Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

April 28, 2025

RE: Monthly Grassy Valley Report March 2025 Submission, April 28, 2025

Dear Elliott,

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

METHODOLOGY

In March 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 shown in the Location Maps (Figures), and a summary of each groundwater and surface water locations' status is provided in Table 1.

During the March 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-30, GVMW-31, OSABH12, OSABH14, and OSABH-18 were dry;
- GVMW-24A had sediment-laden water that caused the pump to overheat and malfunction;
- GVMW-24B, GVMW-32, and GVMW-36 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-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 and rinsed with deionized water prior to each measurement to prevent cross contamination.

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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 10, 2025.

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 3.2 – Groundwater Monitoring Parameters of the QAPP. Proper chain-of custody (COC) procedures were followed as described in Section 10.10 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 March 2025 (included in Attachment 1). Two duplicate samples and one rinse blank sample were collected per section 8.0 of the approved QAPP.

RESULTS

Analytical results are compared to applicable standards in Table 2 for groundwater samples and in Attachment 2 for surface water samples. Complete laboratory analytical reports from the March 2025 sampling event are included in Attachment 1 and field-collected data is presented on the sampling logs in Attachment 3.

DISCUSSION

Groundwater

Observed groundwater quality data 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 potential deviation from established seasonal 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. February 2025 data overall indicated similar constituent concentrations when compared to January 2025 data.

Trend graphs for various constituents at the GVMW-25 monitoring location are provided in Attachment 4. Overall, results indicate similar concentrations compared to February 2025. However, concentrations of arsenic decreased relative to February 2025 and fluoride, lead, and silver concentration slightly increased. All other constituents remained consistent with the previous month's data. Additionally, ammonia, antimony, boron, cyanide, lead, mercury, molybdenum, thallium, and vanadium were not detected in the March 2025 samples.

Water quality at the GVMW-15B, OSABH-16, 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-8B and GVMW-22A locations;

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- 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 significant effort was made to approximate the procedure. CC&V elected to collect samples from these well despite the deviation from the procedure to provide more data on the water quality at these historic well locations.

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

Newly Constructed Monitoring Wells
During the March 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 arsenic, barium, selenium, nitrate, sulfate, thallium, and uranium at the GVMW-35B location; and
- Elevated pH at the GVMW-37A location.

Surface water
Flowing water was observed at the GV-06, GV-4.5 and GV-05 monitoring locations in Q1 2025 and samples were collected. Monitoring locations GV-03 and GV-02 did not have flowing water, and no samples were collected. Monitoring location GV-06, GV-4.5, and GV-05 exceeded Regulation 32 standards (Classification and Numeric Standards for Arkansas River Basin) for total iron and phosphorus. GV-06 monitoring location exceeded Regulation 32 standards for dissolved manganese. GV-4.5 and GV-06 exceeded the Regulation 32 standard for dissolved iron.

Stormwater Detention Ponds
All EMPs were frozen and/or dry during the March 2025 monitoring period and therefore no samples were collected.

If you have questions, please contact Josh Adams at (719) 323-0438 or Joshua.Adams@ccvmining.com, or myself at (719) 851-4048 or Katie.Blake@ccvmining.com

Sincerely,

pp DocuSigned by: Joshua Adams 993A53E1E4FF4EC...

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

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Figures

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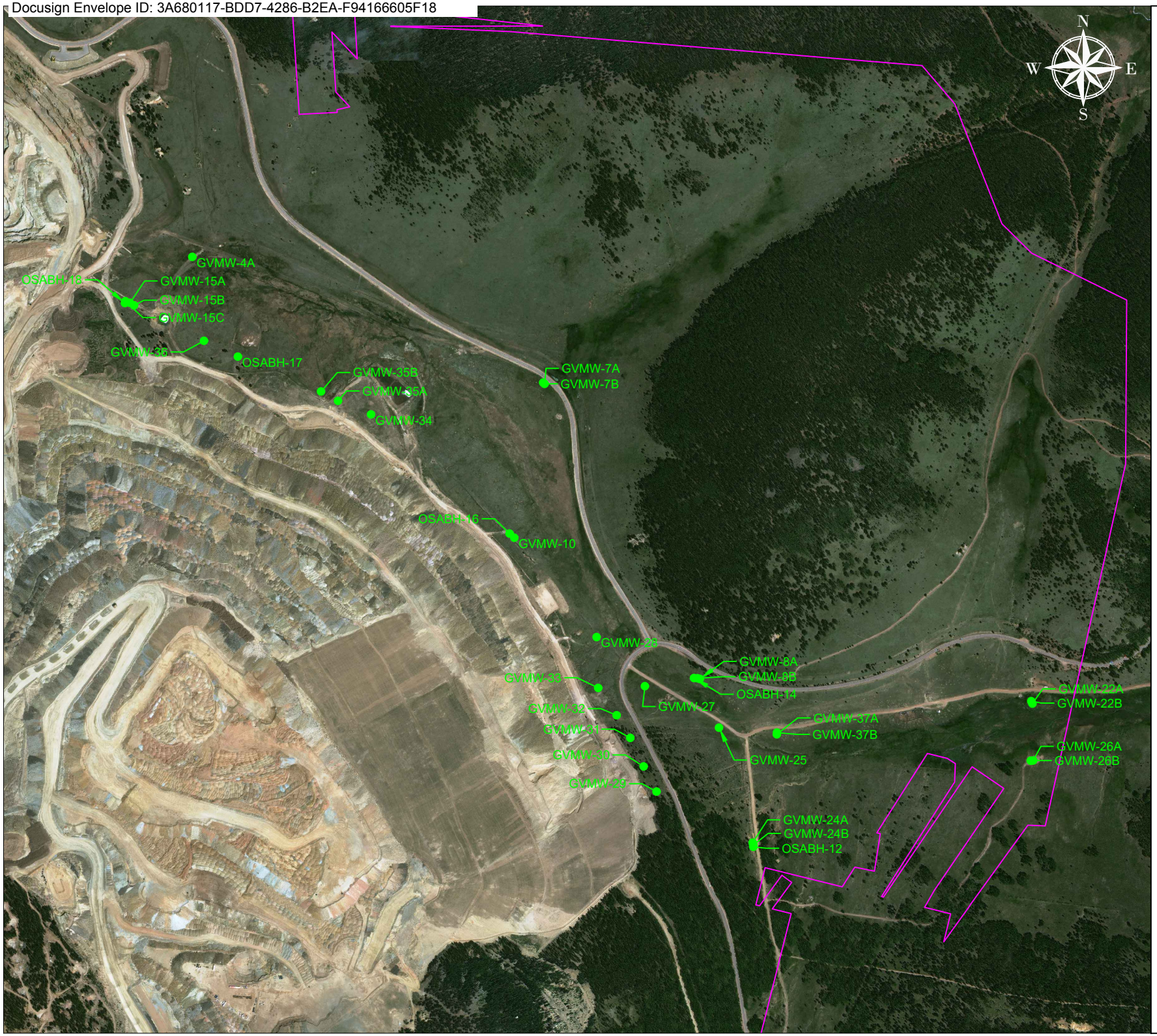

LEGEND

- MONITORING WELL
- PERMIT BOUNDARY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Newmont
CRIPPLE CREEK & VICTOR

Drawing Name

GRASSY VALLEY
MONITORING WELLS

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

Scale: 0 500 1000 Feet

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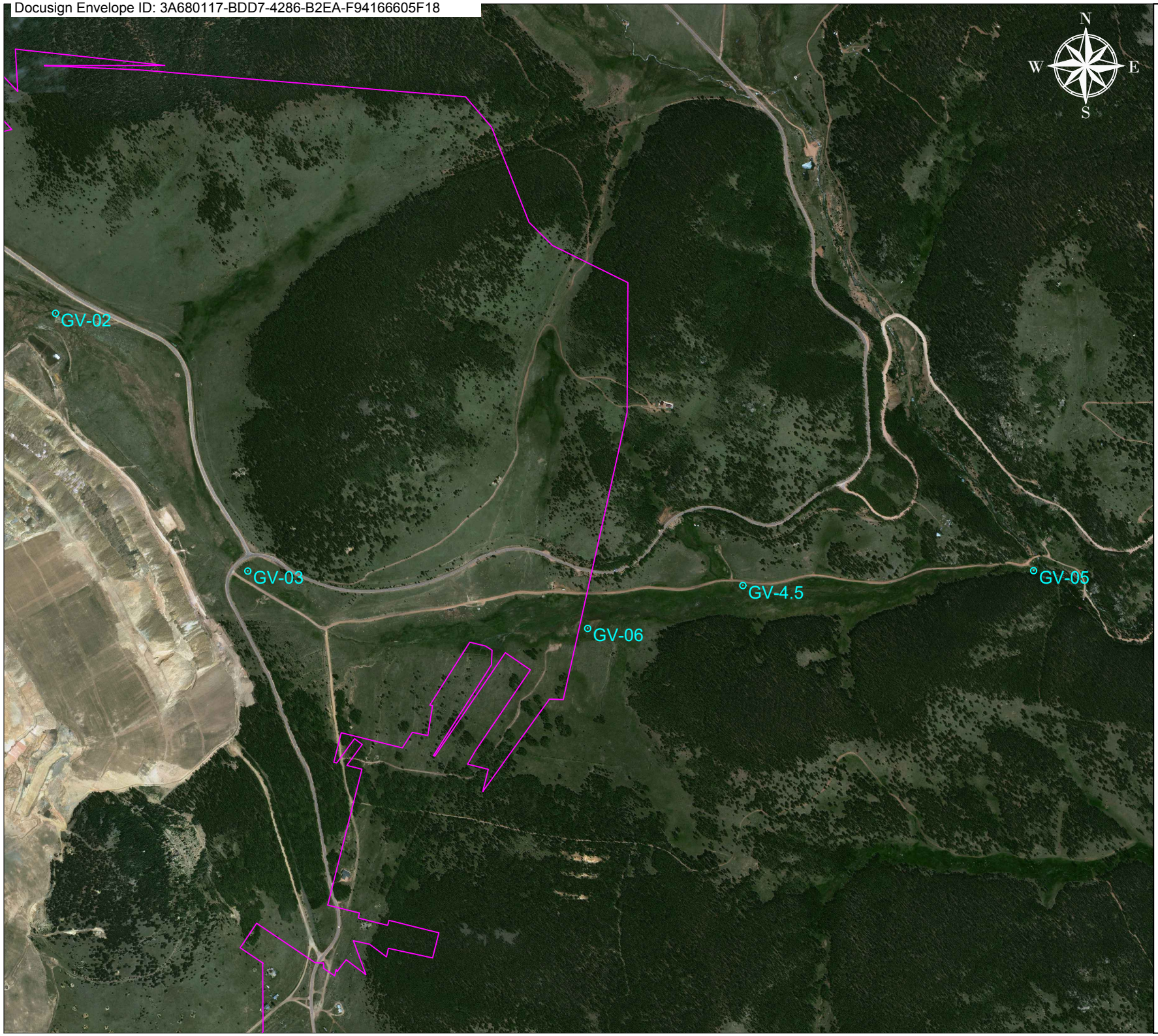

LEGEND

- 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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

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

Monitoring Location	Date Monitored	Status
GVMW-4A	3/6/2025	Sampled
GVMW-7A	3/5/2025	Sampled
GVMW-7B	3/5/2025	Sampled
GVMW-8A	3/11/2025	Sampled
GVMW-8B	3/11/2025	Sampled
GVMW-10	3/18/2025	Sampled
GVMW-15A	3/10/2025	Sampled
GVMW-15B	3/10/2025	Sampled
GVMW-15C	3/10/2025	Dry at 419' BTOC
GVMW-22A	3/5/2025	Sampled
GVMW-22B	3/5/2025	Sampled
GVMW-24A	3/3/2025	Not sampled due to sediment laden water causing the pump to overheat; unable to pump well
GVMW-24B	3/3/2025	NS-IW
GVMW-25	3/17/2025	Sampled
GMVW-26A	3/3/2025	Sampled
GVMW-26B	3/3/2025	Sampled
GVMW-27	3/17/2025	Sampled
GVMW-28	3/18/2025	Sampled
GVMW-29	3/19/2025	Dry at 38.38' BTOC
GVMW-30	3/19/2025	Dray at 51.29' BTOC
GVMW-31	3/19/2025	Dry at 61.82' BTOC
GVMW-32	3/19/2025	NS-IW
GVMW-33	3/20/2025	Sampled
GVMW-34	3/20/2025	Sampled
GVMW-35A	3/19/2025	Not sampled, well/tubing frozen
GVMW-35B	3/20/2025	Sampled
GVMW-36	3/20/2025	NS-IW
GVMW-37A	3/6/2025	Sampled
GVMW-37B	3/6/2025	Sampled
OSABH-12	3/5/2025	Dry at 39' bgs
OSABH-14	3/11/2025	Dry at 29' bgs
OSABH-16	3/19/2025	Sampled
OSABH-17	3/11/2025	Sampled
OSABH-18	3/10/2025	Dry at 52' BTOC
Ecosa Seep-1	3/19/2025	Not sampled; location frozen
Ecosa Seep-2	3/19/2025	Not sampled; location frozen
GV-02	3/19/2025	Not sampled; location frozen/no flowing water
GV-03	3/19/2025	Not sampled; location frozen/no flowing water
GV-06	3/26/2025	Sampled
GV-4.5	3/26/2025	Sampled
GV-05	3/26/2025	Sampled
EMP-016	3/19/2025	Not sampled; location frozen/snow covered
EMP-017	3/19/2025	Not sampled; location frozen/snow covered
EMP-017A	3/19/2025	Not sampled; location frozen/snow covered
EMP-17B	3/19/2025	Not sampled; location frozen/snow covered
EMP-17C	3/19/2025	Not sampled; location frozen/snow covered
EMP-020	3/19/2025	Not sampled; location frozen/snow covered

Notes:
' - feet
BTOC - below top of casing
NS-IW - Not sampled due to insufficient water

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Table 2
Grassy Valley Monthly Groundwater Analytical Results - March 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	3/6/2025	3/5/2025	3/5/2025	3/11/2025	3/11/2025	3/18/2025	3/10/2025	3/10/2024	3/5/2024	3/5/2025	3/17/2025	3/3/2025	3/3/2025
Aluminum - Dissolved	5	**7**	mg/L		<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	0.24	<0.080	<0.080	**401**	<0.080	<0.080
Ammonia	NA	NA	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.046	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Antimony - Dissolved	**0.006**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.00100	<0.00100
Arsenic - Dissolved	**0.01**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.117**	<0.00100	<0.00100
Barium - Dissolved	**2**	NA	mg/L		0.158	0.194	0.0285	<0.0020	0.0072	0.0169	0.0501	0.0157	0.1	0.0528	0.0125	0.22	0.13
Beryllium - Dissolved	**0.004**	NA	mg/L		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.0238**	<0.00200	<0.00200	**0.313**	<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	**0.901**	<0.0020	<0.0020
Chloride - Total	**250**	NA	mg/L		4.79	17.1	10.6	63.5	36	5.46	1.5	1.51	4.17	5.5	19.4	1.29	1.79
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	0.0273	<0.0060	<0.0060
Cobalt - Dissolved	**0.05**	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0298	**0.0543**	<0.0060	<0.0060	**0.929**	<0.0060	<0.0060
Copper - Dissolved	**0.2**	**0.2**	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	0.0267	0.0101	<0.0100	<0.0100	<0.0100	<0.0100	**1.33**	<0.0100	<0.0100
Cyanide - Free	**0.2**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.0050	<0.0050
Cyanide - Total	NA	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0761	<0.0050
Cyanide - WAD	NA	**0.2**	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	0.0054	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoride - Total F	**2**	**2**	mg/L		0.119	0.861	0.346	1.84	**2.19**	1.46	0.275	0.344	**2.14**	0.373	**43.4**	1.91	0.256
Iron - Dissolved	0.3	**14**	mg/L		7.04	1.25	<0.100	<0.100	<0.100	<0.100	**28.8**	**20.7**	<0.100	<0.100	0.999	<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	0.039	<0.0075	<0.0075	0.0236	<0.0075	<0.0075
Lithium - Dissolved	**2.5**	NA	mg/L		<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.182	<0.040	<0.040
Manganese - Dissolved	0.05	**3**	mg/L		1.85	0.237	<0.0080	<0.0080	<0.0080	1.71	1.8	1.25	<0.0080	<0.0080	**124**	<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	0.0423	<0.0080	<0.0080	0.0106	<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	0.0123	0.057	0.0986	<0.0100	<0.0100	**1.5**	<0.0100	<0.0100
Nitrate as Nitrogen	**10**	**10**	mg/L		<0.050	<0.050	0.845	1.19	2.21	<0.050	<0.050	<0.050	0.063	0.09	2.4	0.052	0.653
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		<0.100	<0.100	0.845	1.19	2.21	<0.100	<0.100	<0.100	<0.100	<0.100	2.4	<0.100	0.658
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		6.2	7.31	6.38	6.55	6.39	6.71	**5.7**	**4.33**	7.69	6.54	**3.68**	7.42	6.19
Selenium - Dissolved	0.02	**0.024**	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00969	<0.00100	<0.00100
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	0.0188	<0.0050	<0.0050
Sodium - Dissolved	NA	NA	mg/L		8.69	9.87	10	22.2	23.2	43.5	13.2	12.3	34.2	23.9	41.3	34.3	11.6
Sulfate - Total	**250**	NA	mg/L		58.3	24.2	73.7	62.4	96	**1,240**	189	**260**	32.4	107	**4,590**	14.6	20
Thallium - Dissolved	**0.002**	NA	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.00100	<0.000200	<0.000200
Total Dissolved Solids	NA	NA	mg/L		205	267	223	316	303	2,550	300	421	241	281	6,560	193	114
Uranium - Dissolved	**0.03**	NA	mg/L		0.000128	0.00485	0.000374	0.00482	0.00248	**0.0423**	0.000104	0.00282	0.00348	0.00131	**1.19**	0.00329	0.000144
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	0.0274	<0.0050	<0.0050
Zinc - Dissolved	**2**	**2**	mg/L		0.0113	<0.0100	<0.0100	<0.0100	<0.0100	0.119	0.263	0.983	<0.0100	<0.0100	**29.8**	<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

