well Dry? Yes **If so Dry at:** 39 **Well Depth (TD):** 39 **feet**

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

Dry

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~~ Turbid? ~~Y / N~~
Equipment Decontaminated: ~~Y / N~~

Decontamination procedure used: N/a

Weather: 16° F, Snowing

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:** OSABH-12 is Dry

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley **Date:** 1/13/25

Technician: J. Crawford **Quarter:** 1

Static Water Level (DTW): ~~—~~ **Well ID:** OSABH1-14

Is well Dry? Yes **If so Dry at:** 29 **Well Depth (TD):** 29 **feet**

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

DRY

Sample Method: ~~—~~ **Rate (gpm):** ~~—~~ **Time Start:** ~~—~~ **Time End:** ~~—~~

** Flow rate at stabilization (during sample collection)*

Final Parameter	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~~ Turbid? Y / N
Equipment Decontaminated: ~~Y / N~~

Decontamination procedure used: N/a

Weather: 15° F, Sunny

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:** OSABH1-14 is Dry

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley **Date:** 1/27/25

Technician: J. Crawford **Quarter:** 1

Static Water Level (DTW): 38.62 **Well ID:** OSTBH-16

Well Depth (TD): 46.5

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

Insufficient

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 Oxygen		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 Turbid? Y / N

Equipment Decontaminated: (Y) N

Decontamination procedure used: used sounder

Weather: 33°F, Sunny

Signature: [signature]

Volume Calculations:

For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$ **For 4" Diameter Well (gal):** $V(gal) = 0.6528 * h(ft)$

Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$

Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$

Well Volume Purge Method: *Three Well Volumes = 3*V*

Conversions:

$1ft^3 = 7.48\ gal$

$1gal = 3.785\ L$

Show Calculations:

OSTBH-16 is insufficient to Pump.

Low-Flow Test Report:

Test Date / Time: 1/27/2025 11:23:02 AM
Project: Grassy Valley
Operator Name: T Reed

Location Name: OSABH-17 **Latitude: 38.748413608105785** **Longitude: -105.13263260505248** **Well Diameter: 2 in** **Total Depth: 30.36 ft** **Initial Depth to Water: 15.61 ft**	**Estimated Total Volume Pumped: 2 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.04 gal/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket
triple Rinse with Knife
turbid = No O/G visible = No
Weather Conditions:
27 F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10	+/- 0.33	
1/27/2025 11:23 AM	00:00	3.02 pH	3.99 °C	21,444 µS/cm	0.80 mg/L	495.9 mV	15.61 ft	0.04 gal/min
1/27/2025 11:28 AM	05:00	3.02 pH	4.21 °C	21,498 µS/cm	0.18 mg/L	505.4 mV	15.67 ft	0.04 gal/min
1/27/2025 11:33 AM	10:00	3.02 pH	4.28 °C	21,478 µS/cm	0.17 mg/L	507.9 mV	15.68 ft	0.04 gal/min
1/27/2025 11:38 AM	15:00	3.01 pH	5.73 °C	21,404 µS/cm	0.13 mg/L	510.8 mV	15.69 ft	0.04 gal/min
1/27/2025 11:43 AM	20:00	3.01 pH	6.41 °C	21,189 µS/cm	0.10 mg/L	526.4 mV	15.69 ft	0.04 gal/min
1/27/2025 11:48 AM	25:00	3.01 pH	6.40 °C	21,238 µS/cm	0.09 mg/L	531.6 mV	15.71 ft	0.04 gal/min
1/27/2025 11:53 AM	30:00	3.00 pH	6.46 °C	21,296 µS/cm	0.08 mg/L	534.1 mV	15.71 ft	0.04 gal/min

total Drawdown
0.10

Samples

Sample ID:	Description:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: J. Crawford
Static Water Level (DTW):
Is well Dry? Yes **If so Dry at:** 52 feet

Date: 1/27/25
Quarter: 1
Well ID: OSABH-18
Well Depth (TD): 52

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

DRY

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 Oxygen		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) following stabilization
* See Field Volume Guide

O/G visible: ~~Y / N~~ Turbid? ~~Y / N~~
Equipment Decontaminated: ~~Y / N~~
Decontamination procedure used: N/A

Weather: 33°F, Sunny
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:
OSABH-18 is Dry.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: RB-0113 **Date:** 1/13/25

Technician: T. Reed **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
2:36	5.16	17.30	11.28	242.9	—

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 26° F, Partly Cloudy

Signature:

Comments / Notes:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: Seep-1 **Date:** 1/13/25

Technician: J. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
9:05	—	Frozen	—	—

Sample Method: —

Oil/Gas visible ~~[Y / N]~~

Turbid ~~[Y / N]~~

Clear ~~[Y / N]~~

Weather: 17°F, Sunny

Signature:

Comments / Notes:

Seep-1 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co
Surface Water Sampling Log

Location: Seep-2 **Date:** 1/13/25

Technician: J. Crawford **Quarter:** 1

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
9:08		Frozen		

Sample Method:

Oil/Gas visible [Y / N]

Turbid ~~[Y / N]~~

Clear [Y / N]

Weather: 17°F, Sunny

Signature:

Comments / Notes:

Seep-2 is frozen

** Field Parameters (pH, Conductivity, Temperature, and ORP) must be analyzed within 15 minutes of sample collection.*

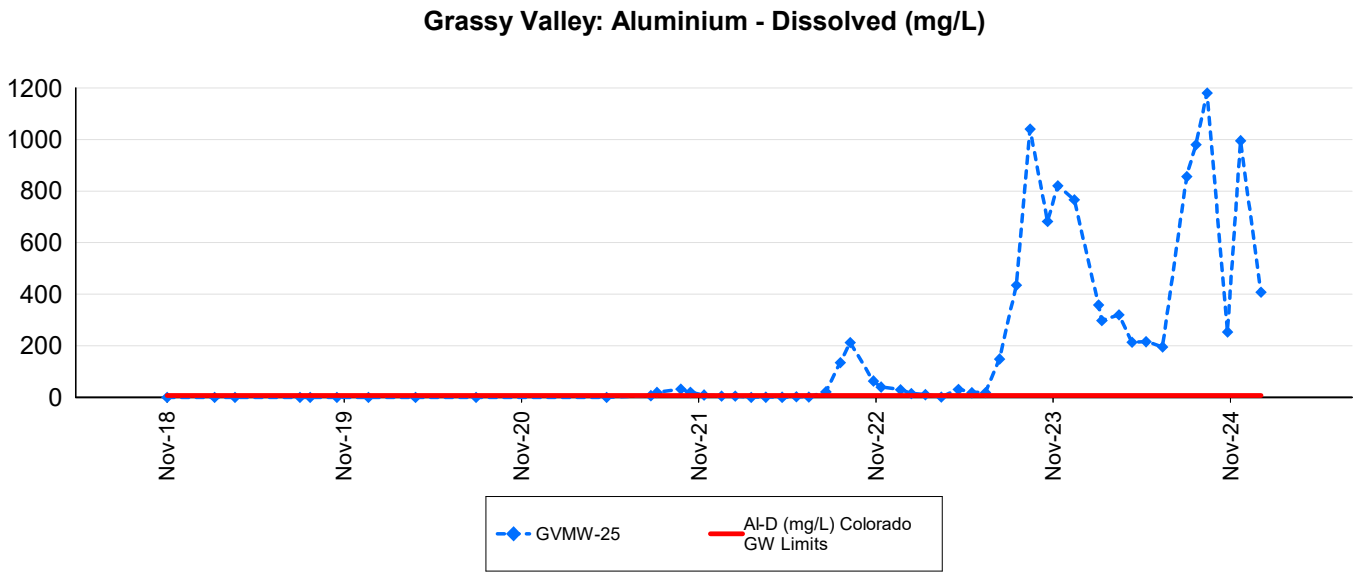
Newmont
NORTH AMERICA

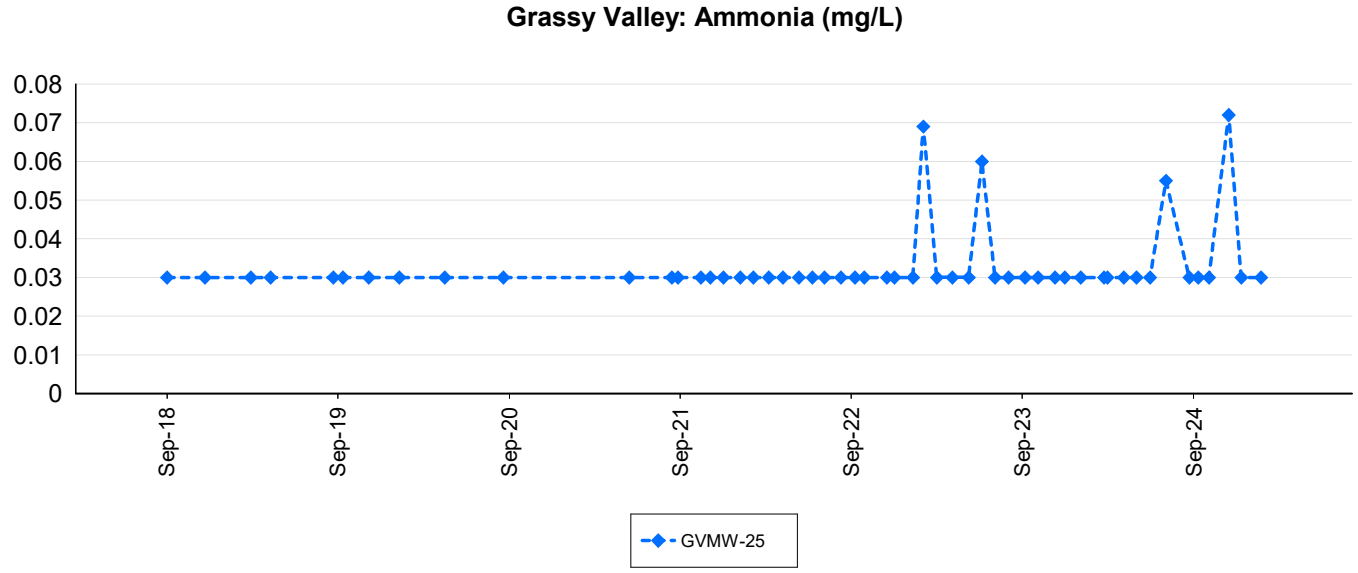
Cripple Creek & Victor
Gold Mining Company
P.O. Box 191
100 North 3rd Street
Victor, Colorado 80860