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Table 2
Grassy Valley Monthly Groundwater Analytical Results - March 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-37A	GVMW-37B	OSABH-17	OSABH-16
				Sample Date	3/17/2025	3/18/2025	3/20/2025	3/20/2025	3/20/2025	3/6/2025	3/6/2025	3/11/2025	3/19/2025
Aluminum - Dissolved	5	**7**	mg/L		**144**	**1,340**	**514**	**16.7**	<0.080	<0.080	<0.080	**4,650**	**758**
Ammonia	NA	NA	mg/L		<0.030	0.041	0.143	<0.030	<0.030	0.047	0.039	<3.00	0.050
Antimony - Dissolved	**0.006**	NA	mg/L		<0.00500	<0.0500	<0.00100	<0.00100	**0.0258**	0.00141	<0.00100	<0.100	<0.0500
Arsenic - Dissolved	**0.01**	NA	mg/L		**0.0336**	**0.328**	**0.164**	<0.00100	**0.0293**	0.00243	<0.00100	**0.68**	**0.135**
Barium - Dissolved	**2**	NA	mg/L		0.0142	<0.0100	0.0168	0.0278	0.0144	0.0737	0.0721	<0.0200	<0.0200
Beryllium - Dissolved	**0.004**	NA	mg/L		**0.114**	**0.762**	**0.576**	**0.0155**	<0.00200	<0.00200	<0.00200	**0.790**	**0.521**
Boron - Total	**0.75**	NA	mg/L		<0.0400	<0.200	<0.0400	0.0456	<0.0400	<0.0400	<0.0400	<0.400	<0.400
Cadmium - Dissolved	**0.005**	**0.005**	mg/L		**0.344**	**2.6**	**1.11**	**0.0725**	<0.0020	<0.0020	<0.0020	**10.3**	**3.65**
Chloride - Total	**250**	NA	mg/L		51.8	4.79	5.63	27.1	86	3.65	3.9	19.7	2.85
Chromium - Dissolved	**0.1**	NA	mg/L		0.0094	**0.211**	0.0147	<0.0060	<0.0060	<0.0060	<0.0060	**0.98**	<0.0600
Cobalt - Dissolved	**0.05**	NA	mg/L		**0.278**	**2.33**	**0.725**	**0.0606**	<0.0060	<0.0060	<0.0060	**22.4**	**2.55**
Copper - Dissolved	**0.2**	**0.2**	mg/L		**0.390**	**6.04**	**1.25**	<0.0100	<0.0100	<0.0100	<0.0100	**19.3**	**3.45**
Cyanide - Free	**0.2**	NA	mg/L		<0.0500	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.0500
Cyanide - Total	NA	NA	mg/L		<0.0050	<0.0050	0.0053	<0.0050	<0.0050	<0.0050	<0.0050	0.0311	0.007
Cyanide - WAD	NA	**0.2**	mg/L		<0.0050	<0.0050	<0.0250	<0.0500	<0.0500	<0.0050	<0.0050	<0.0250	<0.0050
Fluoride - Total F	**2**	**2**	mg/L		**16.3**	**149**	**105**	**31.4**	<0.100	1.37	1.87	**221**	**130**
Iron - Dissolved	0.3	**14**	mg/L		1.550	**94.7**	8.99	<0.100	<0.100	<0.100	<0.100	**204**	**23.9**
Lead - Dissolved	**0.05**	NA	mg/L		<0.0075	**0.0533**	0.0236	<0.0075	<0.0075	<0.0075	<0.0075	**0.109**	<0.0750
Lithium - Dissolved	**2.5**	NA	mg/L		0.058	0.387	0.289	0.292	<0.040	<0.040	<0.040	2.34	0.568
Manganese - Dissolved	0.05	**3**	mg/L		**55.2**	**361**	**186**	**78.2**	0.542	0.0875	0.0115	**1,630**	**646**
Mercury - Dissolved	**0.002**	**0.002**	mg/L		0.00	<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	<0.0080	0.0207	<0.0080	<0.0800	<0.0800
Nickel - Dissolved	**0.1**	NA	mg/L		**0.515**	**3.6**	**1.66**	**0.372**	<0.0100	<0.0100	<0.0100	**17.6**	**2.35**
Nitrate as Nitrogen	**10**	**10**	mg/L		1.34	5.61	5.84	**11.1**	**12.1**	<0.050	1.14	5.20	3.36
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		1.34	5.61	5.88	**11.1**	**12.1**	<0.100	1.14	10.50	3.36
Nitrite as Nitrogen	**1**	**1**	mg/L		<0.050	<0.500	<0.250	<0.050	0.081	<0.050	<0.050	<2.50	<0.500
pH Field	6.5-8.5	**6.0-8.5**	pH units		**4.20**	**2.76**	**3.76**	**5.8**	7.37	**8.69**	7.49	**3**	**3.07**
Selenium - Dissolved	0.02	**0.024**	mg/L		<0.00500	<0.0500	0.0207	0.0157	**0.0422**	<0.00100	0.00123	<0.100	<0.0500
Silver - Dissolved	**0.05**	NA	mg/L		0.0072	0.0318	0.008	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	**0.073**
Sodium - Dissolved	NA	NA	mg/L		40.5	33.9	82.9	44.7	15.8	34.5	27.8	12.3	23.9
Sulfate - Total	**250**	NA	mg/L		**2,100**	**11,900**	**6,230**	**2,860**	**1,300**	180	105	**37,100**	**7,680**
Thallium - Dissolved	**0.002**	NA	mg/L		<0.00100	<0.0100	<0.00200	<0.000200	**0.0288**	<0.000200	<0.000200	<0.0200	<0.0100
Total Dissolved Solids	NA	NA	mg/L		3,040	16,300	8,110	4,000	2,000	360	282	51,000	10,000
Uranium - Dissolved	**0.03**	NA	mg/L		**0.407**	**3.75**	**1.86**	**0.0378**	**0.0682**	0.00351	0.00301	**16.1**	**5.65**
Vanadium - Dissolved	**0.1**	NA	mg/L		0.013	0.0865	0.0082	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	**0.155**
Zinc - Dissolved	**2**	**2**	mg/L		**12.2**	**103**	**27.8**	**9.16**	<0.0100	<0.0100	<0.0100	**349**	**127**

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Attachment 1
Laboratory Analytical Reports

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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: **X5C0040**
Victor, CO 80860	Reported: 20-Mar-25 10:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-26 A	X5C0040-01	Ground Water	03-Mar-25 09:28	tr	05-Mar-2025	
GVMW-26 B	X5C0040-02	Ground Water	03-Mar-25 10:20	tr	05-Mar-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: X5C0040

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: **X5C0040**
Reported: 20-Mar-25 10:49

Client Sample ID: **GVMW-26 A**
SVL Sample ID: **X5C0040-01 (Ground Water)**

Sampled: 03-Mar-25 09:28
Received: 05-Mar-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**	30.7	mg/L	0.100	0.069		X510252	SJN	03/13/25 13:38	
EPA 200.7	**Magnesium**	6.75	mg/L	0.500	0.090		X510252	SJN	03/13/25 13:38	
EPA 200.7	**Potassium**	0.95	mg/L	0.50	0.18		X510252	SJN	03/13/25 13:38	
SM 2340 B	**Hardness (as CaCO3)**	104	mg/L	2.31	0.543		N/A		03/10/25 09:18	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X510203	NMS	03/10/25 09:18	
EPA 200.7	**Barium**	0.220	mg/L	0.0020	0.0019		X510203	NMS	03/10/25 09:18	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X510203	NMS	03/10/25 09:18	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X510203	NMS	03/10/25 09:18	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X510203	NMS	03/10/25 09:18	
EPA 200.7	**Calcium**	32.3	mg/L	0.100	0.069		X510203	NMS	03/10/25 09:18	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X510203	NMS	03/10/25 09:18	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X510203	NMS	03/10/25 09:18	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X510203	NMS	03/10/25 09:18	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X510203	NMS	03/10/25 09:18	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X510203	NMS	03/10/25 09:18	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X510203	NMS	03/10/25 09:18	
EPA 200.7	**Magnesium**	7.26	mg/L	0.500	0.090		X510203	NMS	03/10/25 09:18	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X510203	NMS	03/10/25 09:18	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X510203	NMS	03/10/25 09:18	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X510203	NMS	03/10/25 09:18	
EPA 200.7	**Potassium**	1.04	mg/L	0.50	0.18		X510203	NMS	03/10/25 09:18	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X510203	NMS	03/10/25 09:18	
EPA 200.7	**Sodium**	34.3	mg/L	0.50	0.12		X510203	NMS	03/10/25 09:18	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X510203	NMS	03/10/25 09:18	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X510203	NMS	03/10/25 09:18	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	JRR	03/18/25 14:31	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 14:31	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	JRR	03/18/25 14:31	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 14:31	
EPA 200.8	**Uranium**	0.00329	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 14:31	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 12:23	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511095	JPM	03/14/25 13:22	
EPA 335.4	**Cyanide (total)**	0.0761	mg/L	0.0050	0.0038		X510185	JPM	03/07/25 11:20	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X510182	JPM	03/07/25 13:36	M1
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 12:41	
SM 2310 B	**Acidity to pH 8.3**	-146	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	157	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:21	
SM 2320 B	**Bicarbonate**	157	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:21	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:21	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:21	
SM 2540 C	**Total Diss. Solids**	193	mg/L	10			X510154	TJL	03/07/25 13:00	
SM 2540 D	**Total Susp. Solids**	6.0	mg/L	5.0			X510155	TJL	03/07/25 14:35	
SM 4500 H B	**pH @17.8°C**	7.9	pH Units				X511021	alkuser	03/11/25 12:21	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: **X5C0040**
Reported: 20-Mar-25 10:49

Client Sample ID: **GVMW-26 A**
SVL Sample ID: **X5C0040-01 (Ground Water)**

Sampled: 03-Mar-25 09:28
Received: 05-Mar-25
Sampled By: tr

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.29	mg/L	0.20	0.02		X510148	RS	03/05/25 21:09	
EPA 300.0	**Fluoride**	1.91	mg/L	0.100	0.017		X510148	RS	03/05/25 21:09	
EPA 300.0	**Nitrate as N**	0.052	mg/L	0.050	0.013		X510148	RS	03/05/25 21:09	H3
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X510148	RS	03/05/25 21:09	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510148	RS	03/05/25 21:09	H3
EPA 300.0	**Sulfate as SO4**	14.6	mg/L	0.30	0.18		X510148	RS	03/05/25 21:09	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.62 meq/L Anion Sum: 3.58 meq/L C/A Balance: 0.54 % Calculated TDS: 186 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: **X5C0040**
Reported: 20-Mar-25 10:49

Client Sample ID: **GVMW-26 B**
SVL Sample ID: **X5C0040-02 (Ground Water)**

Sampled: 03-Mar-25 10:20
Received: 05-Mar-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**	11.7	mg/L	0.100	0.069		X510252	SJN	03/13/25 13:42	
EPA 200.7	**Magnesium**	2.25	mg/L	0.500	0.090		X510252	SJN	03/13/25 13:42	
EPA 200.7	**Potassium**	0.73	mg/L	0.50	0.18		X510252	SJN	03/13/25 13:42	
SM 2340 B	**Hardness (as CaCO3)**	38.5	mg/L	2.31	0.543		N/A		03/10/25 10:43	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X510203	NMS	03/10/25 10:43	
EPA 200.7	**Barium**	0.130	mg/L	0.0020	0.0019		X510203	NMS	03/10/25 10:43	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X510203	NMS	03/10/25 10:43	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X510203	NMS	03/10/25 10:43	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X510203	NMS	03/10/25 10:43	
EPA 200.7	**Calcium**	12.6	mg/L	0.100	0.069		X510203	NMS	03/10/25 10:43	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X510203	NMS	03/10/25 10:43	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X510203	NMS	03/10/25 10:43	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X510203	NMS	03/10/25 10:43	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X510203	NMS	03/10/25 10:43	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X510203	NMS	03/10/25 10:43	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X510203	NMS	03/10/25 10:43	
EPA 200.7	**Magnesium**	2.51	mg/L	0.500	0.090		X510203	NMS	03/10/25 10:43	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X510203	NMS	03/10/25 10:43	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X510203	NMS	03/10/25 10:43	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X510203	NMS	03/10/25 10:43	
EPA 200.7	**Potassium**	0.81	mg/L	0.50	0.18		X510203	NMS	03/10/25 10:43	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X510203	NMS	03/10/25 10:43	
EPA 200.7	**Sodium**	11.6	mg/L	0.50	0.12		X510203	NMS	03/10/25 10:43	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X510203	NMS	03/10/25 10:43	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X510203	NMS	03/10/25 10:43	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	JRR	03/18/25 14:34	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 14:34	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	JRR	03/18/25 14:34	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 14:34	
EPA 200.8	**Uranium**	0.000144	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 14:34	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 12:25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511095	JPM	03/14/25 13:24	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X510185	JPM	03/07/25 11:31	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X510182	JPM	03/07/25 13:38	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 12:44	
SM 2310 B	**Acidity to pH 8.3**	-30.4	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	36.1	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:27	
SM 2320 B	**Bicarbonate**	36.1	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:27	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:27	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:27	
SM 2540 C	**Total Diss. Solids**	114	mg/L	10			X510154	TJL	03/07/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X510155	TJL	03/07/25 14:35	
SM 4500 H B	**pH @17.9°C**	6.7	pH Units				X511021	alkuser	03/11/25 12:27	H5

SVL holds the following certifications:
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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0040**
Reported: 20-Mar-25 10:49

Client Sample ID: **GVMW-26 B**
SVL Sample ID: **X5C0040-02 (Ground Water)**

Sampled: 03-Mar-25 10:20
Received: 05-Mar-25
Sampled By: tr

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.79	mg/L	0.20	0.02		X510148	RS	03/05/25 21:41	
EPA 300.0	**Fluoride**	0.256	mg/L	0.100	0.017		X510148	RS	03/05/25 21:41	
EPA 300.0	**Nitrate as N**	0.653	mg/L	0.050	0.013		X510148	RS	03/05/25 21:41	H3
EPA 300.0	**Nitrate+Nitrite as N**	0.658	mg/L	0.100	0.044		X510148	RS	03/05/25 21:41	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510148	RS	03/05/25 21:41	H3
EPA 300.0	**Sulfate as SO4**	20.0	mg/L	0.30	0.18		X510148	RS	03/05/25 21:41	

Cation/Anion Balance and TDS Ratios

Cation Sum: 1.31 meq/L Anion Sum: 1.25 meq/L C/A Balance: 2.28 % Calculated TDS: 74 TDS/cTDS: 1.55

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0040**
Reported: 20-Mar-25 10:49

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	X510252	13-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X510252	13-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X510252	13-Mar-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X510203	10-Mar-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X510203	10-Mar-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X510203	10-Mar-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X510203	10-Mar-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X510203	10-Mar-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X510203	10-Mar-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X510203	10-Mar-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X510203	10-Mar-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X510203	10-Mar-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X510203	10-Mar-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X510203	10-Mar-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X510203	10-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X510203	10-Mar-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X510203	10-Mar-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X510203	10-Mar-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X510203	10-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X510203	10-Mar-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X510203	10-Mar-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X510203	10-Mar-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X510203	10-Mar-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X510203	10-Mar-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X511108	18-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X510237	17-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X511095	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X510185	07-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X510182	07-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X511001	11-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X510154	07-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X510155	07-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X510148	05-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X510148	05-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X510148	05-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X510148	05-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X510148	05-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X510148	05-Mar-25	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0040**
Reported: 20-Mar-25 10:49

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	19.9	20.0	100	85 - 115	X510252	13-Mar-25	
EPA 200.7	Magnesium	mg/L	19.4	20.0	97.1	85 - 115	X510252	13-Mar-25	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.5	85 - 115	X510252	13-Mar-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.06	1.00	106	85 - 115	X510203	10-Mar-25	
EPA 200.7	Barium	mg/L	1.10	1.00	110	85 - 115	X510203	10-Mar-25	
EPA 200.7	Beryllium	mg/L	1.04	1.00	104	85 - 115	X510203	10-Mar-25	
EPA 200.7	Boron	mg/L	1.05	1.00	105	85 - 115	X510203	10-Mar-25	
EPA 200.7	Cadmium	mg/L	1.08	1.00	108	85 - 115	X510203	10-Mar-25	
EPA 200.7	Calcium	mg/L	21.3	20.0	107	85 - 115	X510203	10-Mar-25	
EPA 200.7	Chromium	mg/L	1.09	1.00	109	85 - 115	X510203	10-Mar-25	
EPA 200.7	Cobalt	mg/L	1.05	1.00	105	85 - 115	X510203	10-Mar-25	
EPA 200.7	Copper	mg/L	1.03	1.00	103	85 - 115	X510203	10-Mar-25	
EPA 200.7	Iron	mg/L	10.9	10.0	109	85 - 115	X510203	10-Mar-25	
EPA 200.7	Lead	mg/L	1.08	1.00	108	85 - 115	X510203	10-Mar-25	
EPA 200.7	Lithium	mg/L	1.02	1.00	102	85 - 115	X510203	10-Mar-25	
EPA 200.7	Magnesium	mg/L	20.7	20.0	104	85 - 115	X510203	10-Mar-25	
EPA 200.7	Manganese	mg/L	1.08	1.00	108	85 - 115	X510203	10-Mar-25	
EPA 200.7	Molybdenum	mg/L	1.08	1.00	108	85 - 115	X510203	10-Mar-25	
EPA 200.7	Nickel	mg/L	1.07	1.00	107	85 - 115	X510203	10-Mar-25	
EPA 200.7	Potassium	mg/L	21.1	20.0	106	85 - 115	X510203	10-Mar-25	
EPA 200.7	Silver	mg/L	0.0523	0.0500	105	85 - 115	X510203	10-Mar-25	
EPA 200.7	Sodium	mg/L	20.4	19.0	107	85 - 115	X510203	10-Mar-25	
EPA 200.7	Vanadium	mg/L	1.07	1.00	107	85 - 115	X510203	10-Mar-25	
EPA 200.7	Zinc	mg/L	1.06	1.00	106	85 - 115	X510203	10-Mar-25	
EPA 200.8	Antimony	mg/L	0.0259	0.0250	104	85 - 115	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0241	0.0250	96.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	0.0250	99.1	85 - 115	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0251	0.0250	100	85 - 115	X511108	18-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00206	0.00200	103	85 - 115	X510237	17-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0983	0.100	98.3	90 - 110	X511095	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X510185	07-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.995	1.00	99.5	90 - 110	X510182	07-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X511001	11-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	702	706	99.5	95.4 - 104	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X511021	11-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X510155	07-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.93	3.00	97.6	90 - 110	X510148	05-Mar-25	
EPA 300.0	Fluoride	mg/L	1.98	2.00	99.1	90 - 110	X510148	05-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.95	2.00	97.4	90 - 110	X510148	05-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.48	4.50	99.5	90 - 110	X510148	05-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X510148	05-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.67	10.0	96.7	90 - 110	X510148	05-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0040**
Reported: 20-Mar-25 10:49

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	X512009 - X5C0040-01	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	36.1	36.1	0.0	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	36.1	36.1	0.0	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511021 - X5C0040-02	11-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	192	193	0.5	10	X510154 - X5C0040-01	07-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	317	321	1.3	10	X510154 - X5C0024-02	07-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	13.0	13.0	0.0	10	X510155 - X5C0024-02	07-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	6.0	6.0	0.0	10	X510155 - X5C0040-01	07-Mar-25	
SM 4500 H B	pH @17.8°C	pH Units	6.7	6.7	0.1	20	X511021 - X5C0040-02	11-Mar-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	78.9	58.2	20.0	103	70 - 130	X510252 - X5C0024-01	13-Mar-25	
EPA 200.7	Calcium	mg/L	64.6	47.1	20.0	88	70 - 130	X510252 - X5C0078-01	13-Mar-25	
EPA 200.7	Magnesium	mg/L	26.4	6.36	20.0	100	70 - 130	X510252 - X5C0024-01	13-Mar-25	
EPA 200.7	Magnesium	mg/L	39.6	20.2	20.0	97.0	70 - 130	X510252 - X5C0078-01	13-Mar-25	
EPA 200.7	Potassium	mg/L	36.8	17.0	20.0	99.0	70 - 130	X510252 - X5C0024-01	13-Mar-25	
EPA 200.7	Potassium	mg/L	20.5	1.11	20.0	96.8	70 - 130	X510252 - X5C0078-01	13-Mar-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.23	1.13	1.00	110	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Barium	mg/L	1.10	0.0161	1.00	108	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Beryllium	mg/L	1.01	<0.00200	1.00	101	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Boron	mg/L	1.09	<0.0400	1.00	106	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Cadmium	mg/L	0.995	0.0116	1.00	98.3	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Calcium	mg/L	430	403	20.0	0.30R>S	70 - 130	X510203 - X5B0330-01	10-Mar-25	M3
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Cobalt	mg/L	1.00	0.0262	1.00	97.4	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Copper	mg/L	1.08	0.0198	1.00	106	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Iron	mg/L	10.8	<0.100	10.0	108	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Lead	mg/L	1.01	<0.0075	1.00	101	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Lithium	mg/L	1.27	0.104	1.00	116	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Magnesium	mg/L	193	168	20.0	122	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Manganese	mg/L	4.78	3.73	1.00	105	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Molybdenum	mg/L	1.08	0.0373	1.00	104	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Nickel	mg/L	1.03	0.0344	1.00	99.7	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Potassium	mg/L	24.0	2.74	20.0	106	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Silver	mg/L	0.0527	<0.0050	0.0500	105	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Sodium	mg/L	84.2	63.2	19.0	110	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Vanadium	mg/L	1.05	<0.0050	1.00	104	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.7	Zinc	mg/L	1.59	0.615	1.00	97.9	70 - 130	X510203 - X5B0330-01	10-Mar-25	
EPA 200.8	Antimony	mg/L	0.0280	<0.00100	0.0250	112	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0273	<0.00100	0.0250	109	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0276	<0.00100	0.0250	110	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0267	<0.00100	0.0250	106	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X511108 - X5C0040-01	18-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0040**
Reported: 20-Mar-25 10:49