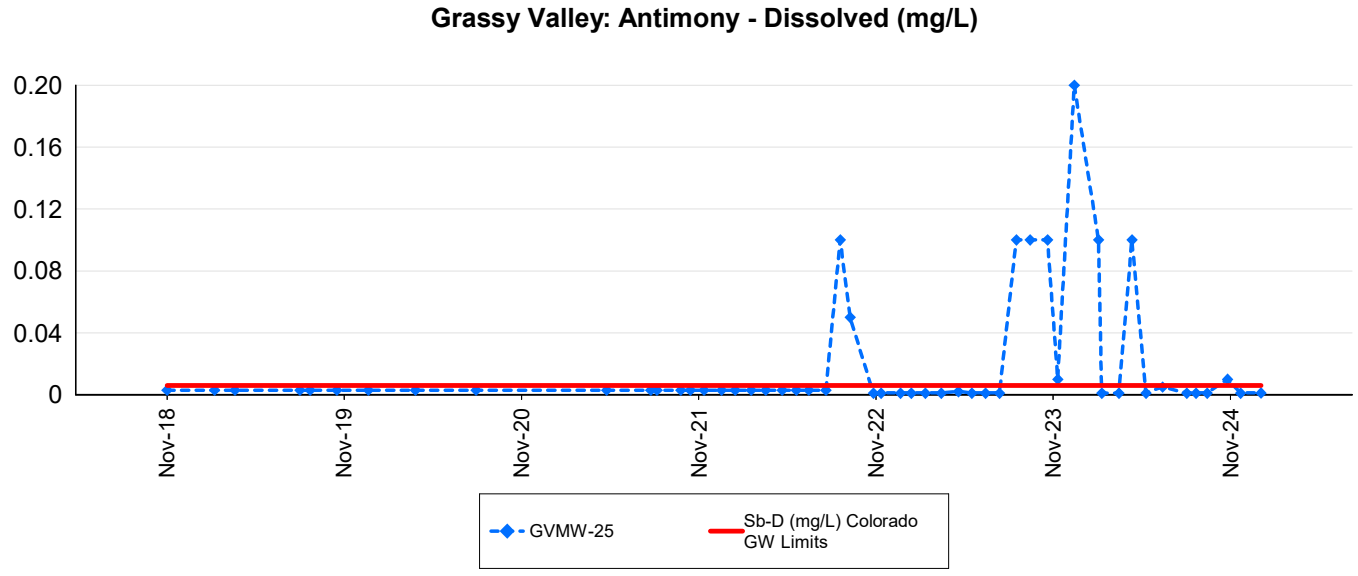
P 719.689.2977
F 719.689.3254
newmont.com