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.8	Selenium	mg/L	0.0282	0.00123	0.0250	108	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0257	<0.000200	0.0250	103	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	<0.000200	0.0250	99.3	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0302	0.00329	0.0250	108	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0289	0.00301	0.0250	104	70 - 130	X511108 - X5C0092-01	18-Mar-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X510237 - X5C0040-01	17-Mar-25	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X510237 - X5C0062-01	17-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	<0.0050	0.100	105	79 - 121	X511095 - X5C0029-02	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.453	0.335	0.100	0.30R>S	90 - 110	X510185 - X5C0029-03	07-Mar-25	M4
EPA 335.4	Cyanide (total)	mg/L	4.09	4.09	0.100	0.30R>S	90 - 110	X510185 - X5C0029-04	07-Mar-25	M4
EPA 350.1	Ammonia as N	mg/L	1.26	<0.030	1.00	126	90 - 110	X510182 - X5C0040-01	07-Mar-25	M1
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	106	90 - 110	X510182 - X5C0040-02	07-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0768	<0.0050	0.100	76.8	82 - 118	X511001 - X5B0330-01	11-Mar-25	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.75	1.79	3.00	98.6	90 - 110	X510148 - X5C0040-02	05-Mar-25	
EPA 300.0	Fluoride	mg/L	2.20	0.256	2.00	97.3	90 - 110	X510148 - X5C0040-02	05-Mar-25	
EPA 300.0	Nitrate as N	mg/L	2.60	0.653	2.00	97.4	90 - 110	X510148 - X5C0040-02	05-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	0.658	4.00	97.4	90 - 110	X510148 - X5C0040-02	05-Mar-25	
EPA 300.0	Nitrite as N	mg/L	1.95	<0.050	2.00	97.7	90 - 110	X510148 - X5C0040-02	05-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	29.9	20.0	10.0	99.7	90 - 110	X510148 - X5C0040-02	05-Mar-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	77.3	78.9	20.0	2.0	20	95	X510252 - X5C0024-01	
EPA 200.7	Magnesium	mg/L	25.9	26.4	20.0	1.8	20	97.9	X510252 - X5C0024-01	
EPA 200.7	Potassium	mg/L	36.1	36.8	20.0	1.9	20	95.6	X510252 - X5C0024-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.28	2.23	1.00	1.9	20	114	X510203 - X5B0330-01	
EPA 200.7	Barium	mg/L	1.10	1.10	1.00	0.2	20	108	X510203 - X5B0330-01	
EPA 200.7	Beryllium	mg/L	1.08	1.01	1.00	6.7	20	108	X510203 - X5B0330-01	
EPA 200.7	Boron	mg/L	1.11	1.09	1.00	1.8	20	108	X510203 - X5B0330-01	
EPA 200.7	Cadmium	mg/L	1.07	0.995	1.00	7.4	20	106	X510203 - X5B0330-01	
EPA 200.7	Calcium	mg/L	429	430	20.0	0.1	20	0.30R>S	X510203 - X5B0330-01	M3
EPA 200.7	Chromium	mg/L	1.10	1.04	1.00	6.3	20	110	X510203 - X5B0330-01	
EPA 200.7	Cobalt	mg/L	1.07	1.00	1.00	7.1	20	105	X510203 - X5B0330-01	
EPA 200.7	Copper	mg/L	1.15	1.08	1.00	6.3	20	113	X510203 - X5B0330-01	
EPA 200.7	Iron	mg/L	11.0	10.8	10.0	1.8	20	110	X510203 - X5B0330-01	
EPA 200.7	Lead	mg/L	1.09	1.01	1.00	7.7	20	109	X510203 - X5B0330-01	
EPA 200.7	Lithium	mg/L	1.28	1.27	1.00	1.2	20	118	X510203 - X5B0330-01	
EPA 200.7	Magnesium	mg/L	196	193	20.0	1.4	20	0.30R>S	X510203 - X5B0330-01	M3
EPA 200.7	Manganese	mg/L	4.87	4.78	1.00	1.9	20	114	X510203 - X5B0330-01	
EPA 200.7	Molybdenum	mg/L	1.15	1.08	1.00	6.9	20	112	X510203 - X5B0330-01	
EPA 200.7	Nickel	mg/L	1.10	1.03	1.00	6.9	20	107	X510203 - X5B0330-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0040**
Reported: 20-Mar-25 10:49

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Potassium	mg/L	24.3	24.0	20.0	1.0	20	108	X510203 - X5B0330-01	
EPA 200.7	Silver	mg/L	0.0539	0.0527	0.0500	2.3	20	108	X510203 - X5B0330-01	
EPA 200.7	Sodium	mg/L	84.4	84.2	19.0	0.2	20	111	X510203 - X5B0330-01	
EPA 200.7	Vanadium	mg/L	1.12	1.05	1.00	6.4	20	111	X510203 - X5B0330-01	
EPA 200.7	Zinc	mg/L	1.69	1.59	1.00	6.0	20	108	X510203 - X5B0330-01	
EPA 200.8	Antimony	mg/L	0.0280	0.0280	0.0250	0.1	20	112	X511108 - X5C0040-01	
EPA 200.8	Arsenic	mg/L	0.0269	0.0276	0.0250	2.4	20	108	X511108 - X5C0040-01	
EPA 200.8	Selenium	mg/L	0.0279	0.0277	0.0250	0.5	20	111	X511108 - X5C0040-01	
EPA 200.8	Thallium	mg/L	0.0259	0.0257	0.0250	0.9	20	104	X511108 - X5C0040-01	
EPA 200.8	Uranium	mg/L	0.0303	0.0302	0.0250	0.2	20	108	X511108 - X5C0040-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00204	0.00200	4.4	20	106	X510237 - X5C0040-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.107	0.105	0.100	2.0	11	107	X511095 - X5C0029-02	
EPA 335.4	Cyanide (total)	mg/L	0.478	0.453	0.100	5.3	20	0.30R>S	X510185 - X5C0029-03	M4
EPA 350.1	Ammonia as N	mg/L	1.27	1.26	1.00	0.8	20	127	X510182 - X5C0040-01	M1
OIA 1677	Cyanide (WAD)	mg/L	0.0794	0.0768	0.100	3.3	11	79.4	X511001 - X5B0330-01	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.79	4.75	3.00	0.9	20	100	X510148 - X5C0040-02	
EPA 300.0	Fluoride	mg/L	2.22	2.20	2.00	0.8	20	98.1	X510148 - X5C0040-02	
EPA 300.0	Nitrate as N	mg/L	2.62	2.60	2.00	0.6	20	98.1	X510148 - X5C0040-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.59	4.56	4.00	0.8	20	98.4	X510148 - X5C0040-02	
EPA 300.0	Nitrite as N	mg/L	1.98	1.95	2.00	1.1	20	98.8	X510148 - X5C0040-02	
EPA 300.0	Sulfate as SO4	mg/L	30.1	29.9	10.0	0.6	20	101	X510148 - X5C0040-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0040**
Victor, CO 80860	Reported: 20-Mar-25 10:49

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.
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: **X5C0078**
Victor, CO 80860	Reported: 20-Mar-25 12:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-7A	X5C0078-01	Ground Water	05-Mar-25 10:27	JC	06-Mar-2025	
GVMW-7B	X5C0078-02	Ground Water	05-Mar-25 11:25	JC	06-Mar-2025	
GVMW-22A	X5C0078-03	Ground Water	05-Mar-25 12:55	JC	06-Mar-2025	
GVMW-22B	X5C0078-04	Ground Water	05-Mar-25 12:00	JC	06-Mar-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: X5C0078

The state of origin only accredits for drinking water analyses.

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X5C0078-01 (Ground Water)**

Sampled: 05-Mar-25 10:27
Received: 06-Mar-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**	47.1	mg/L	0.100	0.069		X510252	SJN	03/13/25 13:49	
EPA 200.7	**Magnesium**	20.2	mg/L	0.500	0.090		X510252	SJN	03/13/25 13:49	
EPA 200.7	**Potassium**	1.11	mg/L	0.50	0.18		X510252	SJN	03/13/25 13:49	
SM 2340 B	**Hardness (as CaCO3)**	182	mg/L	2.31	0.543		N/A		03/13/25 13:49	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511066	NMS	03/18/25 08:14	
EPA 200.7	**Barium**	0.194	mg/L	0.0020	0.0019		X511066	NMS	03/18/25 08:14	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511066	NMS	03/18/25 08:14	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511066	NMS	03/18/25 08:14	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511066	NMS	03/18/25 08:14	
EPA 200.7	**Calcium**	42.3	mg/L	0.100	0.069		X511066	NMS	03/18/25 08:14	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511066	NMS	03/18/25 08:14	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511066	NMS	03/18/25 08:14	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511066	NMS	03/18/25 08:14	
EPA 200.7	**Iron**	1.25	mg/L	0.100	0.056		X511066	NMS	03/18/25 08:14	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511066	NMS	03/18/25 08:14	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511066	NMS	03/18/25 08:14	
EPA 200.7	**Magnesium**	18.5	mg/L	0.500	0.090		X511066	NMS	03/18/25 08:14	
EPA 200.7	**Manganese**	0.237	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:14	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:14	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511066	NMS	03/18/25 08:14	
EPA 200.7	**Potassium**	1.11	mg/L	0.50	0.18		X511066	NMS	03/18/25 08:14	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:14	
EPA 200.7	**Sodium**	9.87	mg/L	0.50	0.12		X511066	NMS	03/18/25 08:14	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:14	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511066	NMS	03/18/25 08:14	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	JRR	03/18/25 14:37	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 14:37	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	JRR	03/18/25 14:37	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 14:37	
EPA 200.8	**Uranium**	0.00485	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 14:37	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 12:44	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511096	JPM	03/14/25 14:10	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X511047	JPM	03/12/25 13:13	M1
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X511016	JPM	03/12/25 11:33	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 12:46	
SM 2310 B	**Acidity to pH 8.3**	-175	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	180	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:50	
SM 2320 B	**Bicarbonate**	180	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:50	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:50	
SM 2540 C	**Total Diss. Solids**	267	mg/L	10			X510227	TJL	03/10/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X510228	TJL	03/10/25 12:35	
SM 4500 H B	**pH @18.1°C**	7.6	pH Units				X511021	alkuser	03/11/25 12:50	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: **X5C0078**
Reported: 20-Mar-25 12:41

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X5C0078-01 (Ground Water)**

Sampled: 05-Mar-25 10:27
Received: 06-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	17.1	mg/L	2.00	0.22	10	X510200	RS	03/06/25 20:56	
EPA 300.0	**Fluoride**	0.861	mg/L	0.100	0.017		X510200	RS	03/06/25 20:40	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X510200	RS	03/06/25 20:40	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X510200	RS	03/06/25 20:40	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510200	RS	03/06/25 20:40	
EPA 300.0	**Sulfate as SO4**	24.2	mg/L	0.30	0.18		X510200	RS	03/06/25 20:40	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.16 meq/L Anion Sum: 4.63 meq/L C/A Balance: -5.38 % Calculated TDS: 225 TDS/cTDS: 1.19

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

Dave Tryon
Dave Tryon
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X5C0078-02 (Ground Water)**

Sampled: 05-Mar-25 11:25
Received: 06-Mar-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**	33.1	mg/L	0.100	0.069		X510252	SJN	03/13/25 13:53	
EPA 200.7	**Magnesium**	11.1	mg/L	0.500	0.090		X510252	SJN	03/13/25 13:53	
EPA 200.7	**Potassium**	0.80	mg/L	0.50	0.18		X510252	SJN	03/13/25 13:53	
SM 2340 B	**Hardness (as CaCO3)**	116	mg/L	2.31	0.543		N/A		03/13/25 13:53	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511066	NMS	03/18/25 08:18	
EPA 200.7	**Barium**	0.0285	mg/L	0.0020	0.0019		X511066	NMS	03/18/25 08:18	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511066	NMS	03/18/25 08:18	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511066	NMS	03/18/25 08:18	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511066	NMS	03/18/25 08:18	
EPA 200.7	**Calcium**	29.5	mg/L	0.100	0.069		X511066	NMS	03/18/25 08:18	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511066	NMS	03/18/25 08:18	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511066	NMS	03/18/25 08:18	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511066	NMS	03/18/25 08:18	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X511066	NMS	03/18/25 08:18	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511066	NMS	03/18/25 08:18	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511066	NMS	03/18/25 08:18	
EPA 200.7	**Magnesium**	10.2	mg/L	0.500	0.090		X511066	NMS	03/18/25 08:18	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:18	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:18	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511066	NMS	03/18/25 08:18	
EPA 200.7	**Potassium**	0.79	mg/L	0.50	0.18		X511066	NMS	03/18/25 08:18	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:18	
EPA 200.7	**Sodium**	10.0	mg/L	0.50	0.12		X511066	NMS	03/18/25 08:18	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:18	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511066	NMS	03/18/25 08:18	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	JRR	03/18/25 14:40	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 14:40	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	JRR	03/18/25 14:40	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 14:40	
EPA 200.8	**Uranium**	0.000374	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 14:40	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 12:46	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511096	JPM	03/14/25 14:21	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X511047	JPM	03/12/25 13:15	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X511016	JPM	03/12/25 11:36	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 12:48	
SM 2310 B	**Acidity to pH 8.3**	-68.9	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	60.6	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:55	
SM 2320 B	**Bicarbonate**	60.6	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:55	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:55	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 12:55	
SM 2540 C	**Total Diss. Solids**	223	mg/L	10			X510227	TJL	03/10/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X510228	TJL	03/10/25 12:35	
SM 4500 H B	**pH @18.2°C**	6.7	pH Units				X511021	alkuser	03/11/25 12:55	H5

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X5C0078-02 (Ground Water)**

Sampled: 05-Mar-25 11:25
Received: 06-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	10.6	mg/L	0.20	0.02		X510200	RS	03/06/25 15:29	
EPA 300.0	**Fluoride**	0.346	mg/L	0.100	0.017		X510200	RS	03/06/25 15:29	
EPA 300.0	**Nitrate as N**	0.845	mg/L	0.050	0.013		X510200	RS	03/06/25 15:29	
EPA 300.0	**Nitrate+Nitrite as N**	0.845	mg/L	0.100	0.044		X510200	RS	03/06/25 15:29	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510200	RS	03/06/25 15:29	
EPA 300.0	**Sulfate as SO4**	73.7	mg/L	3.00	1.80	10	X510200	RS	03/06/25 15:45	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.78 meq/L Anion Sum: 3.12 meq/L C/A Balance: -5.81 % Calculated TDS: 177 TDS/cTDS: 1.26

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

Dave Tryon
Dave Tryon
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X5C0078-03 (Ground Water)**

Sampled: 05-Mar-25 12:55
Received: 06-Mar-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**	30.2	mg/L	0.100	0.069		X510252	SJN	03/13/25 13:56	
EPA 200.7	**Magnesium**	11.8	mg/L	0.500	0.090		X510252	SJN	03/13/25 13:56	
EPA 200.7	**Potassium**	1.35	mg/L	0.50	0.18		X510252	SJN	03/13/25 13:56	
SM 2340 B	**Hardness (as CaCO3)**	124	mg/L	2.31	0.543		N/A		03/18/25 08:22	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511066	NMS	03/18/25 08:22	
EPA 200.7	**Barium**	0.100	mg/L	0.0020	0.0019		X511066	NMS	03/18/25 08:22	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511066	NMS	03/18/25 08:22	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511066	NMS	03/18/25 08:22	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511066	NMS	03/18/25 08:22	
EPA 200.7	**Calcium**	27.4	mg/L	0.100	0.069		X511066	NMS	03/18/25 08:22	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511066	NMS	03/18/25 08:22	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511066	NMS	03/18/25 08:22	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511066	NMS	03/18/25 08:22	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X511066	NMS	03/18/25 08:22	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511066	NMS	03/18/25 08:22	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511066	NMS	03/18/25 08:22	
EPA 200.7	**Magnesium**	10.8	mg/L	0.500	0.090		X511066	NMS	03/18/25 08:22	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:22	
EPA 200.7	**Molybdenum**	0.0106	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:22	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511066	NMS	03/18/25 08:22	
EPA 200.7	**Potassium**	1.36	mg/L	0.50	0.18		X511066	NMS	03/18/25 08:22	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:22	
EPA 200.7	**Sodium**	34.2	mg/L	0.50	0.12		X511066	NMS	03/18/25 08:22	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:22	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511066	NMS	03/18/25 08:22	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	JRR	03/18/25 14:43	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 14:43	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	JRR	03/18/25 14:43	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 14:43	
EPA 200.8	**Uranium**	0.00348	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 14:43	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 12:49	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511096	JPM	03/14/25 14:23	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X511047	JPM	03/12/25 13:17	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X511016	JPM	03/12/25 11:38	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 12:50	
SM 2310 B	**Acidity to pH 8.3**	-165	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	164	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:10	
SM 2320 B	**Bicarbonate**	164	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:10	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:10	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:10	
SM 2540 C	**Total Diss. Solids**	241	mg/L	10			X510227	TJL	03/10/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X510228	TJL	03/10/25 12:35	
SM 4500 H B	**pH @18.5°C**	7.9	pH Units				X511021	alkuser	03/11/25 13:10	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: **X5C0078**
Reported: 20-Mar-25 12:41

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X5C0078-03 (Ground Water)**

Sampled: 05-Mar-25 12:55
Received: 06-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.17	mg/L	0.20	0.02		X510200	RS	03/06/25 16:00	
EPA 300.0	**Fluoride**	2.14	mg/L	0.100	0.017		X510200	RS	03/06/25 16:00	
EPA 300.0	**Nitrate as N**	0.063	mg/L	0.050	0.013		X510200	RS	03/06/25 16:00	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X510200	RS	03/06/25 16:00	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510200	RS	03/06/25 16:00	
EPA 300.0	**Sulfate as SO4**	32.4	mg/L	0.30	0.18		X510200	RS	03/06/25 16:00	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.79 meq/L Anion Sum: 4.18 meq/L C/A Balance: -4.92 % Calculated TDS: 213 TDS/cTDS: 1.13

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

Dave Tryon
Dave Tryon
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X5C0078-04 (Ground Water)**

Sampled: 05-Mar-25 12:00
Received: 06-Mar-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**	40.0	mg/L	0.100	0.069		X510252	SJN	03/13/25 14:00	
EPA 200.7	**Magnesium**	11.1	mg/L	0.500	0.090		X510252	SJN	03/13/25 14:00	
EPA 200.7	**Potassium**	1.80	mg/L	0.50	0.18		X510252	SJN	03/13/25 14:00	
SM 2340 B	**Hardness (as CaCO3)**	146	mg/L	2.31	0.543		N/A		03/18/25 08:25	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511066	NMS	03/18/25 08:25	
EPA 200.7	**Barium**	0.0528	mg/L	0.0020	0.0019		X511066	NMS	03/18/25 08:25	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511066	NMS	03/18/25 08:25	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511066	NMS	03/18/25 08:25	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511066	NMS	03/18/25 08:25	
EPA 200.7	**Calcium**	35.7	mg/L	0.100	0.069		X511066	NMS	03/18/25 08:25	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511066	NMS	03/18/25 08:25	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511066	NMS	03/18/25 08:25	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511066	NMS	03/18/25 08:25	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X511066	NMS	03/18/25 08:25	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511066	NMS	03/18/25 08:25	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511066	NMS	03/18/25 08:25	
EPA 200.7	**Magnesium**	9.74	mg/L	0.500	0.090		X511066	NMS	03/18/25 08:25	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:25	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:25	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511066	NMS	03/18/25 08:25	
EPA 200.7	**Potassium**	1.65	mg/L	0.50	0.18		X511066	NMS	03/18/25 08:25	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:25	
EPA 200.7	**Sodium**	23.9	mg/L	0.50	0.12		X511066	NMS	03/18/25 08:25	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:25	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511066	NMS	03/18/25 08:25	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	SMU	03/19/25 15:01	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 15:16	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	SMU	03/19/25 15:01	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 15:16	
EPA 200.8	**Uranium**	0.00131	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 15:16	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 12:51	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511096	JPM	03/14/25 14:25	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X511047	JPM	03/12/25 13:19	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X511016	JPM	03/12/25 11:41	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 12:52	
SM 2310 B	**Acidity to pH 8.3**	-88.2	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	85.3	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:15	
SM 2320 B	**Bicarbonate**	85.3	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:15	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:15	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:15	
SM 2540 C	**Total Diss. Solids**	281	mg/L	10			X510227	TJL	03/10/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X510228	TJL	03/10/25 12:35	
SM 4500 H B	**pH @18.6°C**	7.0	pH Units				X511021	alkuser	03/11/25 13:15	H5