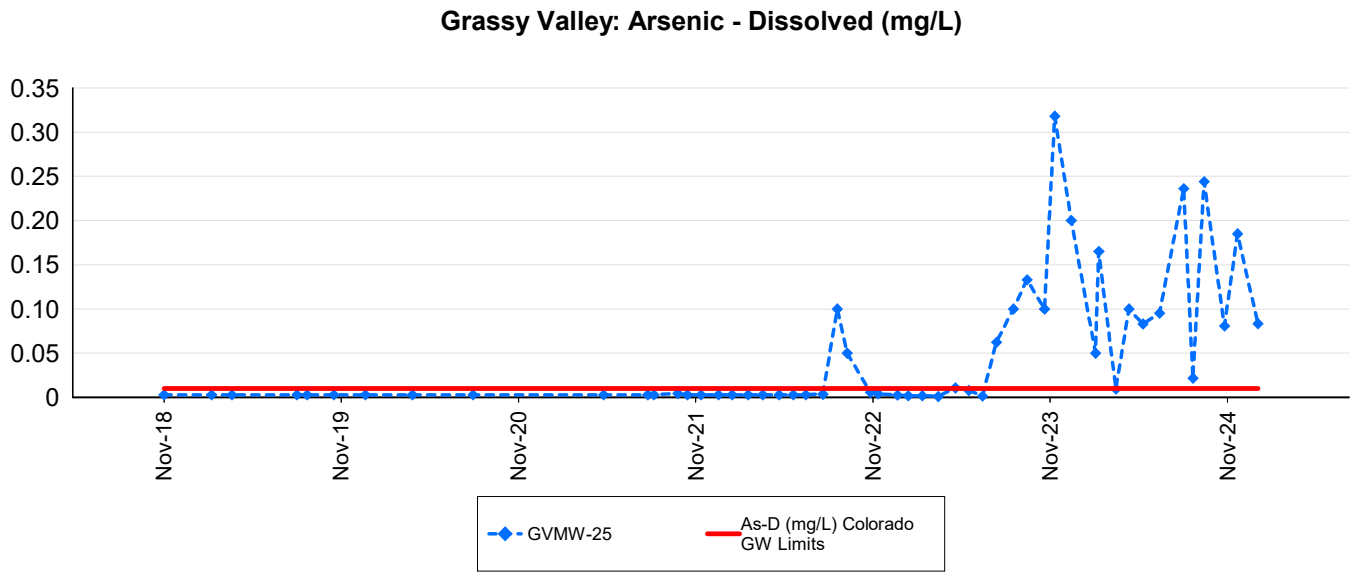
Attachment 3

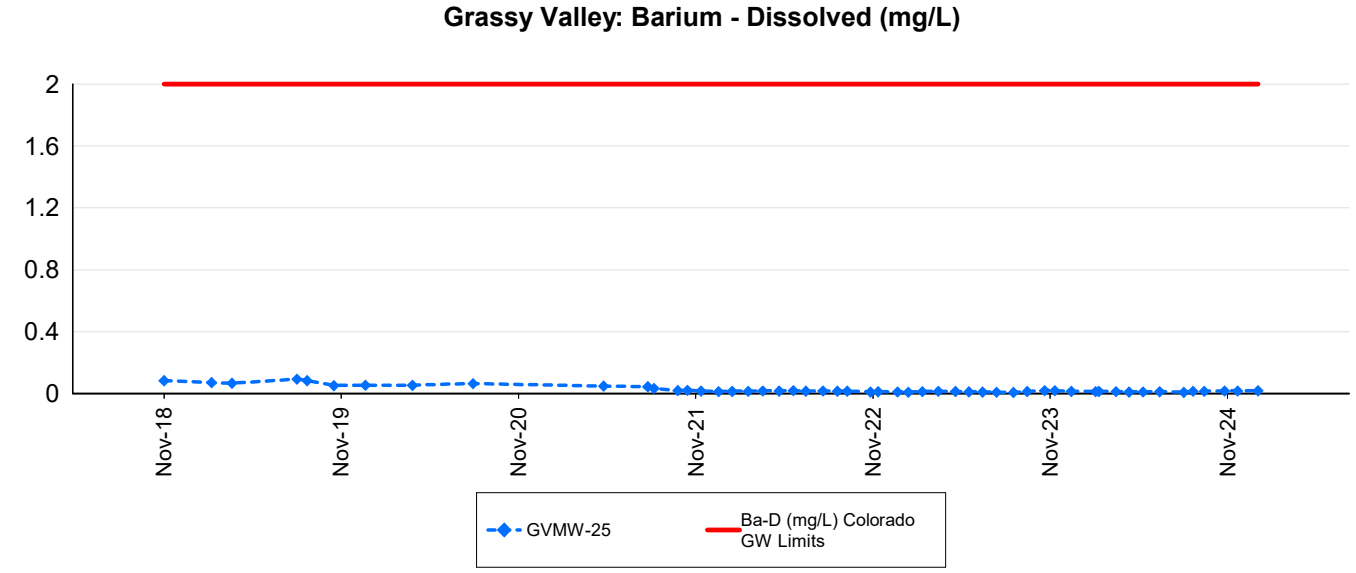
GVMW-25 Historical Graphs

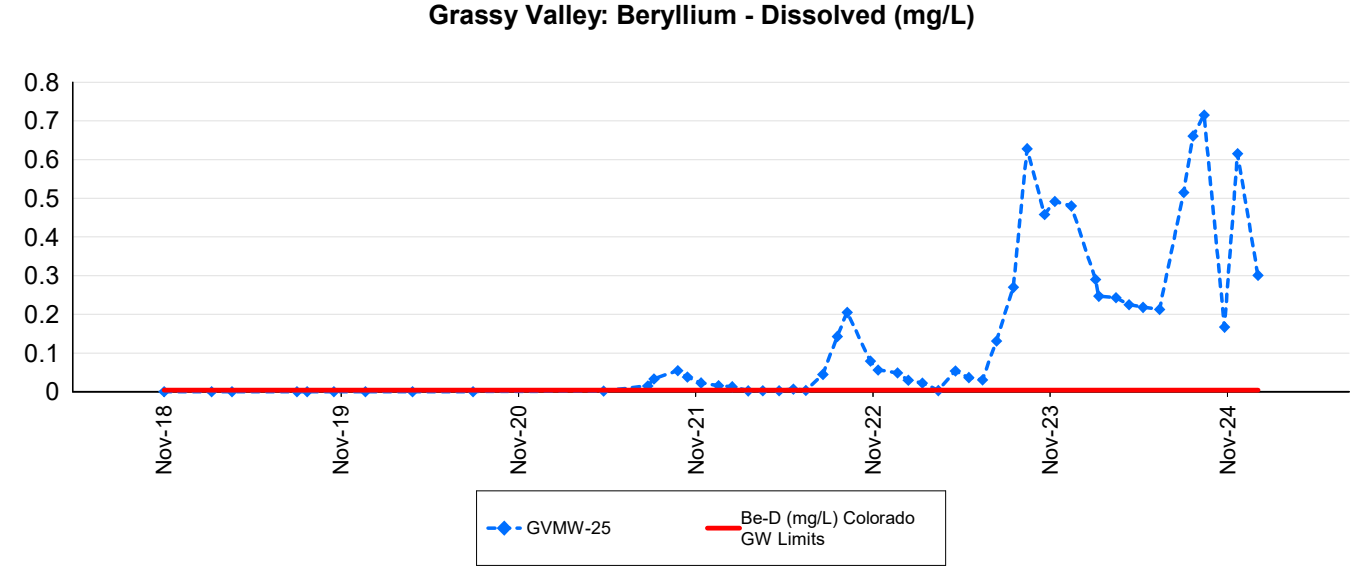




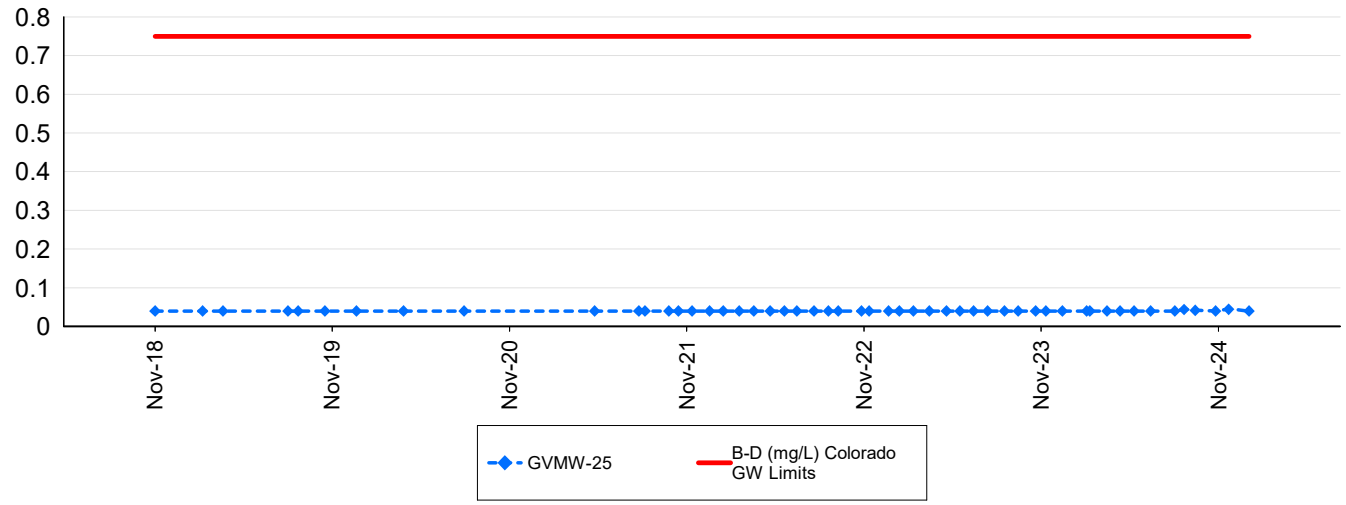




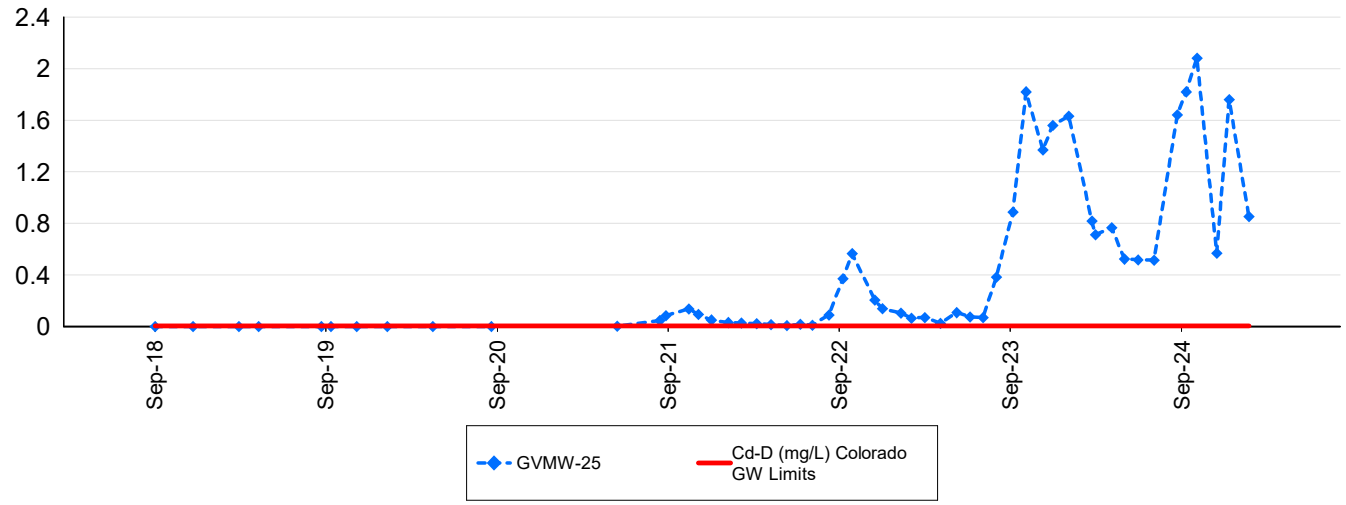




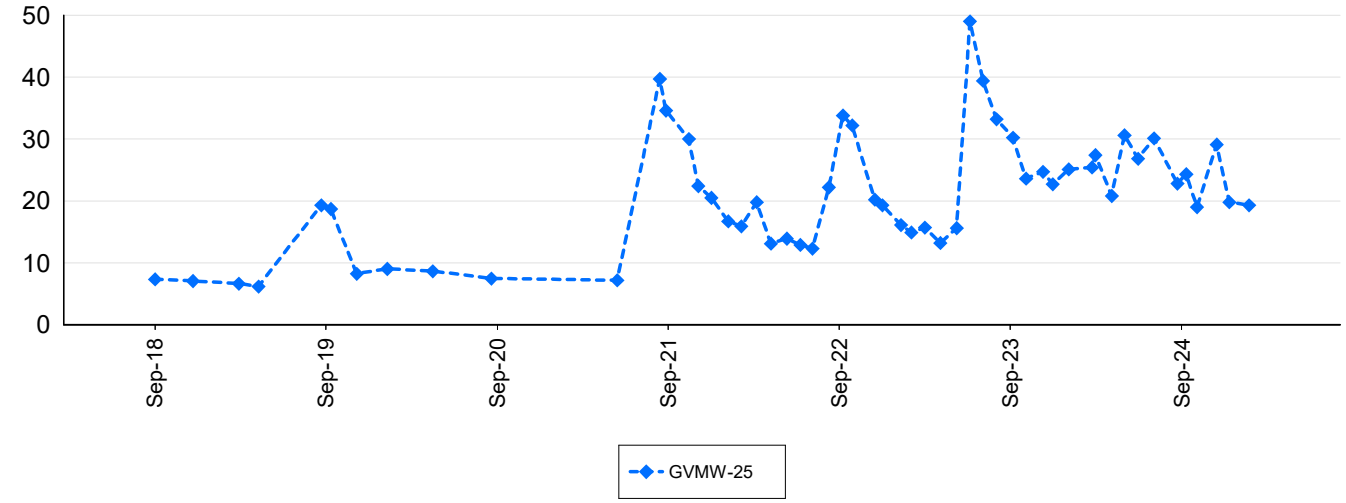
Grassy Valley: Boron - Dissolved (mg/L)



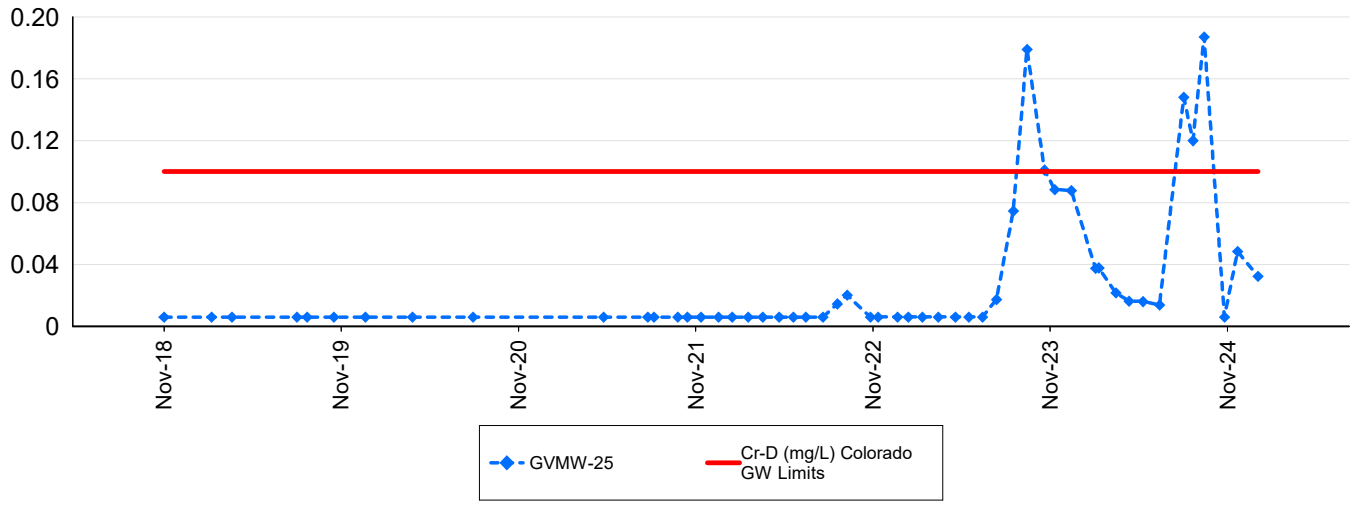
Grassy Valley: Cadmium - Dissolved (mg/L)



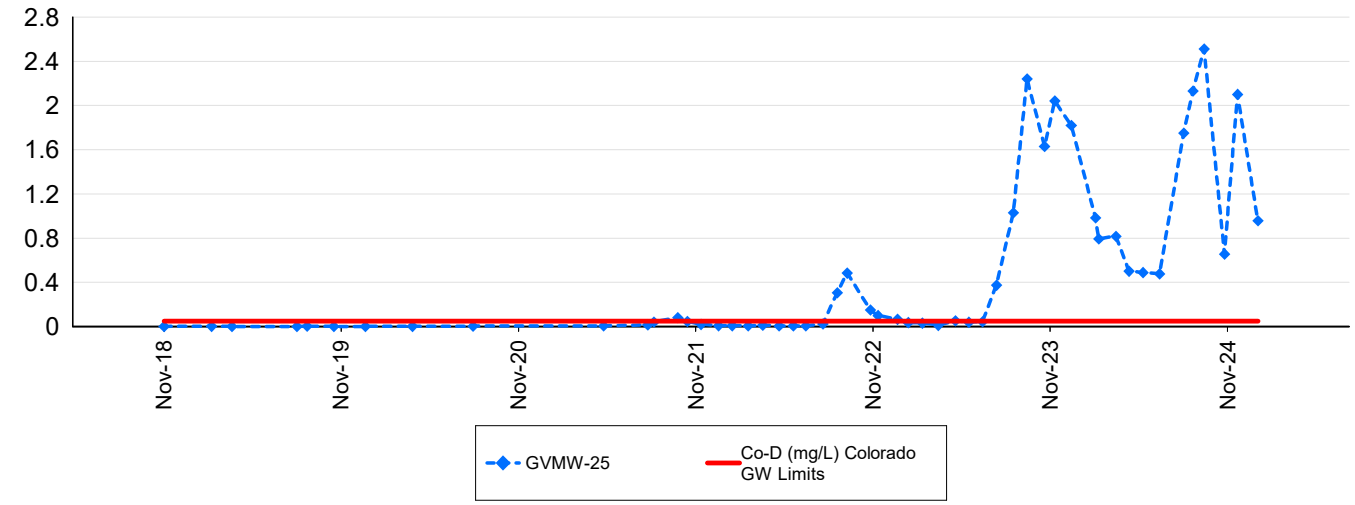
Grassy Valley: Chloride - Total (mg/L)



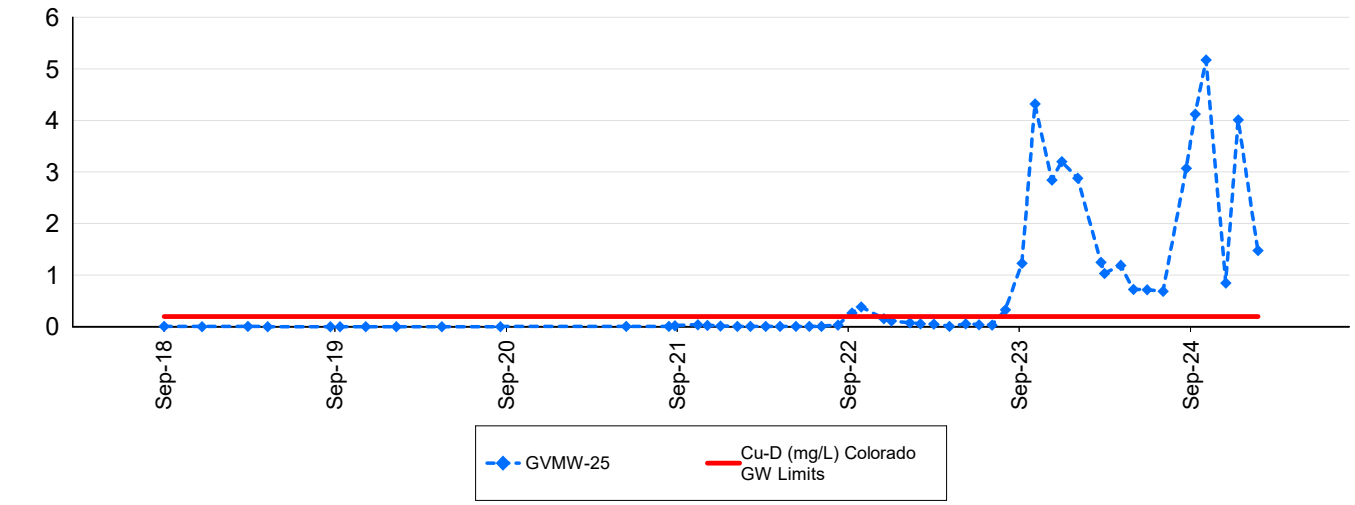
Grassy Valley: Chromium - Dissolved (mg/L)

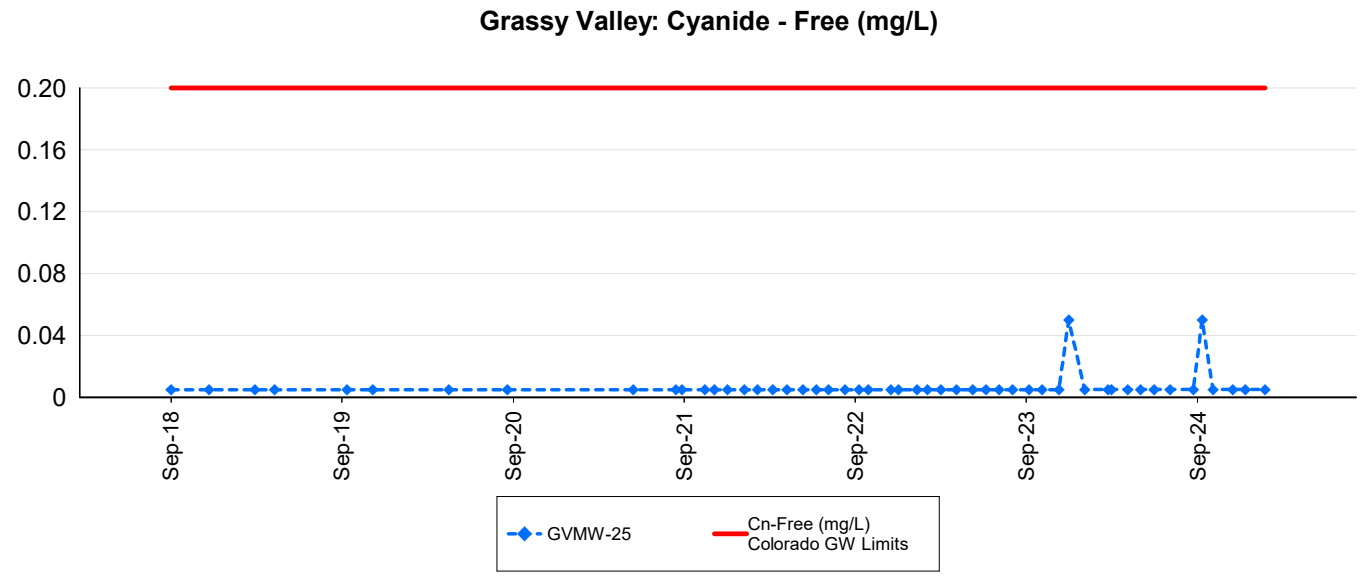


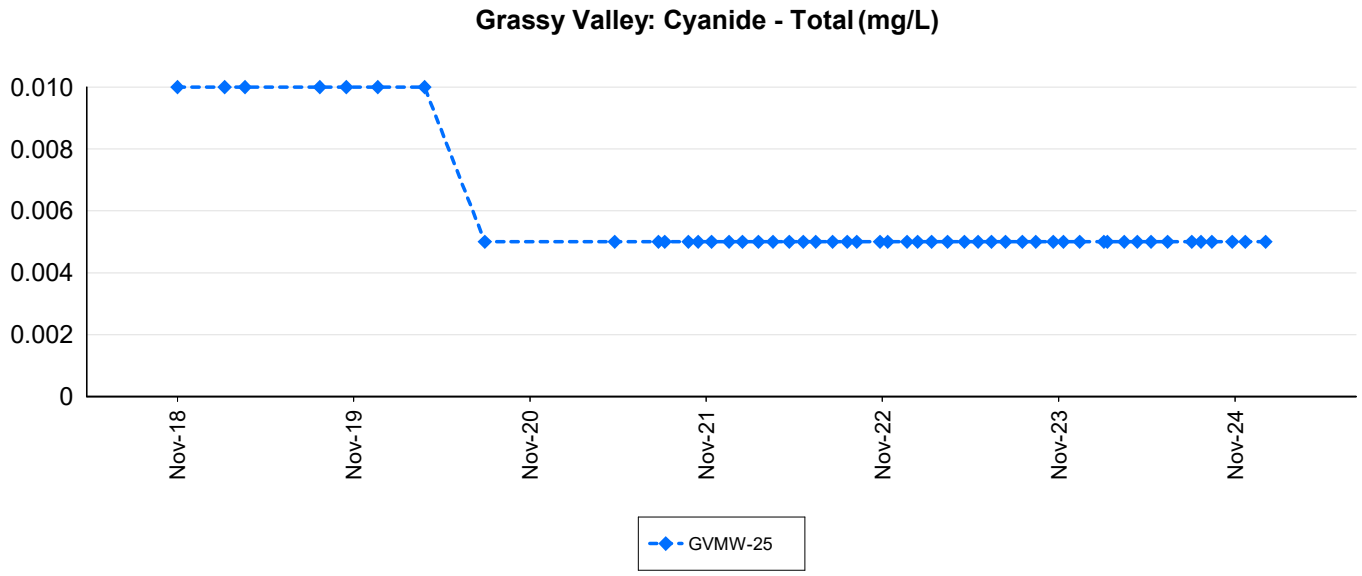
Grassy Valley: Cobalt - Dissolved (mg/L)