SVL holds the following certifications:
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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X5C0078-04 (Ground Water)**

Sampled: 05-Mar-25 12:00
Received: 06-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.50	mg/L	0.20	0.02		X510200	RS	03/06/25 16:31	
EPA 300.0	**Fluoride**	0.373	mg/L	0.100	0.017		X510200	RS	03/06/25 16:31	
EPA 300.0	**Nitrate as N**	0.090	mg/L	0.050	0.013		X510200	RS	03/06/25 16:31	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X510200	RS	03/06/25 16:31	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510200	RS	03/06/25 16:31	
EPA 300.0	**Sulfate as SO4**	107	mg/L	3.00	1.80	10	X510200	RS	03/06/25 16:47	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.68 meq/L Anion Sum: 4.11 meq/L C/A Balance: -5.54 % Calculated TDS: 238 TDS/cTDS: 1.18

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

Dave Tryon
Dave Tryon
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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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: **X5C0078**
Reported: 20-Mar-25 12:41

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	X510252	13-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X510252	13-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X510252	13-Mar-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X511066	18-Mar-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X511066	18-Mar-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X511066	18-Mar-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X511066	18-Mar-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X511066	18-Mar-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X511066	18-Mar-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X511066	18-Mar-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X511066	18-Mar-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X511066	18-Mar-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X511066	18-Mar-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X511066	18-Mar-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X511066	18-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511066	18-Mar-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X511066	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X511066	18-Mar-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X511066	18-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511066	18-Mar-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X511066	18-Mar-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X511066	18-Mar-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X511066	18-Mar-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X511066	18-Mar-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X511108	18-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X510237	17-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X511096	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X511047	12-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X511016	12-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X511001	11-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X510227	10-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X510228	10-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X510200	06-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X510200	06-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X510200	06-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X510200	06-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X510200	06-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X510200	06-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

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	19.9	20.0	100	85 - 115	X510252	13-Mar-25	
EPA 200.7	Magnesium	mg/L	19.4	20.0	97.1	85 - 115	X510252	13-Mar-25	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.5	85 - 115	X510252	13-Mar-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.901	1.00	90.1	85 - 115	X511066	18-Mar-25	
EPA 200.7	Barium	mg/L	0.978	1.00	97.8	85 - 115	X511066	18-Mar-25	
EPA 200.7	Beryllium	mg/L	0.945	1.00	94.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Boron	mg/L	0.945	1.00	94.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Cadmium	mg/L	0.956	1.00	95.6	85 - 115	X511066	18-Mar-25	
EPA 200.7	Calcium	mg/L	18.7	20.0	93.6	85 - 115	X511066	18-Mar-25	
EPA 200.7	Chromium	mg/L	0.972	1.00	97.2	85 - 115	X511066	18-Mar-25	
EPA 200.7	Cobalt	mg/L	0.931	1.00	93.1	85 - 115	X511066	18-Mar-25	
EPA 200.7	Copper	mg/L	0.937	1.00	93.7	85 - 115	X511066	18-Mar-25	
EPA 200.7	Iron	mg/L	9.59	10.0	95.9	85 - 115	X511066	18-Mar-25	
EPA 200.7	Lead	mg/L	0.958	1.00	95.8	85 - 115	X511066	18-Mar-25	
EPA 200.7	Lithium	mg/L	0.911	1.00	91.1	85 - 115	X511066	18-Mar-25	
EPA 200.7	Magnesium	mg/L	18.0	20.0	90.0	85 - 115	X511066	18-Mar-25	
EPA 200.7	Manganese	mg/L	0.964	1.00	96.4	85 - 115	X511066	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.970	1.00	97.0	85 - 115	X511066	18-Mar-25	
EPA 200.7	Nickel	mg/L	0.945	1.00	94.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Potassium	mg/L	19.2	20.0	96.0	85 - 115	X511066	18-Mar-25	
EPA 200.7	Silver	mg/L	0.0466	0.0500	93.2	85 - 115	X511066	18-Mar-25	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Vanadium	mg/L	0.965	1.00	96.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Zinc	mg/L	0.925	1.00	92.5	85 - 115	X511066	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0259	0.0250	104	85 - 115	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0241	0.0250	96.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	0.0250	99.1	85 - 115	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0251	0.0250	100	85 - 115	X511108	18-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00206	0.00200	103	85 - 115	X510237	17-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0929	0.100	92.9	90 - 110	X511096	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.100	103	90 - 110	X511047	12-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.999	1.00	99.9	90 - 110	X511016	12-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X511001	11-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	702	706	99.5	95.4 - 104	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X511021	11-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X510228	10-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.94	3.00	98.0	90 - 110	X510200	06-Mar-25	
EPA 300.0	Fluoride	mg/L	1.96	2.00	98.1	90 - 110	X510200	06-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.94	2.00	97.0	90 - 110	X510200	06-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.49	4.50	99.8	90 - 110	X510200	06-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.55	2.50	102	90 - 110	X510200	06-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.77	10.0	97.7	90 - 110	X510200	06-Mar-25	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

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	X512009 - X5C0040-01	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	36.1	36.1	0.0	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	36.1	36.1	0.0	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511021 - X5C0040-02	11-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	142	142	0.0	10	X510227 - X5C0034-03	10-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	397	396	0.3	10	X510227 - X5C0082-03	10-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X510228 - X5C0077-01	10-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X510228 - X5C0034-03	10-Mar-25	
SM 4500 H B	pH @17.8°C	pH Units	6.7	6.7	0.1	20	X511021 - X5C0040-02	11-Mar-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	78.9	58.2	20.0	103	70 - 130	X510252 - X5C0024-01	13-Mar-25	
EPA 200.7	Calcium	mg/L	64.6	47.1	20.0	88	70 - 130	X510252 - X5C0078-01	13-Mar-25	
EPA 200.7	Magnesium	mg/L	26.4	6.36	20.0	100	70 - 130	X510252 - X5C0024-01	13-Mar-25	
EPA 200.7	Magnesium	mg/L	39.6	20.2	20.0	97.0	70 - 130	X510252 - X5C0078-01	13-Mar-25	
EPA 200.7	Potassium	mg/L	36.8	17.0	20.0	99.0	70 - 130	X510252 - X5C0024-01	13-Mar-25	
EPA 200.7	Potassium	mg/L	20.5	1.11	20.0	96.8	70 - 130	X510252 - X5C0078-01	13-Mar-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.912	<0.080	1.00	91.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Aluminum	mg/L	0.915	<0.080	1.00	91.5	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Barium	mg/L	1.14	0.194	1.00	94.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Barium	mg/L	1.15	0.158	1.00	98.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Beryllium	mg/L	0.936	<0.00200	1.00	93.6	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Beryllium	mg/L	0.946	<0.00200	1.00	94.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Boron	mg/L	0.946	<0.0400	1.00	93.7	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Boron	mg/L	0.977	<0.0400	1.00	96.7	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Cadmium	mg/L	0.945	<0.0020	1.00	94.5	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Cadmium	mg/L	0.962	<0.0020	1.00	96.2	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Calcium	mg/L	61.0	42.3	20.0	93.6	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Calcium	mg/L	36.0	16.3	20.0	98.2	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Chromium	mg/L	0.959	<0.0060	1.00	95.9	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Chromium	mg/L	0.981	<0.0060	1.00	98.1	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Cobalt	mg/L	0.905	<0.0060	1.00	90.5	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Cobalt	mg/L	0.926	<0.0060	1.00	92.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Copper	mg/L	0.913	<0.0100	1.00	91.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Copper	mg/L	0.933	<0.0100	1.00	93.3	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Iron	mg/L	10.4	1.25	10.0	91.4	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Iron	mg/L	17.0	7.04	10.0	99.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Lead	mg/L	0.943	<0.0075	1.00	94.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Lead	mg/L	0.966	<0.0075	1.00	96.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Lithium	mg/L	0.933	<0.040	1.00	93.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Lithium	mg/L	0.956	<0.040	1.00	95.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Magnesium	mg/L	37.0	18.5	20.0	92.5	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Magnesium	mg/L	28.7	9.42	20.0	96.2	70 - 130	X511066 - X5C0092-03	18-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.18	0.237	1.00	94.7	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Manganese	mg/L	2.83	1.85	1.00	97.1	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.957	<0.0080	1.00	95.7	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.966	<0.0080	1.00	96.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Nickel	mg/L	0.922	<0.0100	1.00	92.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Nickel	mg/L	0.944	<0.0100	1.00	93.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Potassium	mg/L	19.4	1.11	20.0	91.6	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Potassium	mg/L	20.6	1.20	20.0	97.1	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Silver	mg/L	0.0462	<0.0050	0.0500	92.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Silver	mg/L	0.0469	<0.0050	0.0500	93.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Sodium	mg/L	27.1	9.87	19.0	90.9	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Sodium	mg/L	27.1	8.69	19.0	97.0	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Vanadium	mg/L	0.952	<0.0050	1.00	95.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Vanadium	mg/L	0.975	<0.0050	1.00	97.5	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Zinc	mg/L	0.929	<0.0100	1.00	92.9	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Zinc	mg/L	0.949	0.0113	1.00	93.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0280	<0.00100	0.0250	112	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0273	<0.00100	0.0250	109	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0276	<0.00100	0.0250	110	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0267	<0.00100	0.0250	106	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0282	0.00123	0.0250	108	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0257	<0.000200	0.0250	103	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	<0.000200	0.0250	99.3	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0302	0.00329	0.0250	108	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0289	0.00301	0.0250	104	70 - 130	X511108 - X5C0092-01	18-Mar-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X510237 - X5C0040-01	17-Mar-25	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X510237 - X5C0062-01	17-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.108	<0.0050	0.100	108	79 - 121	X511096 - X5C0078-01	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.105	<0.0050	0.100	105	90 - 110	X511047 - X5C0078-02	12-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.111	<0.0050	0.100	111	90 - 110	X511047 - X5C0078-01	12-Mar-25	M1
EPA 350.1	Ammonia as N	mg/L	1.83	0.966	1.00	86.1	90 - 110	X511016 - X5C0034-02	12-Mar-25	M2
EPA 350.1	Ammonia as N	mg/L	1.37	0.404	1.00	96.2	90 - 110	X511016 - X5C0034-01	12-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0768	<0.0050	0.100	76.8	82 - 118	X511001 - X5B0330-01	11-Mar-25	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	2.96	<0.20	3.00	96.0	90 - 110	X510200 - X5C0051-02	06-Mar-25	
EPA 300.0	Chloride	mg/L	3.78	0.91	3.00	95.5	90 - 110	X510200 - X5C0036-02	06-Mar-25	
EPA 300.0	Fluoride	mg/L	1.95	<0.100	2.00	97.3	90 - 110	X510200 - X5C0051-02	06-Mar-25	
EPA 300.0	Fluoride	mg/L	1.96	<0.100	2.00	98.2	90 - 110	X510200 - X5C0036-02	06-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.97	<0.050	2.00	96.5	90 - 110	X510200 - X5C0051-02	06-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.96	<0.050	2.00	96.3	90 - 110	X510200 - X5C0036-02	06-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.96	<0.100	4.00	98.9	90 - 110	X510200 - X5C0051-02	06-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.95	<0.100	4.00	98.7	90 - 110	X510200 - X5C0036-02	06-Mar-25	
EPA 300.0	Nitrite as N	mg/L	1.98	<0.050	2.00	99.2	90 - 110	X510200 - X5C0051-02	06-Mar-25	
EPA 300.0	Nitrite as N	mg/L	1.99	<0.050	2.00	99.3	90 - 110	X510200 - X5C0036-02	06-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.65	<0.30	10.0	96.5	90 - 110	X510200 - X5C0051-02	06-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	11.3	1.66	10.0	96.1	90 - 110	X510200 - X5C0036-02	06-Mar-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	77.3	78.9	20.0	2.0	20	95	X510252 - X5C0024-01	
EPA 200.7	Magnesium	mg/L	25.9	26.4	20.0	1.8	20	97.9	X510252 - X5C0024-01	
EPA 200.7	Potassium	mg/L	36.1	36.8	20.0	1.9	20	95.6	X510252 - X5C0024-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.917	0.912	1.00	0.5	20	91.7	X511066 - X5C0078-01	
EPA 200.7	Barium	mg/L	1.15	1.14	1.00	1.1	20	95.5	X511066 - X5C0078-01	
EPA 200.7	Beryllium	mg/L	0.941	0.936	1.00	0.6	20	94.1	X511066 - X5C0078-01	
EPA 200.7	Boron	mg/L	0.960	0.946	1.00	1.5	20	95.1	X511066 - X5C0078-01	
EPA 200.7	Cadmium	mg/L	0.962	0.945	1.00	1.8	20	96.2	X511066 - X5C0078-01	
EPA 200.7	Calcium	mg/L	61.4	61.0	20.0	0.6	20	95.5	X511066 - X5C0078-01	
EPA 200.7	Chromium	mg/L	0.964	0.959	1.00	0.5	20	96.4	X511066 - X5C0078-01	
EPA 200.7	Cobalt	mg/L	0.920	0.905	1.00	1.7	20	92.0	X511066 - X5C0078-01	
EPA 200.7	Copper	mg/L	0.917	0.913	1.00	0.4	20	91.7	X511066 - X5C0078-01	
EPA 200.7	Iron	mg/L	10.7	10.4	10.0	3.0	20	94.6	X511066 - X5C0078-01	
EPA 200.7	Lead	mg/L	0.964	0.943	1.00	2.1	20	96.4	X511066 - X5C0078-01	
EPA 200.7	Lithium	mg/L	0.948	0.933	1.00	1.5	20	94.8	X511066 - X5C0078-01	
EPA 200.7	Magnesium	mg/L	37.6	37.0	20.0	1.7	20	95.6	X511066 - X5C0078-01	
EPA 200.7	Manganese	mg/L	1.19	1.18	1.00	0.3	20	95.0	X511066 - X5C0078-01	
EPA 200.7	Molybdenum	mg/L	0.972	0.957	1.00	1.6	20	97.2	X511066 - X5C0078-01	
EPA 200.7	Nickel	mg/L	0.940	0.922	1.00	2.0	20	94.0	X511066 - X5C0078-01	
EPA 200.7	Potassium	mg/L	20.1	19.4	20.0	3.2	20	94.8	X511066 - X5C0078-01	
EPA 200.7	Silver	mg/L	0.0469	0.0462	0.0500	1.7	20	93.9	X511066 - X5C0078-01	
EPA 200.7	Sodium	mg/L	27.7	27.1	19.0	1.9	20	93.7	X511066 - X5C0078-01	
EPA 200.7	Vanadium	mg/L	0.956	0.952	1.00	0.4	20	95.6	X511066 - X5C0078-01	
EPA 200.7	Zinc	mg/L	0.944	0.929	1.00	1.6	20	94.4	X511066 - X5C0078-01	
EPA 200.8	Antimony	mg/L	0.0280	0.0280	0.0250	0.1	20	112	X511108 - X5C0040-01	
EPA 200.8	Arsenic	mg/L	0.0269	0.0276	0.0250	2.4	20	108	X511108 - X5C0040-01	
EPA 200.8	Selenium	mg/L	0.0279	0.0277	0.0250	0.5	20	111	X511108 - X5C0040-01	
EPA 200.8	Thallium	mg/L	0.0259	0.0257	0.0250	0.9	20	104	X511108 - X5C0040-01	
EPA 200.8	Uranium	mg/L	0.0303	0.0302	0.0250	0.2	20	108	X511108 - X5C0040-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00204	0.00200	4.4	20	106	X510237 - X5C0040-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.107	0.108	0.100	1.0	11	107	X511096 - X5C0078-01	
EPA 335.4	Cyanide (total)	mg/L	0.105	0.105	0.100	0.4	20	105	X511047 - X5C0078-02	
EPA 350.1	Ammonia as N	mg/L	1.87	1.83	1.00	2.4	20	90.5	X511016 - X5C0034-02	
OIA 1677	Cyanide (WAD)	mg/L	0.0794	0.0768	0.100	3.3	11	79.4	X511001 - X5B0330-01	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.04	2.96	3.00	2.9	20	98.9	X510200 - X5C0051-02	
EPA 300.0	Fluoride	mg/L	2.00	1.95	2.00	2.9	20	100	X510200 - X5C0051-02	
EPA 300.0	Nitrate as N	mg/L	2.02	1.97	2.00	2.5	20	99.0	X510200 - X5C0051-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.04	3.96	4.00	2.1	20	101	X510200 - X5C0051-02	
EPA 300.0	Nitrite as N	mg/L	2.02	1.98	2.00	1.7	20	101	X510200 - X5C0051-02	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0078**
Reported: 20-Mar-25 12:41

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	9.88	9.65	10.0	2.4	20	98.8	X510200 - X5C0051-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0078**
Victor, CO 80860	Reported: 20-Mar-25 12:41

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.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0092**
Victor, CO 80860	Reported: 20-Mar-25 13:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-37B	X5C0092-01	Ground Water	06-Mar-25 09:56	JC	07-Mar-2025	
GVMW-37A	X5C0092-02	Ground Water	06-Mar-25 10:43	JC	07-Mar-2025	
GVMW-4A	X5C0092-03	Ground Water	06-Mar-25 13:05	JC	07-Mar-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: X5C0092

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: **X5C0092**
Reported: 20-Mar-25 13:15

Client Sample ID: **GVMW-37B**
SVL Sample ID: **X5C0092-01 (Ground Water)**

Sampled: 06-Mar-25 09:56
Received: 07-Mar-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**	53.9	mg/L	0.100	0.069		X511040	JRR	03/17/25 12:23	
EPA 200.7	**Magnesium**	8.87	mg/L	0.500	0.090		X511040	JRR	03/17/25 12:23	
EPA 200.7	**Potassium**	1.15	mg/L	0.50	0.18		X511040	JRR	03/17/25 12:23	
SM 2340 B	**Hardness (as CaCO3)**	171	mg/L	2.31	0.543		N/A		03/18/25 08:33	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511066	NMS	03/18/25 08:33	
EPA 200.7	**Barium**	0.0721	mg/L	0.0020	0.0019		X511066	NMS	03/18/25 08:33	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511066	NMS	03/18/25 08:33	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511066	NMS	03/18/25 08:33	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511066	NMS	03/18/25 08:33	
EPA 200.7	**Calcium**	47.6	mg/L	0.100	0.069		X511066	NMS	03/18/25 08:33	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511066	NMS	03/18/25 08:33	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511066	NMS	03/18/25 08:33	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511066	NMS	03/18/25 08:33	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X511066	NMS	03/18/25 08:33	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511066	NMS	03/18/25 08:33	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511066	NMS	03/18/25 08:33	
EPA 200.7	**Magnesium**	7.56	mg/L	0.500	0.090		X511066	NMS	03/18/25 08:33	
EPA 200.7	**Manganese**	0.0115	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:33	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:33	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511066	NMS	03/18/25 08:33	
EPA 200.7	**Potassium**	1.16	mg/L	0.50	0.18		X511066	NMS	03/18/25 08:33	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:33	
EPA 200.7	**Sodium**	27.8	mg/L	0.50	0.12		X511066	NMS	03/18/25 08:33	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:33	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511066	NMS	03/18/25 08:33	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	SMU	03/19/25 15:06	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 15:22	
EPA 200.8	**Selenium**	0.00123	mg/L	0.00100	0.00024		X511108	SMU	03/19/25 15:06	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 15:22	
EPA 200.8	**Uranium**	0.00301	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 15:22	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 12:55	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511096	JPM	03/14/25 14:53	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X511047	JPM	03/12/25 13:45	
EPA 350.1	**Ammonia as N**	0.039	mg/L	0.030	0.013		X511015	JPM	03/12/25 10:28	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 13:05	
SM 2310 B	**Acidity to pH 8.3**	-107	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	111	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:26	
SM 2320 B	**Bicarbonate**	111	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:26	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:26	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:26	
SM 2540 C	**Total Diss. Solids**	282	mg/L	10			X511049	TJL	03/12/25 12:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X511050	TJL	03/12/25 14:45	
SM 4500 H B	**pH @18.8°C**	7.8	pH Units				X511021	alkuser	03/11/25 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: **X5C0092**
Reported: 20-Mar-25 13:15

Client Sample ID: **GVMW-37B**
SVL Sample ID: **X5C0092-01 (Ground Water)**

Sampled: 06-Mar-25 09:56
Received: 07-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.90	mg/L	0.20	0.02		X510230	RS	03/07/25 16:51	
EPA 300.0	**Fluoride**	1.87	mg/L	0.100	0.017		X510230	RS	03/07/25 16:51	
EPA 300.0	**Nitrate as N**	1.14	mg/L	0.050	0.013		X510230	RS	03/07/25 16:51	
EPA 300.0	**Nitrate+Nitrite as N**	1.14	mg/L	0.100	0.044		X510230	RS	03/07/25 16:51	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510230	RS	03/07/25 16:51	
EPA 300.0	**Sulfate as SO4**	105	mg/L	3.00	1.80	10	X510230	RS	03/07/25 17:07	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.25 meq/L Anion Sum: 4.69 meq/L C/A Balance: -4.94 % Calculated TDS: 270 TDS/cTDS: 1.04

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

Dave Tryon
Dave Tryon
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0092**
Reported: 20-Mar-25 13:15

Client Sample ID: **GVMW-37A**
SVL Sample ID: **X5C0092-02 (Ground Water)**

Sampled: 06-Mar-25 10:43
Received: 07-Mar-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**	53.9	mg/L	0.100	0.069		X511040	JRR	03/17/25 12:27	
EPA 200.7	**Magnesium**	12.8	mg/L	0.500	0.090		X511040	JRR	03/17/25 12:27	
EPA 200.7	**Potassium**	3.65	mg/L	0.50	0.18		X511040	JRR	03/17/25 12:27	
SM 2340 B	**Hardness (as CaCO3)**	172	mg/L	2.31	0.543		N/A		03/18/25 08:36	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511066	NMS	03/18/25 08:36	
EPA 200.7	**Barium**	0.0737	mg/L	0.0020	0.0019		X511066	NMS	03/18/25 08:36	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511066	NMS	03/18/25 08:36	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511066	NMS	03/18/25 08:36	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511066	NMS	03/18/25 08:36	
EPA 200.7	**Calcium**	47.8	mg/L	0.100	0.069		X511066	NMS	03/18/25 08:36	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511066	NMS	03/18/25 08:36	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511066	NMS	03/18/25 08:36	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511066	NMS	03/18/25 08:36	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X511066	NMS	03/18/25 08:36	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511066	NMS	03/18/25 08:36	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511066	NMS	03/18/25 08:36	
EPA 200.7	**Magnesium**	10.9	mg/L	0.500	0.090		X511066	NMS	03/18/25 08:36	
EPA 200.7	**Manganese**	0.0875	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:36	
EPA 200.7	**Molybdenum**	0.0207	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:36	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511066	NMS	03/18/25 08:36	
EPA 200.7	**Potassium**	3.38	mg/L	0.50	0.18		X511066	NMS	03/18/25 08:36	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:36	
EPA 200.7	**Sodium**	34.5	mg/L	0.50	0.12		X511066	NMS	03/18/25 08:36	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:36	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511066	NMS	03/18/25 08:36	
EPA 200.8	**Antimony**	0.00141	mg/L	0.00100	0.00072		X511108	SMU	03/19/25 15:11	
EPA 200.8	**Arsenic**	0.00243	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 15:25	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	SMU	03/19/25 15:11	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 15:25	
EPA 200.8	**Uranium**	0.00351	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 15:25	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 12:57	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511096	JPM	03/14/25 14:55	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X511047	JPM	03/12/25 13:47	
EPA 350.1	**Ammonia as N**	0.047	mg/L	0.030	0.013		X511015	JPM	03/12/25 10:31	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 13:07	
SM 2310 B	**Acidity to pH 8.3**	-68.9	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	72.2	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:32	
SM 2320 B	**Bicarbonate**	67.5	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:32	
SM 2320 B	**Carbonate**	4.7	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:32	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:32	
SM 2540 C	**Total Diss. Solids**	360	mg/L	10			X511049	TJL	03/12/25 12:30	
SM 2540 D	**Total Susp. Solids**	7.0	mg/L	5.0			X511050	TJL	03/12/25 14:45	
SM 4500 H B	**pH @19.0°C**	8.6	pH Units				X511021	alkuser	03/11/25 13:32	H5

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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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: **X5C0092**
Reported: 20-Mar-25 13:15

Client Sample ID: **GVMW-37A**
SVL Sample ID: **X5C0092-02 (Ground Water)**

Sampled: 06-Mar-25 10:43
Received: 07-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.65	mg/L	0.20	0.02		X510230	RS	03/07/25 17:54	
EPA 300.0	**Fluoride**	1.37	mg/L	0.100	0.017		X510230	RS	03/07/25 17:54	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X510230	RS	03/07/25 17:54	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X510230	RS	03/07/25 18:10	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510230	RS	03/07/25 17:54	
EPA 300.0	**Sulfate as SO4**	180	mg/L	3.00	1.80	10	X510230	RS	03/07/25 18:10	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.89 meq/L Anion Sum: 5.37 meq/L C/A Balance: -4.67 % Calculated TDS: 329 TDS/cTDS: 1.09

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

Dave Tryon
Dave Tryon
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0092**
Reported: 20-Mar-25 13:15

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X5C0092-03 (Ground Water)**

Sampled: 06-Mar-25 13:05
Received: 07-Mar-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**	18.4	mg/L	0.100	0.069		X511040	JRR	03/17/25 12:30	
EPA 200.7	**Magnesium**	11.3	mg/L	0.500	0.090		X511040	JRR	03/17/25 12:30	
EPA 200.7	**Potassium**	1.27	mg/L	0.50	0.18		X511040	JRR	03/17/25 12:30	
SM 2340 B	**Hardness (as CaCO3)**	84.8	mg/L	2.31	0.543		N/A		03/17/25 12:30	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511066	NMS	03/18/25 08:40	
EPA 200.7	**Barium**	0.158	mg/L	0.0020	0.0019		X511066	NMS	03/18/25 08:40	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511066	NMS	03/18/25 08:40	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511066	NMS	03/18/25 08:40	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511066	NMS	03/18/25 08:40	
EPA 200.7	**Calcium**	16.3	mg/L	0.100	0.069		X511066	NMS	03/18/25 08:40	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511066	NMS	03/18/25 08:40	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511066	NMS	03/18/25 08:40	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511066	NMS	03/18/25 08:40	
EPA 200.7	**Iron**	7.04	mg/L	0.100	0.056		X511066	NMS	03/18/25 08:40	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511066	NMS	03/18/25 08:40	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511066	NMS	03/18/25 08:40	
EPA 200.7	**Magnesium**	9.42	mg/L	0.500	0.090		X511066	NMS	03/18/25 08:40	
EPA 200.7	**Manganese**	1.85	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:40	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:40	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511066	NMS	03/18/25 08:40	
EPA 200.7	**Potassium**	1.20	mg/L	0.50	0.18		X511066	NMS	03/18/25 08:40	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:40	
EPA 200.7	**Sodium**	8.69	mg/L	0.50	0.12		X511066	NMS	03/18/25 08:40	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:40	
EPA 200.7	**Zinc**	0.0113	mg/L	0.0100	0.0054		X511066	NMS	03/18/25 08:40	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	SMU	03/19/25 15:14	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 15:29	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	SMU	03/19/25 15:14	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 15:29	
EPA 200.8	**Uranium**	0.000128	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 15:29	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 13:04	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511096	JPM	03/14/25 14:57	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X511047	JPM	03/12/25 13:49	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X511015	JPM	03/12/25 10:33	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 13:10	
SM 2310 B	**Acidity to pH 8.3**	-59.3	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	58.6	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:38	
SM 2320 B	**Bicarbonate**	58.6	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:38	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:38	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:38	
SM 2540 C	**Total Diss. Solids**	205	mg/L	10			X511049	TJL	03/12/25 12:30	
SM 2540 D	**Total Susp. Solids**	9.0	mg/L	5.0			X511050	TJL	03/12/25 14:45	
SM 4500 H B	**pH @19.1°C**	6.7	pH Units				X511021	alkuser	03/11/25 13:38	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0092**
Reported: 20-Mar-25 13:15

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X5C0092-03 (Ground Water)**

Sampled: 06-Mar-25 13:05
Received: 07-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.79	mg/L	0.20	0.02		X510230	RS	03/07/25 18:26	
EPA 300.0	**Fluoride**	0.119	mg/L	0.100	0.017		X510230	RS	03/07/25 18:26	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X510230	RS	03/07/25 18:26	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X510230	RS	03/07/25 18:26	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510230	RS	03/07/25 18:26	
EPA 300.0	**Sulfate as SO4**	58.3	mg/L	3.00	1.80	10	X510230	RS	03/07/25 18:42	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.33 meq/L Anion Sum: 2.53 meq/L C/A Balance: -4.10 % Calculated TDS: 136 TDS/cTDS: 1.51

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

Dave Tryon
Dave Tryon
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0092**
Reported: 20-Mar-25 13:15

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X511040	17-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511040	17-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511040	17-Mar-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X511066	18-Mar-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X511066	18-Mar-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X511066	18-Mar-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X511066	18-Mar-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X511066	18-Mar-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X511066	18-Mar-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X511066	18-Mar-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X511066	18-Mar-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X511066	18-Mar-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X511066	18-Mar-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X511066	18-Mar-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X511066	18-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511066	18-Mar-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X511066	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X511066	18-Mar-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X511066	18-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511066	18-Mar-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X511066	18-Mar-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X511066	18-Mar-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X511066	18-Mar-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X511066	18-Mar-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X511108	18-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X510237	17-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X511096	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X511047	12-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X511015	12-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X511001	11-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X511049	12-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X511050	12-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X510230	07-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X510230	07-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X510230	07-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X510230	07-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X510230	07-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X510230	07-Mar-25	

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0092**
Reported: 20-Mar-25 13:15

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.4	20.0	97	85 - 115	X511040	17-Mar-25	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.4	85 - 115	X511040	17-Mar-25	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.6	85 - 115	X511040	17-Mar-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.901	1.00	90.1	85 - 115	X511066	18-Mar-25	
EPA 200.7	Barium	mg/L	0.978	1.00	97.8	85 - 115	X511066	18-Mar-25	
EPA 200.7	Beryllium	mg/L	0.945	1.00	94.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Boron	mg/L	0.945	1.00	94.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Cadmium	mg/L	0.956	1.00	95.6	85 - 115	X511066	18-Mar-25	
EPA 200.7	Calcium	mg/L	18.7	20.0	93.6	85 - 115	X511066	18-Mar-25	
EPA 200.7	Chromium	mg/L	0.972	1.00	97.2	85 - 115	X511066	18-Mar-25	
EPA 200.7	Cobalt	mg/L	0.931	1.00	93.1	85 - 115	X511066	18-Mar-25	
EPA 200.7	Copper	mg/L	0.937	1.00	93.7	85 - 115	X511066	18-Mar-25	
EPA 200.7	Iron	mg/L	9.59	10.0	95.9	85 - 115	X511066	18-Mar-25	
EPA 200.7	Lead	mg/L	0.958	1.00	95.8	85 - 115	X511066	18-Mar-25	
EPA 200.7	Lithium	mg/L	0.911	1.00	91.1	85 - 115	X511066	18-Mar-25	
EPA 200.7	Magnesium	mg/L	18.0	20.0	90.0	85 - 115	X511066	18-Mar-25	
EPA 200.7	Manganese	mg/L	0.964	1.00	96.4	85 - 115	X511066	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.970	1.00	97.0	85 - 115	X511066	18-Mar-25	
EPA 200.7	Nickel	mg/L	0.945	1.00	94.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Potassium	mg/L	19.2	20.0	96.0	85 - 115	X511066	18-Mar-25	
EPA 200.7	Silver	mg/L	0.0466	0.0500	93.2	85 - 115	X511066	18-Mar-25	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Vanadium	mg/L	0.965	1.00	96.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Zinc	mg/L	0.925	1.00	92.5	85 - 115	X511066	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0259	0.0250	104	85 - 115	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0241	0.0250	96.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	0.0250	99.1	85 - 115	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0251	0.0250	100	85 - 115	X511108	18-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00206	0.00200	103	85 - 115	X510237	17-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0929	0.100	92.9	90 - 110	X511096	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.100	103	90 - 110	X511047	12-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X511015	12-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X511001	11-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	702	706	99.5	95.4 - 104	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X511021	11-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X511050	12-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.94	3.00	98.0	90 - 110	X510230	07-Mar-25	
EPA 300.0	Fluoride	mg/L	1.95	2.00	97.4	90 - 110	X510230	07-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.92	2.00	96.2	90 - 110	X510230	07-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.45	4.50	99.0	90 - 110	X510230	07-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X510230	07-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.72	10.0	97.2	90 - 110	X510230	07-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0092**
Reported: 20-Mar-25 13:15

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X512009 - X5C0040-01	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	36.1	36.1	0.0	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	36.1	36.1	0.0	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511021 - X5C0040-02	11-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	245	250	2.0	10	X511049 - X5C0099-01	12-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	350	360	2.8	10	X511049 - X5C0092-02	12-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X511050 - X5C0099-01	12-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	7.0	7.0	0.0	10	X511050 - X5C0092-02	12-Mar-25	
SM 4500 H B	pH @17.8°C	pH Units	6.7	6.7	0.1	20	X511021 - X5C0040-02	11-Mar-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	24.4	5.38	20.0	95	70 - 130	X511040 - X5C0089-01	17-Mar-25	
EPA 200.7	Calcium	mg/L	73.1	55.2	20.0	90	70 - 130	X511040 - X5C0091-01	17-Mar-25	
EPA 200.7	Magnesium	mg/L	19.7	<0.500	20.0	96.1	70 - 130	X511040 - X5C0089-01	17-Mar-25	
EPA 200.7	Magnesium	mg/L	29.0	9.10	20.0	99.5	70 - 130	X511040 - X5C0091-01	17-Mar-25	
EPA 200.7	Potassium	mg/L	19.5	<0.50	20.0	95.7	70 - 130	X511040 - X5C0089-01	17-Mar-25	
EPA 200.7	Potassium	mg/L	21.5	1.18	20.0	101	70 - 130	X511040 - X5C0091-01	17-Mar-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.912	<0.080	1.00	91.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Aluminum	mg/L	0.915	<0.080	1.00	91.5	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Barium	mg/L	1.14	0.194	1.00	94.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Barium	mg/L	1.15	0.158	1.00	98.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Beryllium	mg/L	0.936	<0.00200	1.00	93.6	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Beryllium	mg/L	0.946	<0.00200	1.00	94.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Boron	mg/L	0.946	<0.0400	1.00	93.7	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Boron	mg/L	0.977	<0.0400	1.00	96.7	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Cadmium	mg/L	0.945	<0.0020	1.00	94.5	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Cadmium	mg/L	0.962	<0.0020	1.00	96.2	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Calcium	mg/L	61.0	42.3	20.0	93.6	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Calcium	mg/L	36.0	16.3	20.0	98.2	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Chromium	mg/L	0.959	<0.0060	1.00	95.9	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Chromium	mg/L	0.981	<0.0060	1.00	98.1	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Cobalt	mg/L	0.905	<0.0060	1.00	90.5	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Cobalt	mg/L	0.926	<0.0060	1.00	92.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Copper	mg/L	0.913	<0.0100	1.00	91.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Copper	mg/L	0.933	<0.0100	1.00	93.3	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Iron	mg/L	10.4	1.25	10.0	91.4	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Iron	mg/L	17.0	7.04	10.0	99.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Lead	mg/L	0.943	<0.0075	1.00	94.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Lead	mg/L	0.966	<0.0075	1.00	96.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Lithium	mg/L	0.933	<0.040	1.00	93.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Lithium	mg/L	0.956	<0.040	1.00	95.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Magnesium	mg/L	37.0	18.5	20.0	92.5	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Magnesium	mg/L	28.7	9.42	20.0	96.2	70 - 130	X511066 - X5C0092-03	18-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0092**
Reported: 20-Mar-25 13:15

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.18	0.237	1.00	94.7	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Manganese	mg/L	2.83	1.85	1.00	97.1	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.957	<0.0080	1.00	95.7	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.966	<0.0080	1.00	96.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Nickel	mg/L	0.922	<0.0100	1.00	92.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Nickel	mg/L	0.944	<0.0100	1.00	93.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Potassium	mg/L	19.4	1.11	20.0	91.6	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Potassium	mg/L	20.6	1.20	20.0	97.1	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Silver	mg/L	0.0462	<0.0050	0.0500	92.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Silver	mg/L	0.0469	<0.0050	0.0500	93.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Sodium	mg/L	27.1	9.87	19.0	90.9	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Sodium	mg/L	27.1	8.69	19.0	97.0	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Vanadium	mg/L	0.952	<0.0050	1.00	95.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Vanadium	mg/L	0.975	<0.0050	1.00	97.5	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Zinc	mg/L	0.929	<0.0100	1.00	92.9	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Zinc	mg/L	0.949	0.0113	1.00	93.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0280	<0.00100	0.0250	112	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0273	<0.00100	0.0250	109	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0276	<0.00100	0.0250	110	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0267	<0.00100	0.0250	106	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0282	0.00123	0.0250	108	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0257	<0.000200	0.0250	103	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	<0.000200	0.0250	99.3	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0302	0.00329	0.0250	108	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0289	0.00301	0.0250	104	70 - 130	X511108 - X5C0092-01	18-Mar-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X510237 - X5C0040-01	17-Mar-25	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X510237 - X5C0062-01	17-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.108	<0.0050	0.100	108	79 - 121	X511096 - X5C0078-01	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.105	<0.0050	0.100	105	90 - 110	X511047 - X5C0078-02	12-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.111	<0.0050	0.100	111	90 - 110	X511047 - X5C0078-01	12-Mar-25	M1
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	99.0	90 - 110	X511015 - X5C0086-07	12-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.08	<0.030	1.00	106	90 - 110	X511015 - X5C0086-06	12-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0768	<0.0050	0.100	76.8	82 - 118	X511001 - X5B0330-01	11-Mar-25	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.83	4.79	3.00	101	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Chloride	mg/L	14.5	11.9	3.00	0.30R>S	90 - 110	X510230 - X5C0083-06	10-Mar-25	M4
EPA 300.0	Fluoride	mg/L	3.37	1.28	2.00	104	90 - 110	X510230 - X5C0083-06	07-Mar-25	
EPA 300.0	Fluoride	mg/L	2.12	0.119	2.00	100	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Nitrate as N	mg/L	5.71	3.59	2.00	106	90 - 110	X510230 - X5C0083-06	07-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.97	<0.050	2.00	97.7	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	7.83	3.60	4.00	106	90 - 110	X510230 - X5C0083-06	07-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.83	<0.100	4.00	95.7	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.12	<0.050	2.00	106	90 - 110	X510230 - X5C0083-06	07-Mar-25	
EPA 300.0	Nitrite as N	mg/L	1.86	<0.050	2.00	93.1	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	49.4	39.0	10.0	104	90 - 110	X510230 - X5C0083-06	07-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0092**
Reported: 20-Mar-25 13:15