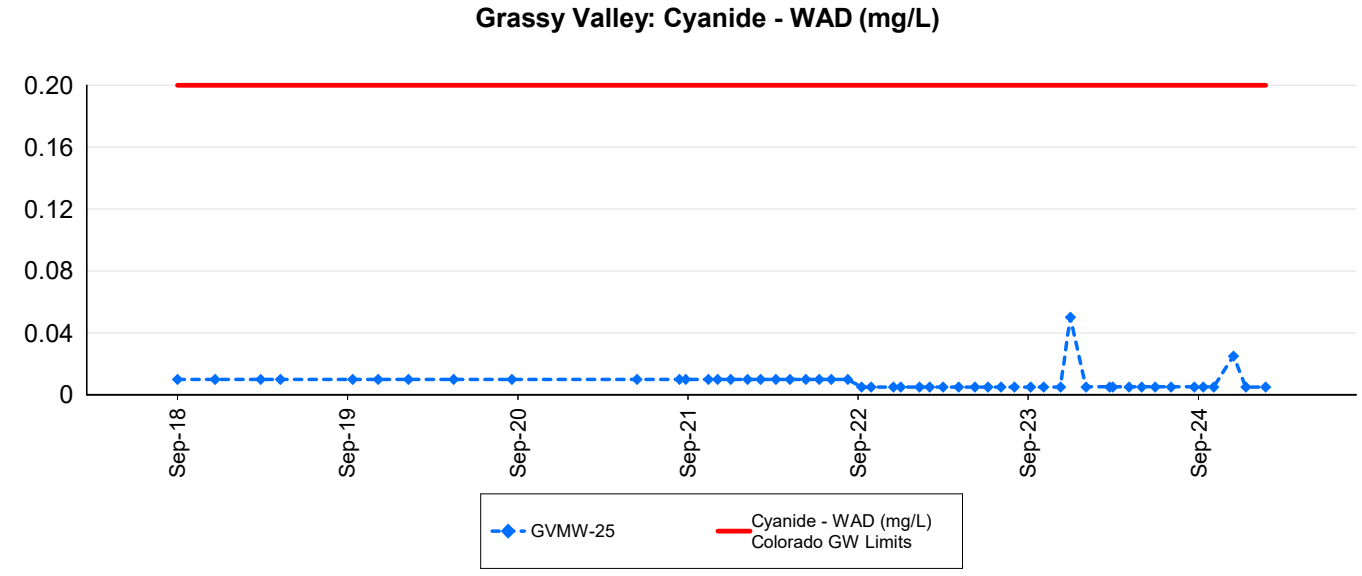


Grassy Valley: Copper - Dissolved (mg/L)

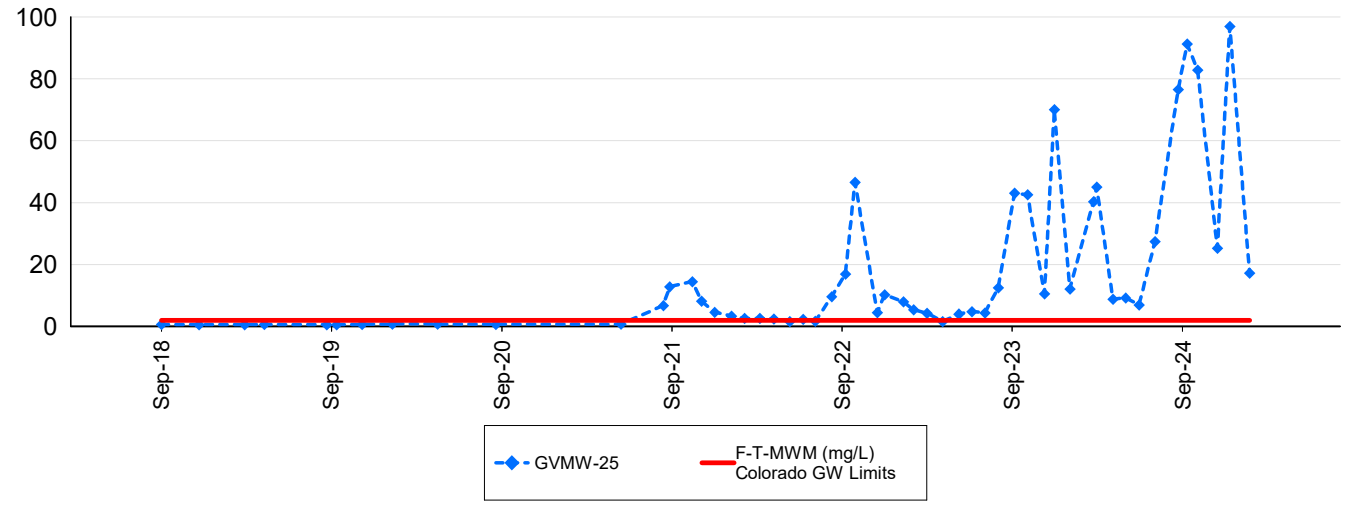




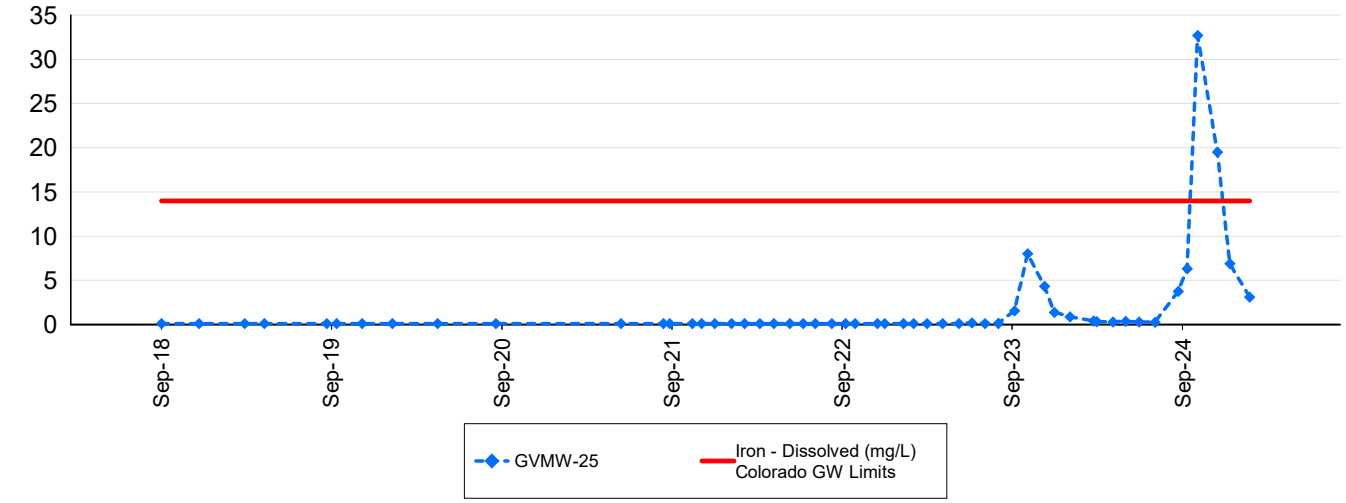




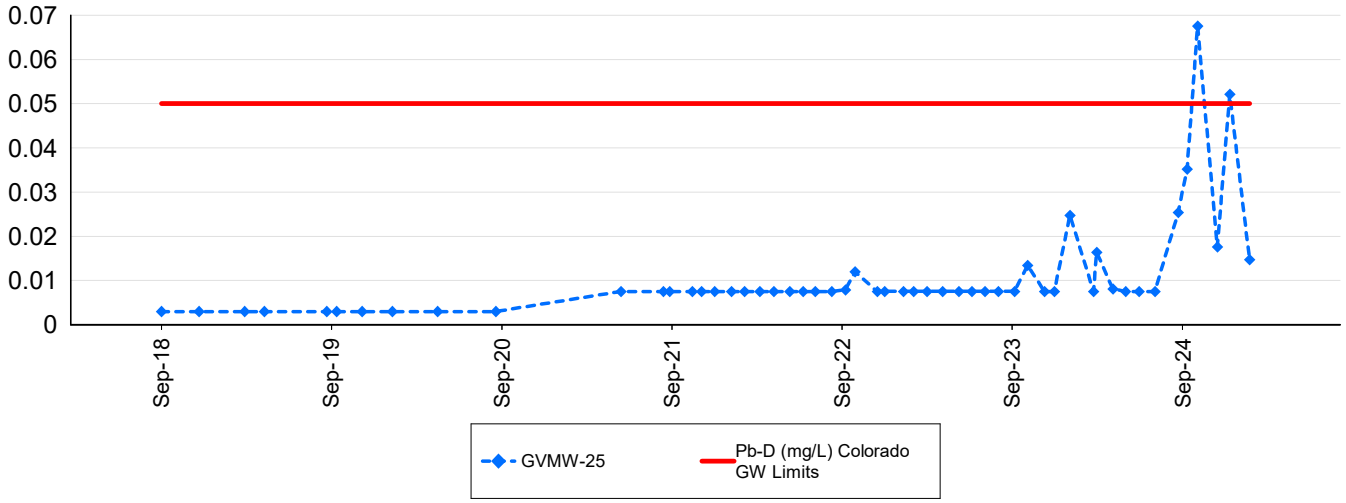
Grassy Valley: Fluoride - Total F (mg/L)



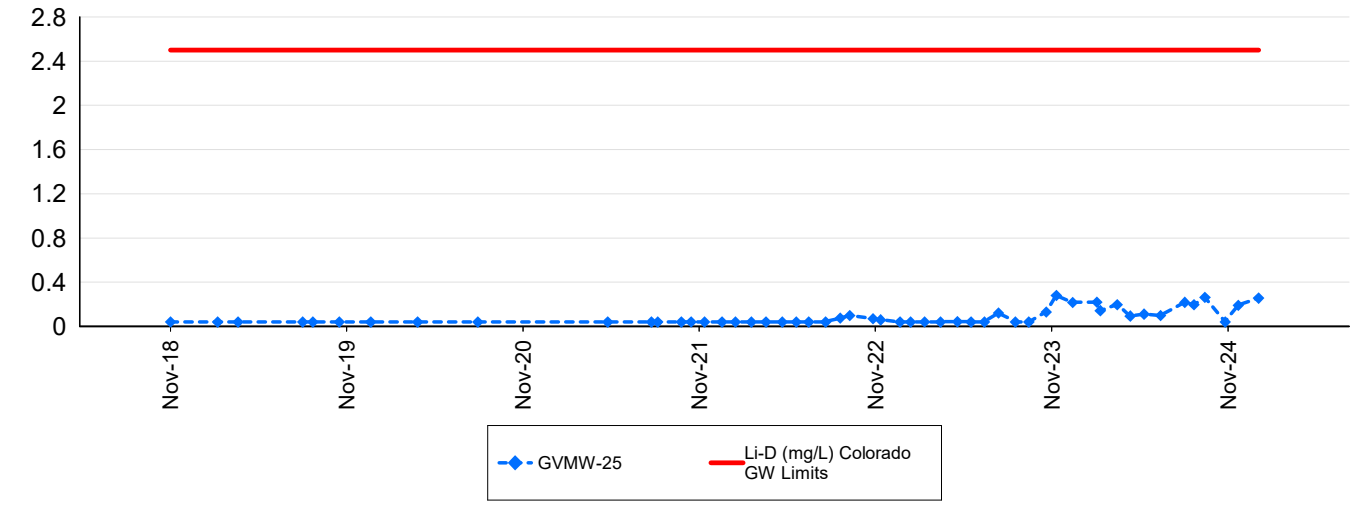
Grassy Valley: Iron - Dissolved (mg/L)