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	68.6	58.3	10.0	103	90 - 110	X510230 - X5C0092-03	07-Mar-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	25.0	24.4	20.0	2.0	20	98	X511040 - X5C0089-01	
EPA 200.7	Magnesium	mg/L	20.1	19.7	20.0	2.1	20	98.2	X511040 - X5C0089-01	
EPA 200.7	Potassium	mg/L	19.9	19.5	20.0	2.2	20	97.8	X511040 - X5C0089-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.917	0.912	1.00	0.5	20	91.7	X511066 - X5C0078-01	
EPA 200.7	Barium	mg/L	1.15	1.14	1.00	1.1	20	95.5	X511066 - X5C0078-01	
EPA 200.7	Beryllium	mg/L	0.941	0.936	1.00	0.6	20	94.1	X511066 - X5C0078-01	
EPA 200.7	Boron	mg/L	0.960	0.946	1.00	1.5	20	95.1	X511066 - X5C0078-01	
EPA 200.7	Cadmium	mg/L	0.962	0.945	1.00	1.8	20	96.2	X511066 - X5C0078-01	
EPA 200.7	Calcium	mg/L	61.4	61.0	20.0	0.6	20	95.5	X511066 - X5C0078-01	
EPA 200.7	Chromium	mg/L	0.964	0.959	1.00	0.5	20	96.4	X511066 - X5C0078-01	
EPA 200.7	Cobalt	mg/L	0.920	0.905	1.00	1.7	20	92.0	X511066 - X5C0078-01	
EPA 200.7	Copper	mg/L	0.917	0.913	1.00	0.4	20	91.7	X511066 - X5C0078-01	
EPA 200.7	Iron	mg/L	10.7	10.4	10.0	3.0	20	94.6	X511066 - X5C0078-01	
EPA 200.7	Lead	mg/L	0.964	0.943	1.00	2.1	20	96.4	X511066 - X5C0078-01	
EPA 200.7	Lithium	mg/L	0.948	0.933	1.00	1.5	20	94.8	X511066 - X5C0078-01	
EPA 200.7	Magnesium	mg/L	37.6	37.0	20.0	1.7	20	95.6	X511066 - X5C0078-01	
EPA 200.7	Manganese	mg/L	1.19	1.18	1.00	0.3	20	95.0	X511066 - X5C0078-01	
EPA 200.7	Molybdenum	mg/L	0.972	0.957	1.00	1.6	20	97.2	X511066 - X5C0078-01	
EPA 200.7	Nickel	mg/L	0.940	0.922	1.00	2.0	20	94.0	X511066 - X5C0078-01	
EPA 200.7	Potassium	mg/L	20.1	19.4	20.0	3.2	20	94.8	X511066 - X5C0078-01	
EPA 200.7	Silver	mg/L	0.0469	0.0462	0.0500	1.7	20	93.9	X511066 - X5C0078-01	
EPA 200.7	Sodium	mg/L	27.7	27.1	19.0	1.9	20	93.7	X511066 - X5C0078-01	
EPA 200.7	Vanadium	mg/L	0.956	0.952	1.00	0.4	20	95.6	X511066 - X5C0078-01	
EPA 200.7	Zinc	mg/L	0.944	0.929	1.00	1.6	20	94.4	X511066 - X5C0078-01	
EPA 200.8	Antimony	mg/L	0.0280	0.0280	0.0250	0.1	20	112	X511108 - X5C0040-01	
EPA 200.8	Arsenic	mg/L	0.0269	0.0276	0.0250	2.4	20	108	X511108 - X5C0040-01	
EPA 200.8	Selenium	mg/L	0.0279	0.0277	0.0250	0.5	20	111	X511108 - X5C0040-01	
EPA 200.8	Thallium	mg/L	0.0259	0.0257	0.0250	0.9	20	104	X511108 - X5C0040-01	
EPA 200.8	Uranium	mg/L	0.0303	0.0302	0.0250	0.2	20	108	X511108 - X5C0040-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00204	0.00200	4.4	20	106	X510237 - X5C0040-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.107	0.108	0.100	1.0	11	107	X511096 - X5C0078-01	
EPA 335.4	Cyanide (total)	mg/L	0.105	0.105	0.100	0.4	20	105	X511047 - X5C0078-02	
EPA 350.1	Ammonia as N	mg/L	1.06	1.02	1.00	4.3	20	103	X511015 - X5C0086-07	
OIA 1677	Cyanide (WAD)	mg/L	0.0794	0.0768	0.100	3.3	11	79.4	X511001 - X5B0330-01	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	14.4	14.5	3.00	0.4	20	0.30R>S	X510230 - X5C0083-06	M4
EPA 300.0	Fluoride	mg/L	3.29	3.37	2.00	2.4	20	100	X510230 - X5C0083-06	
EPA 300.0	Nitrate as N	mg/L	5.64	5.71	2.00	1.3	20	102	X510230 - X5C0083-06	
EPA 300.0	Nitrate+Nitrite as N	mg/L	7.66	7.83	4.00	2.2	20	101	X510230 - X5C0083-06	
EPA 300.0	Nitrite as N	mg/L	2.02	2.12	2.00	4.5	20	101	X510230 - X5C0083-06	

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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: **X5C0092**
Reported: 20-Mar-25 13:15

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	49.1	49.4	10.0	0.6	20	101	X510230 - X5C0083-06	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0092**
Victor, CO 80860	Reported: 20-Mar-25 13:15

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.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
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.
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: **X5C0091**
Victor, CO 80860	Reported: 20-Mar-25 14:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-137G	X5C0091-01	Ground Water	06-Mar-25 09:56	JC	07-Mar-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: X5C0091

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: **X5C0091**
Reported: 20-Mar-25 14:38

Client Sample ID: **GVMW-137G**
SVL Sample ID: **X5C0091-01 (Ground Water)**

Sampled: 06-Mar-25 09:56
Received: 07-Mar-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**	55.2	mg/L	0.100	0.069		X511040	JRR	03/17/25 12:15	
EPA 200.7	**Magnesium**	9.10	mg/L	0.500	0.090		X511040	JRR	03/17/25 12:15	
EPA 200.7	**Potassium**	1.18	mg/L	0.50	0.18		X511040	JRR	03/17/25 12:15	
SM 2340 B	**Hardness (as CaCO3)**	175	mg/L	2.31	0.543		N/A		03/18/25 08:29	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511066	NMS	03/18/25 08:29	
EPA 200.7	**Barium**	0.0708	mg/L	0.0020	0.0019		X511066	NMS	03/18/25 08:29	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511066	NMS	03/18/25 08:29	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511066	NMS	03/18/25 08:29	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511066	NMS	03/18/25 08:29	
EPA 200.7	**Calcium**	47.4	mg/L	0.100	0.069		X511066	NMS	03/18/25 08:29	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511066	NMS	03/18/25 08:29	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511066	NMS	03/18/25 08:29	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511066	NMS	03/18/25 08:29	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X511066	NMS	03/18/25 08:29	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511066	NMS	03/18/25 08:29	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511066	NMS	03/18/25 08:29	
EPA 200.7	**Magnesium**	7.55	mg/L	0.500	0.090		X511066	NMS	03/18/25 08:29	
EPA 200.7	**Manganese**	0.0099	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:29	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511066	NMS	03/18/25 08:29	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511066	NMS	03/18/25 08:29	
EPA 200.7	**Potassium**	1.15	mg/L	0.50	0.18		X511066	NMS	03/18/25 08:29	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:29	
EPA 200.7	**Sodium**	27.6	mg/L	0.50	0.12		X511066	NMS	03/18/25 08:29	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511066	NMS	03/18/25 08:29	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511066	NMS	03/18/25 08:29	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	SMU	03/19/25 15:04	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 15:19	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	SMU	03/19/25 15:04	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 15:19	
EPA 200.8	**Uranium**	0.00296	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 15:19	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X510237	SJN	03/17/25 12:53	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511096	JPM	03/14/25 14:52	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X511047	JPM	03/12/25 13:43	
EPA 350.1	**Ammonia as N**	0.060	mg/L	0.030	0.013		X511015	JPM	03/12/25 10:26	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X511001	JPM	03/11/25 13:03	
SM 2310 B	**Acidity to pH 8.3**	-107	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	111	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:20	
SM 2320 B	**Bicarbonate**	111	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:20	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:20	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511021	alkuser	03/11/25 13:20	
SM 2540 C	**Total Diss. Solids**	331	mg/L	10			X511049	TJL	03/12/25 12:30	
SM 2540 D	**Total Susp. Solids**	7.0	mg/L	5.0			X511050	TJL	03/12/25 14:45	
SM 4500 H B	**pH @18.7°C**	7.8	pH Units				X511021	alkuser	03/11/25 13:20	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: **X5C0091**
Reported: 20-Mar-25 14:38

Client Sample ID: **GVMW-137G**
SVL Sample ID: **X5C0091-01 (Ground Water)**

Sampled: 06-Mar-25 09:56
Received: 07-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.86	mg/L	0.20	0.02		X510230	RS	03/07/25 16:19	
EPA 300.0	**Fluoride**	1.87	mg/L	0.100	0.017		X510230	RS	03/07/25 16:19	
EPA 300.0	**Nitrate as N**	1.14	mg/L	0.050	0.013		X510230	RS	03/07/25 16:19	
EPA 300.0	**Nitrate+Nitrite as N**	1.14	mg/L	0.100	0.044		X510230	RS	03/07/25 16:19	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X510230	RS	03/07/25 16:19	
EPA 300.0	**Sulfate as SO4**	103	mg/L	3.00	1.80	10	X510230	RS	03/07/25 16:35	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.23 meq/L Anion Sum: 4.65 meq/L C/A Balance: -4.69 % Calculated TDS: 269 TDS/cTDS: 1.23

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: **X5C0091**
Reported: 20-Mar-25 14:38

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	X511040	17-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511040	17-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511040	17-Mar-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X511066	18-Mar-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X511066	18-Mar-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X511066	18-Mar-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X511066	18-Mar-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X511066	18-Mar-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X511066	18-Mar-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X511066	18-Mar-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X511066	18-Mar-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X511066	18-Mar-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X511066	18-Mar-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X511066	18-Mar-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X511066	18-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511066	18-Mar-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X511066	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X511066	18-Mar-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X511066	18-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511066	18-Mar-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X511066	18-Mar-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X511066	18-Mar-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X511066	18-Mar-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X511066	18-Mar-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X511108	18-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X510237	17-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X511096	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X511047	12-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X511015	12-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X511001	11-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X511021	12-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X511049	12-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X511050	12-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X510230	07-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X510230	07-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X510230	07-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X510230	07-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X510230	07-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X510230	07-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0091**
Reported: 20-Mar-25 14:38

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.4	20.0	97	85 - 115	X511040	17-Mar-25	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.4	85 - 115	X511040	17-Mar-25	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.6	85 - 115	X511040	17-Mar-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.901	1.00	90.1	85 - 115	X511066	18-Mar-25	
EPA 200.7	Barium	mg/L	0.978	1.00	97.8	85 - 115	X511066	18-Mar-25	
EPA 200.7	Beryllium	mg/L	0.945	1.00	94.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Boron	mg/L	0.945	1.00	94.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Cadmium	mg/L	0.956	1.00	95.6	85 - 115	X511066	18-Mar-25	
EPA 200.7	Calcium	mg/L	18.7	20.0	93.6	85 - 115	X511066	18-Mar-25	
EPA 200.7	Chromium	mg/L	0.972	1.00	97.2	85 - 115	X511066	18-Mar-25	
EPA 200.7	Cobalt	mg/L	0.931	1.00	93.1	85 - 115	X511066	18-Mar-25	
EPA 200.7	Copper	mg/L	0.937	1.00	93.7	85 - 115	X511066	18-Mar-25	
EPA 200.7	Iron	mg/L	9.59	10.0	95.9	85 - 115	X511066	18-Mar-25	
EPA 200.7	Lead	mg/L	0.958	1.00	95.8	85 - 115	X511066	18-Mar-25	
EPA 200.7	Lithium	mg/L	0.911	1.00	91.1	85 - 115	X511066	18-Mar-25	
EPA 200.7	Magnesium	mg/L	18.0	20.0	90.0	85 - 115	X511066	18-Mar-25	
EPA 200.7	Manganese	mg/L	0.964	1.00	96.4	85 - 115	X511066	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.970	1.00	97.0	85 - 115	X511066	18-Mar-25	
EPA 200.7	Nickel	mg/L	0.945	1.00	94.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Potassium	mg/L	19.2	20.0	96.0	85 - 115	X511066	18-Mar-25	
EPA 200.7	Silver	mg/L	0.0466	0.0500	93.2	85 - 115	X511066	18-Mar-25	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Vanadium	mg/L	0.965	1.00	96.5	85 - 115	X511066	18-Mar-25	
EPA 200.7	Zinc	mg/L	0.925	1.00	92.5	85 - 115	X511066	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0259	0.0250	104	85 - 115	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0241	0.0250	96.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	0.0250	99.1	85 - 115	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0251	0.0250	100	85 - 115	X511108	18-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00206	0.00200	103	85 - 115	X510237	17-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0929	0.100	92.9	90 - 110	X511096	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.100	103	90 - 110	X511047	12-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X511015	12-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X511001	11-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	702	706	99.5	95.4 - 104	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X511021	11-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X511050	12-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.94	3.00	98.0	90 - 110	X510230	07-Mar-25	
EPA 300.0	Fluoride	mg/L	1.95	2.00	97.4	90 - 110	X510230	07-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.92	2.00	96.2	90 - 110	X510230	07-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.45	4.50	99.0	90 - 110	X510230	07-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X510230	07-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.72	10.0	97.2	90 - 110	X510230	07-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0091**
Reported: 20-Mar-25 14:38

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	X512009 - X5C0040-01	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	36.1	36.1	0.0	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	36.1	36.1	0.0	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511021 - X5C0040-02	11-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511021 - X5C0040-02	11-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	245	250	2.0	10	X511049 - X5C0099-01	12-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	350	360	2.8	10	X511049 - X5C0092-02	12-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X511050 - X5C0099-01	12-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	7.0	7.0	0.0	10	X511050 - X5C0092-02	12-Mar-25	
SM 4500 H B	pH @17.8°C	pH Units	6.7	6.7	0.1	20	X511021 - X5C0040-02	11-Mar-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	24.4	5.38	20.0	95	70 - 130	X511040 - X5C0089-01	17-Mar-25	
EPA 200.7	Calcium	mg/L	73.1	55.2	20.0	90	70 - 130	X511040 - X5C0091-01	17-Mar-25	
EPA 200.7	Magnesium	mg/L	19.7	<0.500	20.0	96.1	70 - 130	X511040 - X5C0089-01	17-Mar-25	
EPA 200.7	Magnesium	mg/L	29.0	9.10	20.0	99.5	70 - 130	X511040 - X5C0091-01	17-Mar-25	
EPA 200.7	Potassium	mg/L	19.5	<0.50	20.0	95.7	70 - 130	X511040 - X5C0089-01	17-Mar-25	
EPA 200.7	Potassium	mg/L	21.5	1.18	20.0	101	70 - 130	X511040 - X5C0091-01	17-Mar-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.912	<0.080	1.00	91.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Aluminum	mg/L	0.915	<0.080	1.00	91.5	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Barium	mg/L	1.14	0.194	1.00	94.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Barium	mg/L	1.15	0.158	1.00	98.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Beryllium	mg/L	0.936	<0.00200	1.00	93.6	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Beryllium	mg/L	0.946	<0.00200	1.00	94.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Boron	mg/L	0.946	<0.0400	1.00	93.7	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Boron	mg/L	0.977	<0.0400	1.00	96.7	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Cadmium	mg/L	0.945	<0.0020	1.00	94.5	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Cadmium	mg/L	0.962	<0.0020	1.00	96.2	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Calcium	mg/L	61.0	42.3	20.0	93.6	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Calcium	mg/L	36.0	16.3	20.0	98.2	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Chromium	mg/L	0.959	<0.0060	1.00	95.9	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Chromium	mg/L	0.981	<0.0060	1.00	98.1	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Cobalt	mg/L	0.905	<0.0060	1.00	90.5	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Cobalt	mg/L	0.926	<0.0060	1.00	92.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Copper	mg/L	0.913	<0.0100	1.00	91.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Copper	mg/L	0.933	<0.0100	1.00	93.3	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Iron	mg/L	10.4	1.25	10.0	91.4	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Iron	mg/L	17.0	7.04	10.0	99.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Lead	mg/L	0.943	<0.0075	1.00	94.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Lead	mg/L	0.966	<0.0075	1.00	96.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Lithium	mg/L	0.933	<0.040	1.00	93.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Lithium	mg/L	0.956	<0.040	1.00	95.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Magnesium	mg/L	37.0	18.5	20.0	92.5	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Magnesium	mg/L	28.7	9.42	20.0	96.2	70 - 130	X511066 - X5C0092-03	18-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0091**
Reported: 20-Mar-25 14:38

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.18	0.237	1.00	94.7	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Manganese	mg/L	2.83	1.85	1.00	97.1	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.957	<0.0080	1.00	95.7	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.966	<0.0080	1.00	96.6	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Nickel	mg/L	0.922	<0.0100	1.00	92.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Nickel	mg/L	0.944	<0.0100	1.00	93.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Potassium	mg/L	19.4	1.11	20.0	91.6	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Potassium	mg/L	20.6	1.20	20.0	97.1	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Silver	mg/L	0.0462	<0.0050	0.0500	92.3	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Silver	mg/L	0.0469	<0.0050	0.0500	93.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Sodium	mg/L	27.1	9.87	19.0	90.9	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Sodium	mg/L	27.1	8.69	19.0	97.0	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Vanadium	mg/L	0.952	<0.0050	1.00	95.2	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Vanadium	mg/L	0.975	<0.0050	1.00	97.5	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.7	Zinc	mg/L	0.929	<0.0100	1.00	92.9	70 - 130	X511066 - X5C0078-01	18-Mar-25	
EPA 200.7	Zinc	mg/L	0.949	0.0113	1.00	93.8	70 - 130	X511066 - X5C0092-03	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0280	<0.00100	0.0250	112	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0273	<0.00100	0.0250	109	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0276	<0.00100	0.0250	110	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0267	<0.00100	0.0250	106	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0282	0.00123	0.0250	108	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0257	<0.000200	0.0250	103	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	<0.000200	0.0250	99.3	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0302	0.00329	0.0250	108	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0289	0.00301	0.0250	104	70 - 130	X511108 - X5C0092-01	18-Mar-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X510237 - X5C0040-01	17-Mar-25	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X510237 - X5C0062-01	17-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.108	<0.0050	0.100	108	79 - 121	X511096 - X5C0078-01	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.105	<0.0050	0.100	105	90 - 110	X511047 - X5C0078-02	12-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.111	<0.0050	0.100	111	90 - 110	X511047 - X5C0078-01	12-Mar-25	M1
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	99.0	90 - 110	X511015 - X5C0086-07	12-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.08	<0.030	1.00	106	90 - 110	X511015 - X5C0086-06	12-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0768	<0.0050	0.100	76.8	82 - 118	X511001 - X5B0330-01	11-Mar-25	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.83	4.79	3.00	101	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Chloride	mg/L	14.5	11.9	3.00	0.30R>S	90 - 110	X510230 - X5C0083-06	10-Mar-25	M4
EPA 300.0	Fluoride	mg/L	3.37	1.28	2.00	104	90 - 110	X510230 - X5C0083-06	07-Mar-25	
EPA 300.0	Fluoride	mg/L	2.12	0.119	2.00	100	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Nitrate as N	mg/L	5.71	3.59	2.00	106	90 - 110	X510230 - X5C0083-06	07-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.97	<0.050	2.00	97.7	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	7.83	3.60	4.00	106	90 - 110	X510230 - X5C0083-06	07-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.83	<0.100	4.00	95.7	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.12	<0.050	2.00	106	90 - 110	X510230 - X5C0083-06	07-Mar-25	
EPA 300.0	Nitrite as N	mg/L	1.86	<0.050	2.00	93.1	90 - 110	X510230 - X5C0092-03	07-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	49.4	39.0	10.0	104	90 - 110	X510230 - X5C0083-06	07-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0091**
Reported: 20-Mar-25 14:38