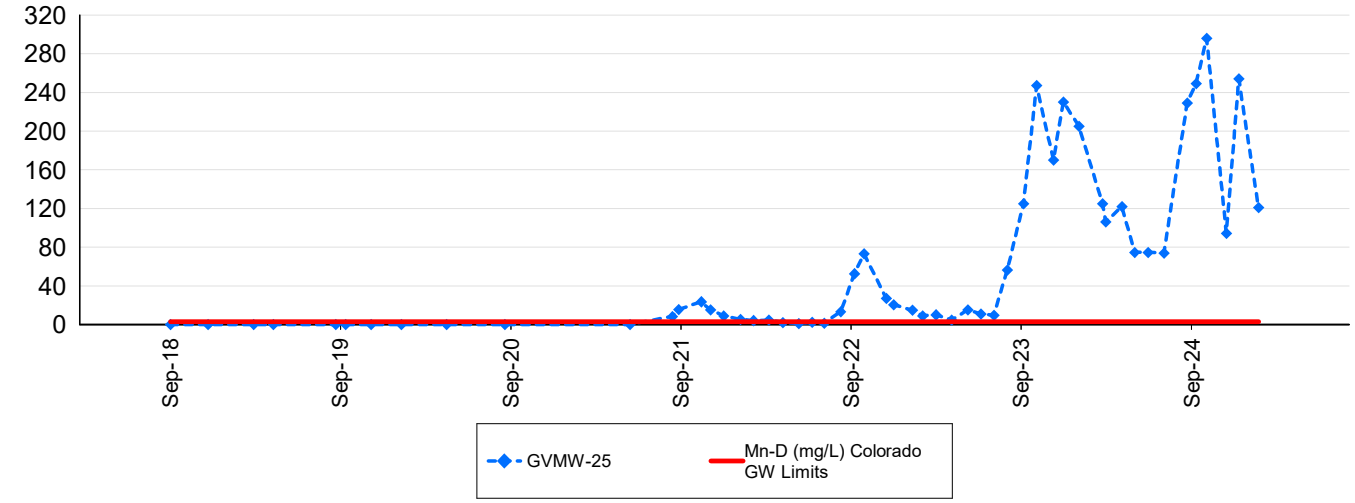
Grassy Valley: Lead - Dissolved (mg/L)



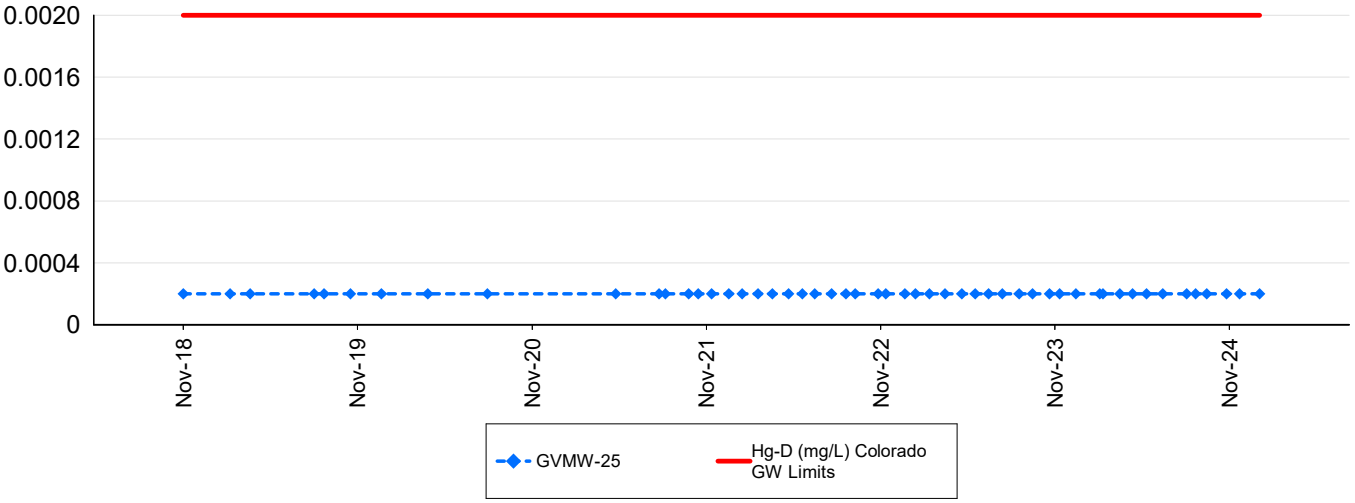
Grassy Valley: Lithium - Dissolved (mg/L)



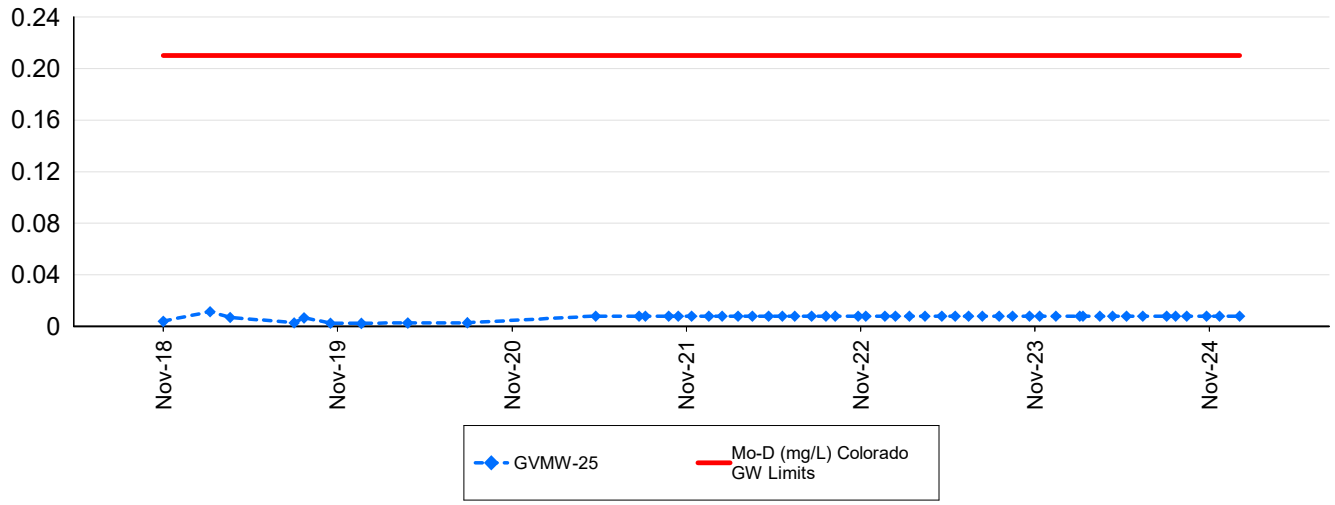
Grassy Valley: Manganese - Dissolved (mg/L)



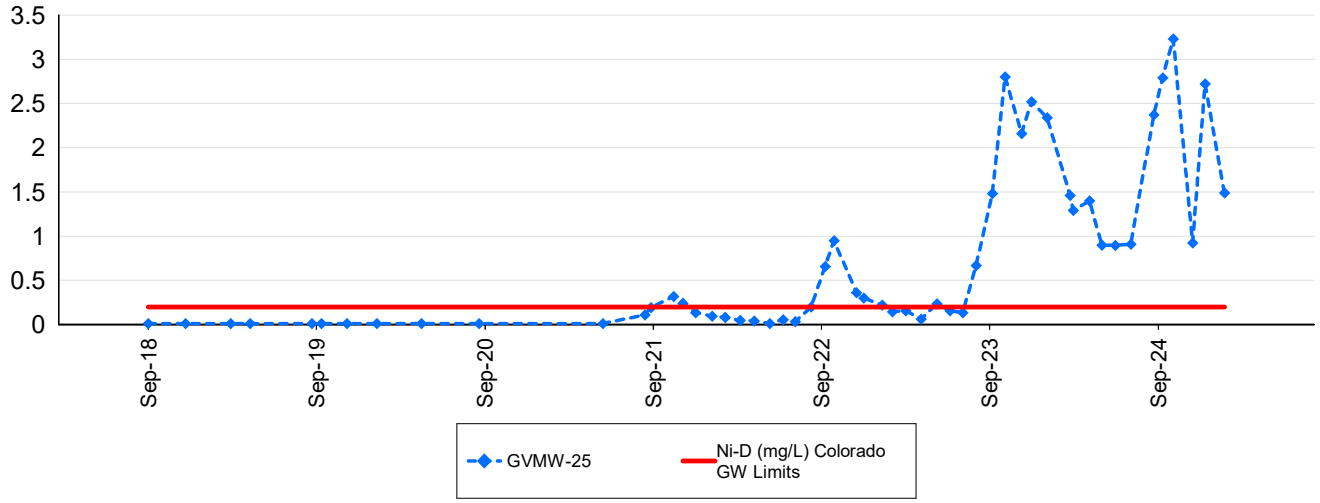
Grassy Valley: Mercury - Dissolved (mg/L)