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	68.6	58.3	10.0	103	90 - 110	X510230 - X5C0092-03	07-Mar-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	25.0	24.4	20.0	2.0	20	98	X511040 - X5C0089-01	
EPA 200.7	Magnesium	mg/L	20.1	19.7	20.0	2.1	20	98.2	X511040 - X5C0089-01	
EPA 200.7	Potassium	mg/L	19.9	19.5	20.0	2.2	20	97.8	X511040 - X5C0089-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.917	0.912	1.00	0.5	20	91.7	X511066 - X5C0078-01	
EPA 200.7	Barium	mg/L	1.15	1.14	1.00	1.1	20	95.5	X511066 - X5C0078-01	
EPA 200.7	Beryllium	mg/L	0.941	0.936	1.00	0.6	20	94.1	X511066 - X5C0078-01	
EPA 200.7	Boron	mg/L	0.960	0.946	1.00	1.5	20	95.1	X511066 - X5C0078-01	
EPA 200.7	Cadmium	mg/L	0.962	0.945	1.00	1.8	20	96.2	X511066 - X5C0078-01	
EPA 200.7	Calcium	mg/L	61.4	61.0	20.0	0.6	20	95.5	X511066 - X5C0078-01	
EPA 200.7	Chromium	mg/L	0.964	0.959	1.00	0.5	20	96.4	X511066 - X5C0078-01	
EPA 200.7	Cobalt	mg/L	0.920	0.905	1.00	1.7	20	92.0	X511066 - X5C0078-01	
EPA 200.7	Copper	mg/L	0.917	0.913	1.00	0.4	20	91.7	X511066 - X5C0078-01	
EPA 200.7	Iron	mg/L	10.7	10.4	10.0	3.0	20	94.6	X511066 - X5C0078-01	
EPA 200.7	Lead	mg/L	0.964	0.943	1.00	2.1	20	96.4	X511066 - X5C0078-01	
EPA 200.7	Lithium	mg/L	0.948	0.933	1.00	1.5	20	94.8	X511066 - X5C0078-01	
EPA 200.7	Magnesium	mg/L	37.6	37.0	20.0	1.7	20	95.6	X511066 - X5C0078-01	
EPA 200.7	Manganese	mg/L	1.19	1.18	1.00	0.3	20	95.0	X511066 - X5C0078-01	
EPA 200.7	Molybdenum	mg/L	0.972	0.957	1.00	1.6	20	97.2	X511066 - X5C0078-01	
EPA 200.7	Nickel	mg/L	0.940	0.922	1.00	2.0	20	94.0	X511066 - X5C0078-01	
EPA 200.7	Potassium	mg/L	20.1	19.4	20.0	3.2	20	94.8	X511066 - X5C0078-01	
EPA 200.7	Silver	mg/L	0.0469	0.0462	0.0500	1.7	20	93.9	X511066 - X5C0078-01	
EPA 200.7	Sodium	mg/L	27.7	27.1	19.0	1.9	20	93.7	X511066 - X5C0078-01	
EPA 200.7	Vanadium	mg/L	0.956	0.952	1.00	0.4	20	95.6	X511066 - X5C0078-01	
EPA 200.7	Zinc	mg/L	0.944	0.929	1.00	1.6	20	94.4	X511066 - X5C0078-01	
EPA 200.8	Antimony	mg/L	0.0280	0.0280	0.0250	0.1	20	112	X511108 - X5C0040-01	
EPA 200.8	Arsenic	mg/L	0.0269	0.0276	0.0250	2.4	20	108	X511108 - X5C0040-01	
EPA 200.8	Selenium	mg/L	0.0279	0.0277	0.0250	0.5	20	111	X511108 - X5C0040-01	
EPA 200.8	Thallium	mg/L	0.0259	0.0257	0.0250	0.9	20	104	X511108 - X5C0040-01	
EPA 200.8	Uranium	mg/L	0.0303	0.0302	0.0250	0.2	20	108	X511108 - X5C0040-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00204	0.00200	4.4	20	106	X510237 - X5C0040-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.107	0.108	0.100	1.0	11	107	X511096 - X5C0078-01	
EPA 335.4	Cyanide (total)	mg/L	0.105	0.105	0.100	0.4	20	105	X511047 - X5C0078-02	
EPA 350.1	Ammonia as N	mg/L	1.06	1.02	1.00	4.3	20	103	X511015 - X5C0086-07	
OIA 1677	Cyanide (WAD)	mg/L	0.0794	0.0768	0.100	3.3	11	79.4	X511001 - X5B0330-01	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	14.4	14.5	3.00	0.4	20	0.30R>S	X510230 - X5C0083-06	M4
EPA 300.0	Fluoride	mg/L	3.29	3.37	2.00	2.4	20	100	X510230 - X5C0083-06	
EPA 300.0	Nitrate as N	mg/L	5.64	5.71	2.00	1.3	20	102	X510230 - X5C0083-06	
EPA 300.0	Nitrate+Nitrite as N	mg/L	7.66	7.83	4.00	2.2	20	101	X510230 - X5C0083-06	
EPA 300.0	Nitrite as N	mg/L	2.02	2.12	2.00	4.5	20	101	X510230 - X5C0083-06	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0091**
Reported: 20-Mar-25 14:38

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	49.1	49.4	10.0	0.6	20	101	X510230 - X5C0083-06	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0091**
Victor, CO 80860	Reported: 20-Mar-25 14:38

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.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
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.
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: **X5C0117**
Victor, CO 80860	Reported: 25-Mar-25 12:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-15A	X5C0117-01	Ground Water	10-Mar-25 11:25	TR	11-Mar-2025	
GVMW-15B	X5C0117-02	Ground Water	10-Mar-25 13:15	TR	11-Mar-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: X5C0117

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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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0117**
Reported: 25-Mar-25 12:42

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X5C0117-01 (Ground Water)**

Sampled: 10-Mar-25 11:25
Received: 11-Mar-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**	20.9	mg/L	0.100	0.069		X511128	JRR	03/17/25 13:05	
EPA 200.7	**Magnesium**	19.0	mg/L	0.500	0.090		X511128	JRR	03/17/25 13:05	
EPA 200.7	**Potassium**	1.92	mg/L	0.50	0.18		X511128	JRR	03/17/25 13:05	
SM 2340 B	**Hardness (as CaCO3)**	130	mg/L	2.31	0.543		N/A		03/20/25 11:25	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Barium**	0.0501	mg/L	0.0020	0.0019		X511227	SJN	03/20/25 11:25	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511227	SJN	03/20/25 11:25	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511227	SJN	03/20/25 11:25	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Calcium**	18.4	mg/L	0.100	0.069		X511227	SJN	03/20/25 11:25	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Cobalt**	0.0298	mg/L	0.0060	0.0046		X511227	SJN	03/20/25 11:25	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Iron**	28.8	mg/L	0.100	0.056		X511227	SJN	03/20/25 11:25	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511227	SJN	03/20/25 11:25	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Magnesium**	15.5	mg/L	0.500	0.090		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Manganese**	1.80	mg/L	0.0080	0.0034		X511227	SJN	03/20/25 11:25	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Nickel**	0.0570	mg/L	0.0100	0.0048		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Potassium**	1.63	mg/L	0.50	0.18		X511227	SJN	03/20/25 11:25	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Sodium**	13.2	mg/L	0.50	0.12		X511227	SJN	03/20/25 11:25	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511227	SJN	03/20/25 11:25	
EPA 200.7	**Zinc**	0.263	mg/L	0.0100	0.0054		X511227	SJN	03/20/25 11:25	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	SMU	03/19/25 15:24	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 15:41	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	SMU	03/19/25 15:24	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 15:41	
EPA 200.8	**Uranium**	0.000104	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 15:41	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X511242	SJN	03/24/25 17:02	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511095	JPM	03/14/25 13:52	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X512005	DD	03/18/25 14:44	
EPA 350.1	**Ammonia as N**	0.046	mg/L	0.030	0.013		X511156	DD	03/19/25 17:17	
OIA 1677	**Cyanide (WAD)**	0.0054	mg/L	0.0050	0.0010		X512153	JPM	03/24/25 11:01	
SM 2310 B	**Acidity to pH 8.3**	-11.1	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	**Total Alkalinity**	6.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 14:49	
SM 2320 B	**Bicarbonate**	6.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 14:49	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 14:49	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 14:49	
SM 2540 C	**Total Diss. Solids**	300	mg/L	10			X511101	TJL	03/13/25 13:25	
SM 2540 D	**Total Susp. Solids**	38.0	mg/L	5.0			X511102	TJL	03/13/25 14:00	
SM 4500 H B	**pH @17.8°C**	5.8	pH Units				X511219	MWD	03/14/25 14:49	H5

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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: **X5C0117**
Reported: 25-Mar-25 12:42

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X5C0117-01 (Ground Water)**

Sampled: 10-Mar-25 11:25
Received: 11-Mar-25
Sampled By: TR

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		X511070	RS	03/11/25 13:31	
EPA 300.0	**Fluoride**	0.275	mg/L	0.100	0.017		X511070	RS	03/11/25 13:31	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X511070	RS	03/11/25 13:31	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X511070	RS	03/11/25 13:31	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X511070	RS	03/11/25 13:31	
EPA 300.0	**Sulfate as SO4**	189	mg/L	3.00	1.80	10	X511070	RS	03/11/25 13:46	M4
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.93 meq/L Anion Sum: 4.11 meq/L C/A Balance: -2.32 % Calculated TDS: 246 TDS/cTDS: 1.22

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: **X5C0117**
Reported: 25-Mar-25 12:42

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X5C0117-02 (Ground Water)**

Sampled: 10-Mar-25 13:15
Received: 11-Mar-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**	40.3	mg/L	0.100	0.069		X511128	JRR	03/17/25 13:16	
EPA 200.7	**Magnesium**	23.1	mg/L	0.500	0.090		X511128	JRR	03/17/25 13:16	
EPA 200.7	**Potassium**	2.18	mg/L	0.50	0.18		X511128	JRR	03/17/25 13:16	
SM 2340 B	**Hardness (as CaCO3)**	196	mg/L	2.31	0.543		N/A		03/20/25 11:29	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.240	mg/L	0.080	0.054		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Barium**	0.0157	mg/L	0.0020	0.0019		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Beryllium**	0.0238	mg/L	0.00200	0.00080		X511227	SJN	03/20/25 11:29	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511227	SJN	03/20/25 11:29	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Calcium**	35.8	mg/L	0.100	0.069		X511227	SJN	03/20/25 11:29	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Cobalt**	0.0543	mg/L	0.0060	0.0046		X511227	SJN	03/20/25 11:29	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Iron**	20.7	mg/L	0.100	0.056		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Lead**	0.0390	mg/L	0.0075	0.0049		X511227	SJN	03/20/25 11:29	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Magnesium**	19.1	mg/L	0.500	0.090		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Manganese**	1.25	mg/L	0.0080	0.0034		X511227	SJN	03/20/25 11:29	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Nickel**	0.0986	mg/L	0.0100	0.0048		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Potassium**	1.84	mg/L	0.50	0.18		X511227	SJN	03/20/25 11:29	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Sodium**	12.3	mg/L	0.50	0.12		X511227	SJN	03/20/25 11:29	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511227	SJN	03/20/25 11:29	
EPA 200.7	**Zinc**	0.983	mg/L	0.0100	0.0054		X511227	SJN	03/20/25 11:29	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X511108	SMU	03/19/25 15:30	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X511108	JRR	03/18/25 15:44	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X511108	SMU	03/19/25 15:30	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X511108	JRR	03/18/25 15:44	
EPA 200.8	**Uranium**	0.00282	mg/L	0.000100	0.000052		X511108	JRR	03/18/25 15:44	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X511242	SJN	03/24/25 17:04	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X511095	JPM	03/14/25 13:54	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X512005	DD	03/18/25 14:47	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X511156	DD	03/19/25 17:20	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X512153	JPM	03/24/25 11:04	
SM 2310 B	**Acidity to pH 8.3**	46.7	mg/L as CaCO3	10.0			X512009	MWD	03/17/25 12:35	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 14:53	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 14:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 14:53	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 14:53	
SM 2540 C	**Total Diss. Solids**	421	mg/L	10			X511101	TJL	03/13/25 13:25	
SM 2540 D	**Total Susp. Solids**	10.0	mg/L	5.0			X511102	TJL	03/13/25 14:00	
SM 4500 H B	**pH @17.4°C**	4.3	pH Units				X511219	MWD	03/14/25 14:53	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0117**
Reported: 25-Mar-25 12:42

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X5C0117-02 (Ground Water)**

Sampled: 10-Mar-25 13:15
Received: 11-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.51	mg/L	0.20	0.02		X511070	RS	03/11/25 15:35	
EPA 300.0	**Fluoride**	0.344	mg/L	0.100	0.017		X511070	RS	03/11/25 15:35	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X511070	RS	03/11/25 15:35	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X511070	RS	03/11/25 15:35	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X511070	RS	03/11/25 15:35	
EPA 300.0	**Sulfate as SO4**	260	mg/L	3.00	1.80	10	X511070	RS	03/11/25 15:51	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.87 meq/L Anion Sum: 5.50 meq/L C/A Balance: -6.00 % Calculated TDS: 335 TDS/cTDS: 1.26

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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: **X5C0117**
Reported: 25-Mar-25 12:42

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	X511128	17-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511128	17-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511128	17-Mar-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X511227	20-Mar-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X511227	20-Mar-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X511227	20-Mar-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X511227	20-Mar-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X511227	20-Mar-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X511227	20-Mar-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X511227	20-Mar-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X511227	20-Mar-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X511227	20-Mar-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X511227	20-Mar-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X511227	20-Mar-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X511227	20-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511227	20-Mar-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X511227	20-Mar-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X511227	20-Mar-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X511227	20-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511227	20-Mar-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X511227	20-Mar-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X511227	20-Mar-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X511227	20-Mar-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X511227	20-Mar-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X511108	18-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X511242	24-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X511095	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X512005	18-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X511156	19-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X511101	13-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X511102	13-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X511070	11-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X511070	11-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X511070	11-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X511070	11-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X511070	11-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X511070	11-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0117**
Reported: 25-Mar-25 12:42

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	20.3	20.0	102	85 - 115	X511128	17-Mar-25	
EPA 200.7	Magnesium	mg/L	20.5	20.0	102	85 - 115	X511128	17-Mar-25	
EPA 200.7	Potassium	mg/L	20.4	20.0	102	85 - 115	X511128	17-Mar-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.946	1.00	94.6	85 - 115	X511227	20-Mar-25	
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X511227	20-Mar-25	
EPA 200.7	Beryllium	mg/L	0.979	1.00	97.9	85 - 115	X511227	20-Mar-25	
EPA 200.7	Boron	mg/L	0.987	1.00	98.7	85 - 115	X511227	20-Mar-25	
EPA 200.7	Cadmium	mg/L	1.01	1.00	101	85 - 115	X511227	20-Mar-25	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.5	85 - 115	X511227	20-Mar-25	
EPA 200.7	Chromium	mg/L	1.03	1.00	103	85 - 115	X511227	20-Mar-25	
EPA 200.7	Cobalt	mg/L	0.979	1.00	97.9	85 - 115	X511227	20-Mar-25	
EPA 200.7	Copper	mg/L	0.985	1.00	98.5	85 - 115	X511227	20-Mar-25	
EPA 200.7	Iron	mg/L	10.0	10.0	100	85 - 115	X511227	20-Mar-25	
EPA 200.7	Lead	mg/L	1.01	1.00	101	85 - 115	X511227	20-Mar-25	
EPA 200.7	Lithium	mg/L	0.941	1.00	94.1	85 - 115	X511227	20-Mar-25	
EPA 200.7	Magnesium	mg/L	18.6	20.0	92.9	85 - 115	X511227	20-Mar-25	
EPA 200.7	Manganese	mg/L	1.01	1.00	101	85 - 115	X511227	20-Mar-25	
EPA 200.7	Molybdenum	mg/L	1.02	1.00	102	85 - 115	X511227	20-Mar-25	
EPA 200.7	Nickel	mg/L	1.00	1.00	100	85 - 115	X511227	20-Mar-25	
EPA 200.7	Potassium	mg/L	19.8	20.0	99.1	85 - 115	X511227	20-Mar-25	
EPA 200.7	Silver	mg/L	0.0465	0.0500	93.1	85 - 115	X511227	20-Mar-25	
EPA 200.7	Sodium	mg/L	18.5	19.0	97.4	85 - 115	X511227	20-Mar-25	
EPA 200.7	Vanadium	mg/L	1.02	1.00	102	85 - 115	X511227	20-Mar-25	
EPA 200.7	Zinc	mg/L	0.957	1.00	95.7	85 - 115	X511227	20-Mar-25	
EPA 200.8	Antimony	mg/L	0.0259	0.0250	104	85 - 115	X511108	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0241	0.0250	96.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.6	85 - 115	X511108	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	0.0250	99.1	85 - 115	X511108	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0251	0.0250	100	85 - 115	X511108	18-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00205	0.00200	103	85 - 115	X511242	24-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0983	0.100	98.3	90 - 110	X511095	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.0907	0.100	90.7	90 - 110	X512005	18-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.972	1.00	97.2	90 - 110	X511156	19-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.105	0.100	105	90 - 110	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	702	706	99.5	95.4 - 104	X512009	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.70	9.93	97.7	94 - 106	X511219	14-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	94 - 106	X511219	14-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	401	397	101	94 - 106	X511219	14-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X511102	13-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.3	90 - 110	X511070	11-Mar-25	
EPA 300.0	Fluoride	mg/L	2.00	2.00	99.9	90 - 110	X511070	11-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.97	2.00	98.4	90 - 110	X511070	11-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.54	4.50	101	90 - 110	X511070	11-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.57	2.50	103	90 - 110	X511070	11-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.83	10.0	98.3	90 - 110	X511070	11-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0117**
Reported: 25-Mar-25 12:42