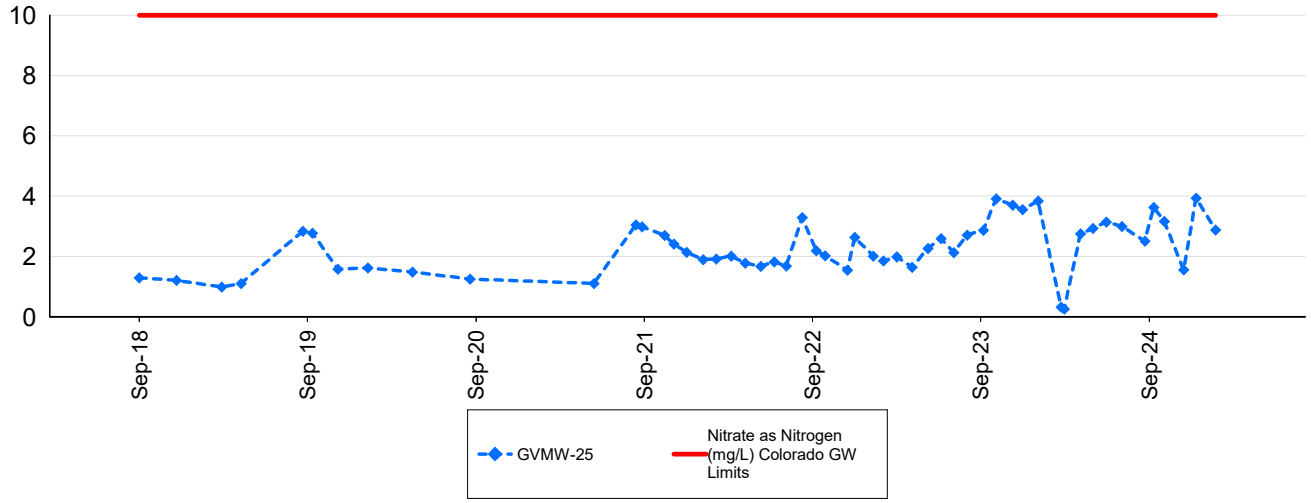
Grassy Valley: Molybdenum - Dissolved (mg/L)



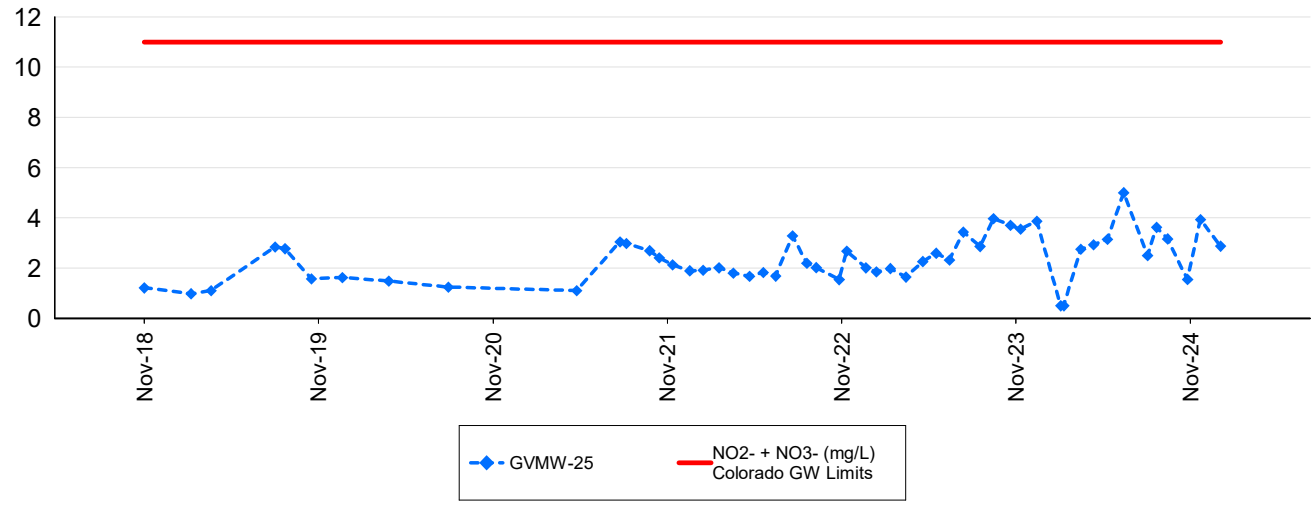
Grassy Valley: Nickel - Dissolved (mg/L)



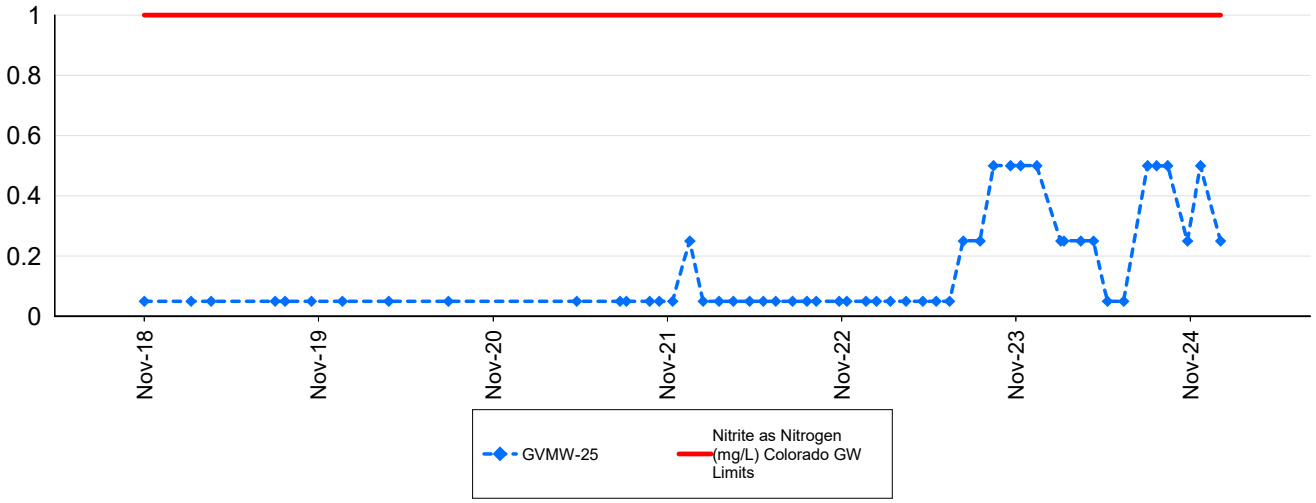
Grassy Valley: Nitrate as Nitrogen (mg/L)



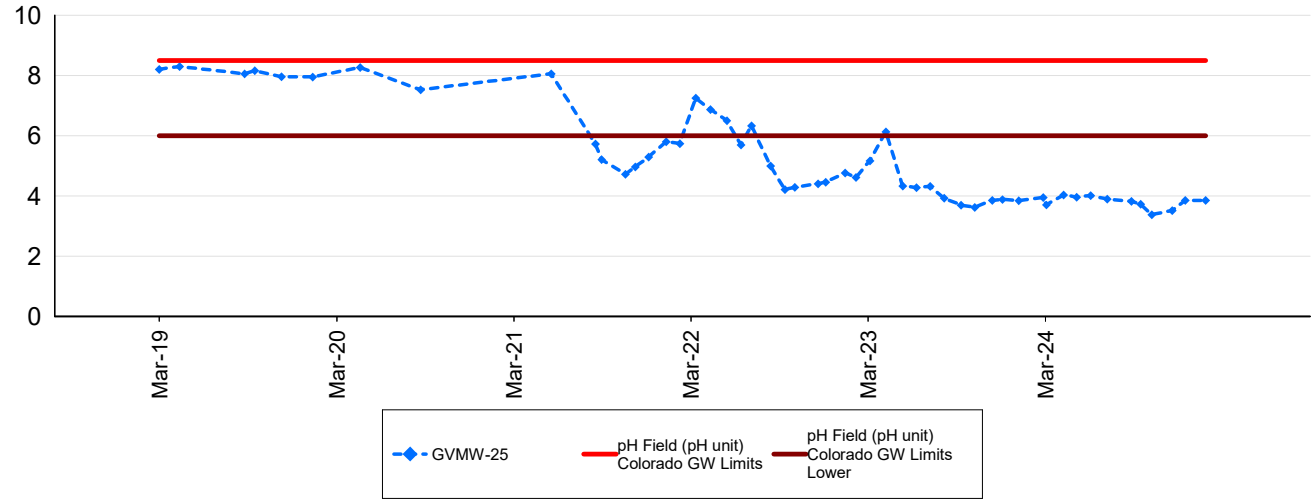
Grassy Valley: Nitrite + Nitrate as Nitrogen (mg/L)



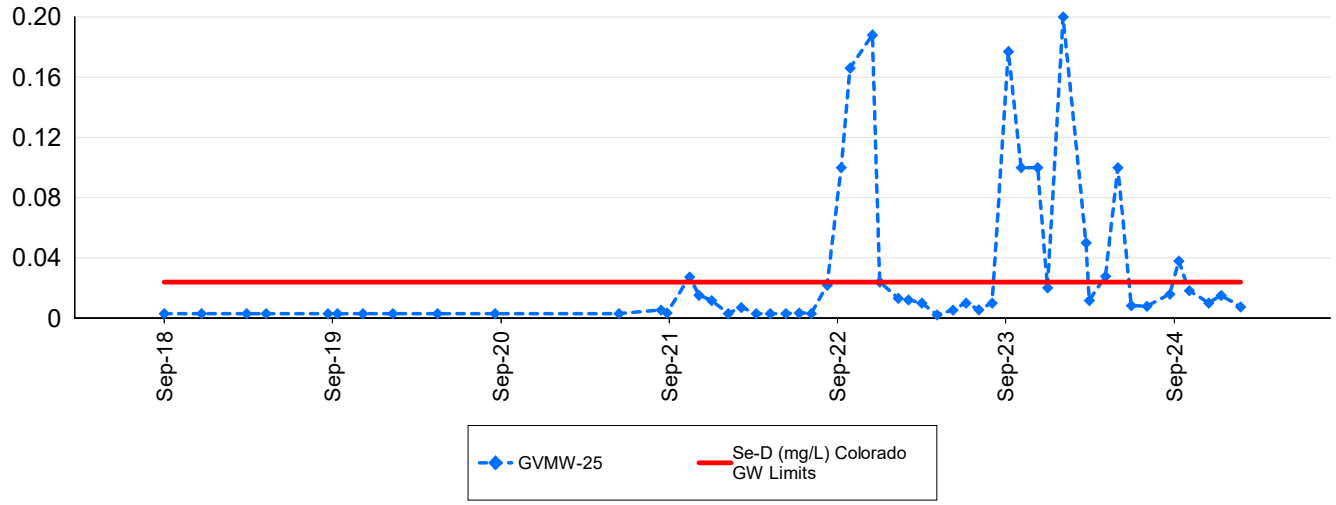
Grassy Valley: Nitrite as Nitrogen (mg/L)



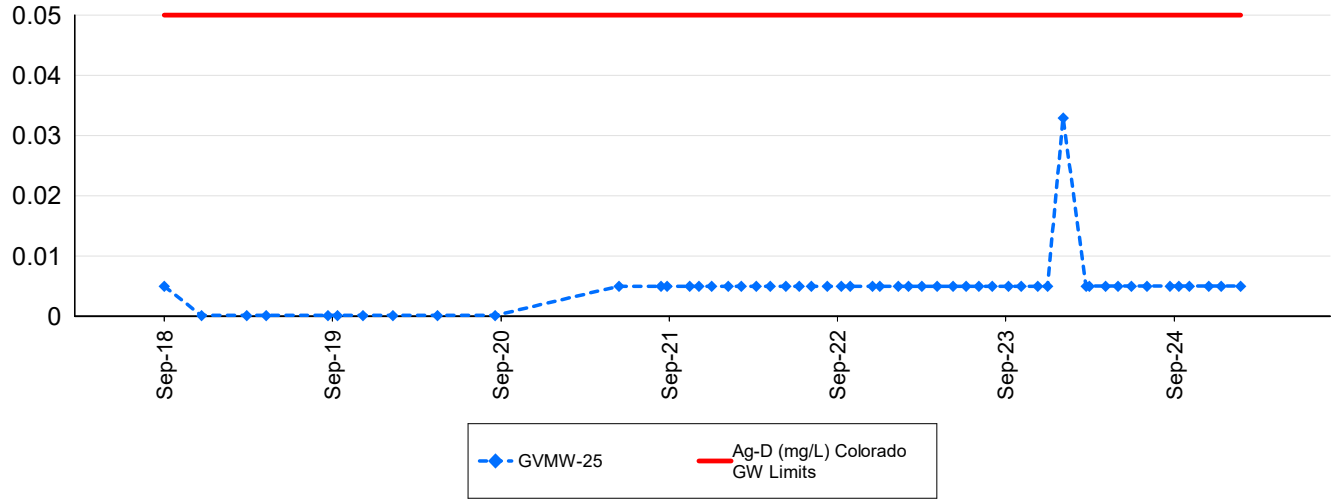
Grassy Valley: pH Field (pH unit)



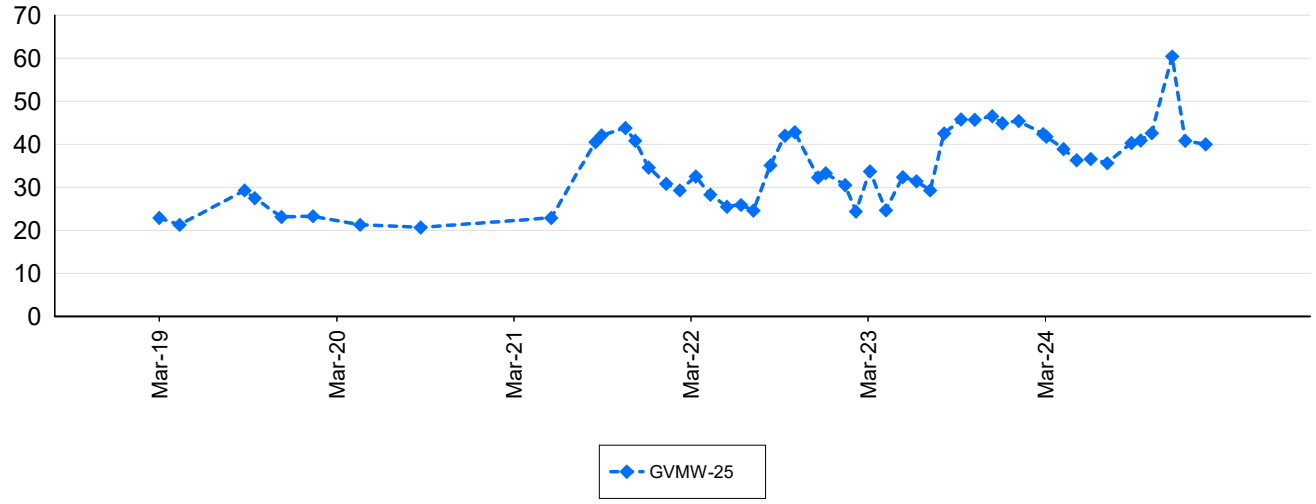
Grassy Valley: Selenium - Dissolved (mg/L)



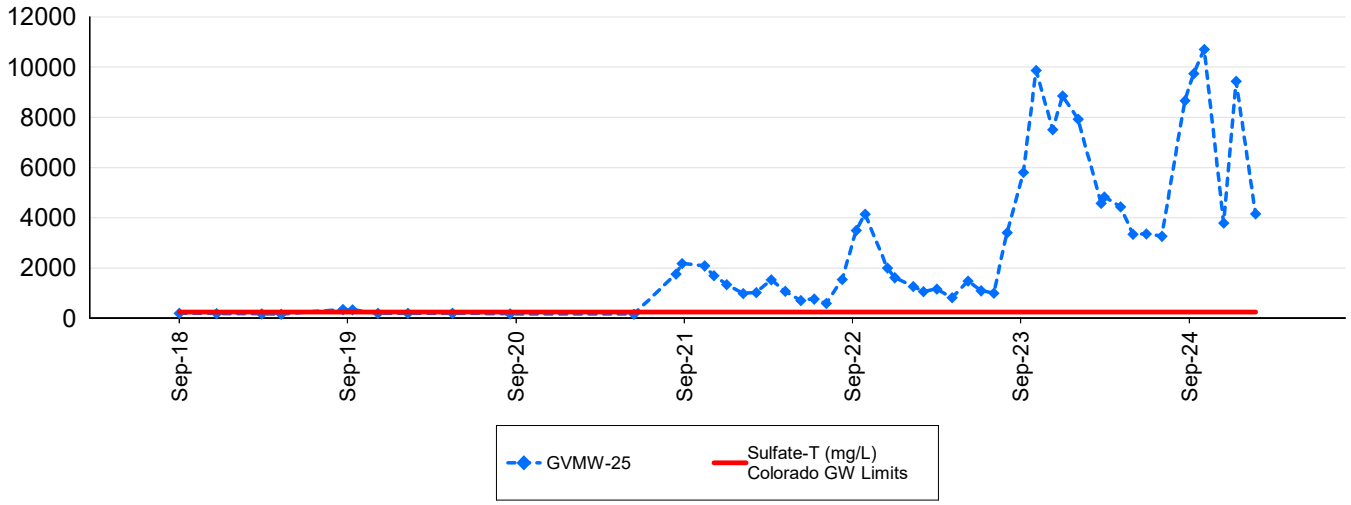
Grassy Valley: Silver - Dissolved (mg/L)



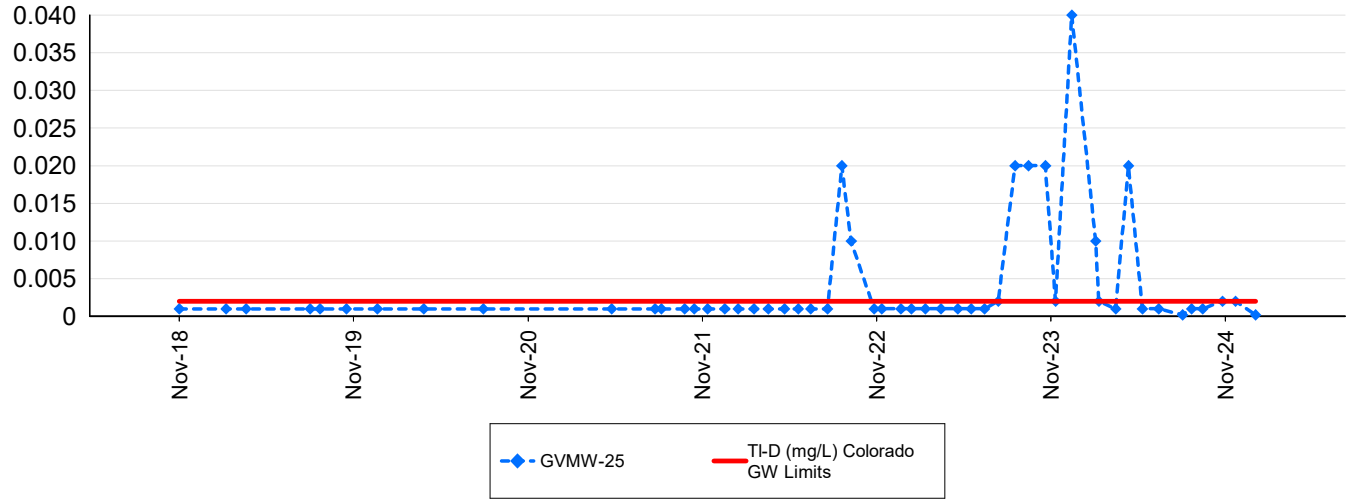
Grassy Valley: Sodium - Dissolved (mg/L)



Grassy Valley: Sulfate - Total (mg/L)



Grassy Valley: Thallium - Dissolved (mg/L)



Grassy Valley: Total Dissolved Solids (mg/L)