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	X512009 - X5C0040-01	17-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	76.0	77.2	1.6	20	X511219 - X5C0118-01	14-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	76.0	77.2	1.6	20	X511219 - X5C0118-01	14-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511219 - X5C0118-01	14-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511219 - X5C0118-01	14-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	164	165	0.6	10	X511101 - X5C0132-04	13-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	419	421	0.5	10	X511101 - X5C0117-02	13-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	0.0	10	X511102 - X5C0117-02	13-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X511102 - X5C0154-01	13-Mar-25	
SM 4500 H B	pH @17.4°C	pH Units	6.1	6.2	1.1	20	X511219 - X5C0118-01	14-Mar-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	41.1	20.9	20.0	101	70 - 130	X511128 - X5C0117-01	17-Mar-25	
EPA 200.7	Magnesium	mg/L	39.5	19.0	20.0	103	70 - 130	X511128 - X5C0117-01	17-Mar-25	
EPA 200.7	Potassium	mg/L	22.4	1.92	20.0	102	70 - 130	X511128 - X5C0117-01	17-Mar-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.866	<0.080	1.00	86.6	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Aluminum	mg/L	0.859	<0.080	1.00	85.9	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Barium	mg/L	0.976	0.0198	1.00	95.6	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Barium	mg/L	1.00	0.0501	1.00	95.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Beryllium	mg/L	0.909	<0.00200	1.00	90.9	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Beryllium	mg/L	0.876	<0.00200	1.00	87.6	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Boron	mg/L	1.01	0.0696	1.00	93.8	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Boron	mg/L	0.937	<0.0400	1.00	92.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Cadmium	mg/L	0.932	<0.0020	1.00	93.2	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Cadmium	mg/L	0.921	<0.0020	1.00	92.1	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Calcium	mg/L	65.1	46.5	20.0	93.0	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Calcium	mg/L	37.0	18.4	20.0	92.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Chromium	mg/L	0.945	<0.0060	1.00	94.5	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Chromium	mg/L	0.927	<0.0060	1.00	92.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Cobalt	mg/L	0.894	<0.0060	1.00	89.4	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Cobalt	mg/L	0.907	0.0298	1.00	87.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Copper	mg/L	0.908	<0.0100	1.00	90.8	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Copper	mg/L	0.893	<0.0100	1.00	89.3	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Iron	mg/L	9.37	<0.100	10.0	93.7	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Iron	mg/L	38.3	28.8	10.0	94.9	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Lead	mg/L	0.933	<0.0075	1.00	93.3	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Lead	mg/L	0.918	<0.0075	1.00	91.8	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Lithium	mg/L	0.986	0.044	1.00	94.1	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Lithium	mg/L	0.901	<0.040	1.00	90.1	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Magnesium	mg/L	24.1	5.60	20.0	92.3	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Magnesium	mg/L	34.0	15.5	20.0	92.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Manganese	mg/L	0.941	<0.0080	1.00	94.1	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Manganese	mg/L	2.74	1.80	1.00	93.8	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.938	<0.0080	1.00	93.8	70 - 130	X511227 - X5C0102-02	20-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0117**
Reported: 25-Mar-25 12:42

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	Molybdenum	mg/L	0.921	<0.0080	1.00	92.1	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Nickel	mg/L	0.910	<0.0100	1.00	91.0	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Nickel	mg/L	0.950	0.0570	1.00	89.3	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Potassium	mg/L	21.2	2.64	20.0	92.9	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Potassium	mg/L	20.2	1.63	20.0	92.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Silver	mg/L	0.0446	<0.0050	0.0500	89.2	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Silver	mg/L	0.0437	<0.0050	0.0500	87.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Sodium	mg/L	64.1	47.0	19.0	90.3	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Sodium	mg/L	30.4	13.2	19.0	90.3	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Vanadium	mg/L	0.946	0.0082	1.00	93.8	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Vanadium	mg/L	0.924	<0.0050	1.00	92.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Zinc	mg/L	0.906	<0.0100	1.00	90.6	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Zinc	mg/L	1.14	0.263	1.00	87.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.8	Antimony	mg/L	0.0280	<0.00100	0.0250	112	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Antimony	mg/L	0.0273	<0.00100	0.0250	109	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0276	<0.00100	0.0250	110	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0267	<0.00100	0.0250	106	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Selenium	mg/L	0.0282	0.00123	0.0250	108	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0257	<0.000200	0.0250	103	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Thallium	mg/L	0.0248	<0.000200	0.0250	99.3	70 - 130	X511108 - X5C0092-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0302	0.00329	0.0250	108	70 - 130	X511108 - X5C0040-01	18-Mar-25	
EPA 200.8	Uranium	mg/L	0.0289	0.00301	0.0250	104	70 - 130	X511108 - X5C0092-01	18-Mar-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X511242 - X5C0117-01	24-Mar-25	
EPA 245.1	Mercury	mg/L	0.00206	<0.000200	0.00200	103	70 - 130	X511242 - X5C0190-01	24-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	<0.0050	0.100	105	79 - 121	X511095 - X5C0029-02	14-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.0900	<0.0050	0.100	90.0	90 - 110	X512005 - X5C0117-02	18-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.0952	<0.0050	0.100	95.2	90 - 110	X512005 - X5C0117-01	18-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.07	0.046	1.00	103	90 - 110	X511156 - X5C0117-01	19-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.993	<0.030	1.00	98.0	90 - 110	X511156 - X5C0117-02	19-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0968	<0.0050	0.100	96.8	82 - 118	X512153 - X5C0117-02	24-Mar-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.36	1.50	3.00	95.5	90 - 110	X511070 - X5C0117-01	11-Mar-25	
EPA 300.0	Fluoride	mg/L	2.18	0.275	2.00	95.3	90 - 110	X511070 - X5C0117-01	11-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.87	<0.050	2.00	93.6	90 - 110	X511070 - X5C0117-01	11-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.85	<0.100	4.00	96.3	90 - 110	X511070 - X5C0117-01	11-Mar-25	
EPA 300.0	Nitrite as N	mg/L	1.98	<0.050	2.00	99.0	90 - 110	X511070 - X5C0117-01	11-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	194	189	10.0	0.30R>S	90 - 110	X511070 - X5C0117-01	11-Mar-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	41.2	41.1	20.0	0.3	20	102	X511128 - X5C0117-01	
EPA 200.7	Magnesium	mg/L	39.8	39.5	20.0	0.8	20	104	X511128 - X5C0117-01	
EPA 200.7	Potassium	mg/L	22.7	22.4	20.0	1.2	20	104	X511128 - X5C0117-01	

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: **X5C0117**
Reported: 25-Mar-25 12:42

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)										
EPA 200.7	Aluminum	mg/L	0.872	0.866	1.00	0.8	20	87.2	X511227 - X5C0102-02	
EPA 200.7	Barium	mg/L	0.977	0.976	1.00	0.1	20	95.7	X511227 - X5C0102-02	
EPA 200.7	Beryllium	mg/L	0.903	0.909	1.00	0.7	20	90.3	X511227 - X5C0102-02	
EPA 200.7	Boron	mg/L	1.01	1.01	1.00	0.6	20	94.4	X511227 - X5C0102-02	
EPA 200.7	Cadmium	mg/L	0.942	0.932	1.00	1.1	20	94.2	X511227 - X5C0102-02	
EPA 200.7	Calcium	mg/L	64.8	65.1	20.0	0.5	20	91.5	X511227 - X5C0102-02	
EPA 200.7	Chromium	mg/L	0.952	0.945	1.00	0.7	20	95.2	X511227 - X5C0102-02	
EPA 200.7	Cobalt	mg/L	0.904	0.894	1.00	1.2	20	90.4	X511227 - X5C0102-02	
EPA 200.7	Copper	mg/L	0.911	0.908	1.00	0.4	20	91.1	X511227 - X5C0102-02	
EPA 200.7	Iron	mg/L	9.29	9.37	10.0	0.8	20	92.9	X511227 - X5C0102-02	
EPA 200.7	Lead	mg/L	0.944	0.933	1.00	1.1	20	94.4	X511227 - X5C0102-02	
EPA 200.7	Lithium	mg/L	0.980	0.986	1.00	0.6	20	93.5	X511227 - X5C0102-02	
EPA 200.7	Magnesium	mg/L	23.8	24.1	20.0	1.2	20	90.8	X511227 - X5C0102-02	
EPA 200.7	Manganese	mg/L	0.936	0.941	1.00	0.6	20	93.6	X511227 - X5C0102-02	
EPA 200.7	Molybdenum	mg/L	0.949	0.938	1.00	1.1	20	94.9	X511227 - X5C0102-02	
EPA 200.7	Nickel	mg/L	0.921	0.910	1.00	1.2	20	92.1	X511227 - X5C0102-02	
EPA 200.7	Potassium	mg/L	21.0	21.2	20.0	1.2	20	91.7	X511227 - X5C0102-02	
EPA 200.7	Silver	mg/L	0.0448	0.0446	0.0500	0.4	20	89.6	X511227 - X5C0102-02	
EPA 200.7	Sodium	mg/L	63.9	64.1	19.0	0.4	20	88.9	X511227 - X5C0102-02	
EPA 200.7	Vanadium	mg/L	0.952	0.946	1.00	0.6	20	94.4	X511227 - X5C0102-02	
EPA 200.7	Zinc	mg/L	0.916	0.906	1.00	1.1	20	91.6	X511227 - X5C0102-02	
EPA 200.8	Antimony	mg/L	0.0280	0.0280	0.0250	0.1	20	112	X511108 - X5C0040-01	
EPA 200.8	Arsenic	mg/L	0.0269	0.0276	0.0250	2.4	20	108	X511108 - X5C0040-01	
EPA 200.8	Selenium	mg/L	0.0279	0.0277	0.0250	0.5	20	111	X511108 - X5C0040-01	
EPA 200.8	Thallium	mg/L	0.0259	0.0257	0.0250	0.9	20	104	X511108 - X5C0040-01	
EPA 200.8	Uranium	mg/L	0.0303	0.0302	0.0250	0.2	20	108	X511108 - X5C0040-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	0.00209	0.00200	0.3	20	104	X511242 - X5C0117-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.107	0.105	0.100	2.0	11	107	X511095 - X5C0029-02	
EPA 335.4	Cyanide (total)	mg/L	0.0932	0.0900	0.100	3.5	20	93.2	X512005 - X5C0117-02	
EPA 350.1	Ammonia as N	mg/L	1.08	1.07	1.00	1.1	20	104	X511156 - X5C0117-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0926	0.0968	0.100	4.4	11	92.6	X512153 - X5C0117-02	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.50	4.36	3.00	3.1	20	100	X511070 - X5C0117-01	
EPA 300.0	Fluoride	mg/L	2.29	2.18	2.00	4.8	20	101	X511070 - X5C0117-01	
EPA 300.0	Nitrate as N	mg/L	1.97	1.87	2.00	5.0	20	98.4	X511070 - X5C0117-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.01	3.85	4.00	4.1	20	100	X511070 - X5C0117-01	
EPA 300.0	Nitrite as N	mg/L	2.05	1.98	2.00	3.3	20	102	X511070 - X5C0117-01	
EPA 300.0	Sulfate as SO4	mg/L	194	194	10.0	0.1	20	0.30R>S	X511070 - X5C0117-01	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0117**
Victor, CO 80860	Reported: 25-Mar-25 12:42

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.
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: **X5C0145**
Victor, CO 80860	Reported: 26-Mar-25 15:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-8A	X5C0145-01	Ground Water	11-Mar-25 11:30	JC	12-Mar-2025	
GVMW-8B	X5C0145-02	Ground Water	11-Mar-25 10:32	JC	12-Mar-2025	
OSABH-17	X5C0145-03	Ground Water	11-Mar-25 12:41	JC	12-Mar-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.
This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

Case Narrative: X5C0145

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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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0145**
Reported: 26-Mar-25 15:23

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X5C0145-01 (Ground Water)**

Sampled: 11-Mar-25 11:30
Received: 12-Mar-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**	51.4	mg/L	0.100	0.069		X511128	JRR	03/17/25 13:56	
EPA 200.7	**Magnesium**	6.57	mg/L	0.500	0.090		X511128	JRR	03/17/25 13:56	
EPA 200.7	**Potassium**	0.85	mg/L	0.50	0.18		X511128	JRR	03/17/25 13:56	
SM 2340 B	**Hardness (as CaCO3)**	155	mg/L	2.31	0.543		N/A		03/20/25 11:33	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511227	SJN	03/20/25 11:33	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X511227	SJN	03/20/25 11:33	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511227	SJN	03/20/25 11:33	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511227	SJN	03/20/25 11:33	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511227	SJN	03/20/25 11:33	
EPA 200.7	**Calcium**	45.7	mg/L	0.100	0.069		X511227	SJN	03/20/25 11:33	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511227	SJN	03/20/25 11:33	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511227	SJN	03/20/25 11:33	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511227	SJN	03/20/25 11:33	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X511227	SJN	03/20/25 11:33	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511227	SJN	03/20/25 11:33	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511227	SJN	03/20/25 11:33	
EPA 200.7	**Magnesium**	5.48	mg/L	0.500	0.090		X511227	SJN	03/20/25 11:33	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X511227	SJN	03/20/25 11:33	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511227	SJN	03/20/25 11:33	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511227	SJN	03/20/25 11:33	
EPA 200.7	**Potassium**	0.65	mg/L	0.50	0.18		X511227	SJN	03/20/25 11:33	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511227	SJN	03/20/25 11:33	
EPA 200.7	**Sodium**	22.2	mg/L	0.50	0.12		X511227	SJN	03/20/25 11:33	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511227	SJN	03/20/25 11:33	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511227	SJN	03/20/25 11:33	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X512185	JRR	03/26/25 12:03	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X512185	JRR	03/26/25 12:03	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X512185	JRR	03/26/25 12:03	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X512185	JRR	03/26/25 12:03	
EPA 200.8	**Uranium**	0.00482	mg/L	0.000100	0.000052		X512185	JRR	03/26/25 12:03	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X511242	SJN	03/24/25 17:21	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X512053	JPM	03/19/25 10:03	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X512005	DD	03/18/25 14:54	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X511156	DD	03/19/25 17:58	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X512153	JPM	03/24/25 11:10	
SM 2310 B	**Acidity to pH 8.3**	-49.7	mg/L as CaCO3	10.0			X512169	MWD	03/20/25 11:49	
SM 2320 B	**Total Alkalinity**	47.2	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:23	
SM 2320 B	**Bicarbonate**	47.2	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:23	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:23	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:23	
SM 2540 C	**Total Diss. Solids**	316	mg/L	10			X511142	TJL	03/14/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X511143	TJL	03/17/25 14:30	
SM 4500 H B	**pH @18.0°C**	6.9	pH Units				X511219	MWD	03/14/25 15:23	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0145**
Reported: 26-Mar-25 15:23

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X5C0145-01 (Ground Water)**

Sampled: 11-Mar-25 11:30
Received: 12-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	63.5	mg/L	2.00	0.22	10	X511121	RS	03/12/25 15:13	
EPA 300.0	**Fluoride**	1.84	mg/L	0.100	0.017		X511121	RS	03/12/25 14:57	
EPA 300.0	**Nitrate as N**	1.19	mg/L	0.050	0.013		X511121	RS	03/12/25 14:57	
EPA 300.0	**Nitrate+Nitrite as N**	1.19	mg/L	0.100	0.044		X511121	RS	03/12/25 14:57	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X511121	RS	03/12/25 14:57	
EPA 300.0	**Sulfate as SO4**	62.4	mg/L	3.00	1.80	10	X511121	RS	03/12/25 15:13	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.73 meq/L Anion Sum: 4.22 meq/L C/A Balance: -6.15 % Calculated TDS: 239 TDS/cTDS: 1.32

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: **X5C0145**
Reported: 26-Mar-25 15:23

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X5C0145-02 (Ground Water)**

Sampled: 11-Mar-25 10:32
Received: 12-Mar-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**	44.8	mg/L	0.100	0.069		X511128	JRR	03/17/25 14:00	
EPA 200.7	**Magnesium**	7.05	mg/L	0.500	0.090		X511128	JRR	03/17/25 14:00	
EPA 200.7	**Potassium**	1.62	mg/L	0.50	0.18		X511128	JRR	03/17/25 14:00	
SM 2340 B	**Hardness (as CaCO3)**	124	mg/L	2.31	0.543		N/A		03/17/25 14:00	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511227	SJN	03/20/25 11:36	
EPA 200.7	**Barium**	0.0072	mg/L	0.0020	0.0019		X511227	SJN	03/20/25 11:36	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511227	SJN	03/20/25 11:36	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511227	SJN	03/20/25 11:36	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511227	SJN	03/20/25 11:36	
EPA 200.7	**Calcium**	39.8	mg/L	0.100	0.069		X511227	SJN	03/20/25 11:36	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511227	SJN	03/20/25 11:36	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511227	SJN	03/20/25 11:36	
EPA 200.7	**Copper**	0.0267	mg/L	0.0100	0.0027		X511227	SJN	03/20/25 11:36	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X511227	SJN	03/20/25 11:36	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511227	SJN	03/20/25 11:36	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511227	SJN	03/20/25 11:36	
EPA 200.7	**Magnesium**	5.91	mg/L	0.500	0.090		X511227	SJN	03/20/25 11:36	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X511227	SJN	03/20/25 11:36	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511227	SJN	03/20/25 11:36	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511227	SJN	03/20/25 11:36	
EPA 200.7	**Potassium**	1.25	mg/L	0.50	0.18		X511227	SJN	03/20/25 11:36	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511227	SJN	03/20/25 11:36	
EPA 200.7	**Sodium**	23.2	mg/L	0.50	0.12		X511227	SJN	03/20/25 11:36	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511227	SJN	03/20/25 11:36	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511227	SJN	03/20/25 11:36	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X512185	JRR	03/26/25 12:06	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X512185	JRR	03/26/25 12:06	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X512185	JRR	03/26/25 12:06	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X512185	JRR	03/26/25 12:06	
EPA 200.8	**Uranium**	0.00248	mg/L	0.000100	0.000052		X512185	JRR	03/26/25 12:06	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X511242	SJN	03/24/25 17:23	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X512053	JPM	03/19/25 10:05	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X512005	DD	03/18/25 14:56	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X511156	DD	03/19/25 18:00	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X512153	JPM	03/24/25 11:22	
SM 2310 B	**Acidity to pH 8.3**	-30.4	mg/L as CaCO3	10.0			X512169	MWD	03/20/25 11:49	
SM 2320 B	**Total Alkalinity**	35.8	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:28	
SM 2320 B	**Bicarbonate**	35.8	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:28	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:28	
SM 2540 C	**Total Diss. Solids**	303	mg/L	10			X511142	TJL	03/14/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X511143	TJL	03/17/25 14:30	
SM 4500 H B	**pH @18.2°C**	6.9	pH Units				X511219	MWD	03/14/25 15:28	H5

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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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: **X5C0145**
Reported: 26-Mar-25 15:23

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X5C0145-02 (Ground Water)**

Sampled: 11-Mar-25 10:32
Received: 12-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	36.0	mg/L	2.00	0.22	10	X511121	RS	03/12/25 15:44	
EPA 300.0	**Fluoride**	2.19	mg/L	0.100	0.017		X511121	RS	03/12/25 15:28	
EPA 300.0	**Nitrate as N**	2.21	mg/L	0.050	0.013		X511121	RS	03/12/25 15:28	
EPA 300.0	**Nitrate+Nitrite as N**	2.21	mg/L	0.100	0.044		X511121	RS	03/12/25 15:28	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X511121	RS	03/12/25 15:28	
EPA 300.0	**Sulfate as SO4**	96.0	mg/L	3.00	1.80	10	X511121	RS	03/12/25 15:44	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.53 meq/L Anion Sum: 4.00 meq/L C/A Balance: -6.31 % Calculated TDS: 239 TDS/cTDS: 1.27

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0145**
Reported: 26-Mar-25 15:23

Client Sample ID: **OSABH-17**
SVL Sample ID: **X5C0145-03 (Ground Water)**

Sampled: 11-Mar-25 12:41
Received: 12-Mar-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**	429	mg/L	0.500	0.345	5	X511128	JRR	03/17/25 14:04	D11
EPA 200.7	**Magnesium**	1660	mg/L	2.50	0.450	5	X511128	JRR	03/17/25 14:04	D11
EPA 200.7	Potassium	< 2.50	mg/L	2.50	0.90	5	X511128	JRR	03/17/25 14:04	D11
SM 2340 B	**Hardness (as CaCO3)**	7910	mg/L	11.5	2.71		N/A		03/20/25 11:40	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	4650	mg/L	0.800	0.540	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	Barium	< 0.0200	mg/L	0.0200	0.0190	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Beryllium**	0.790	mg/L	0.0200	0.00800	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	Boron	< 0.400	mg/L	0.400	0.0780	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Cadmium**	10.3	mg/L	0.0200	0.0160	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Calcium**	433	mg/L	1.00	0.690	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Chromium**	0.981	mg/L	0.0600	0.0200	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Cobalt**	22.4	mg/L	0.0600	0.0460	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Copper**	19.3	mg/L	0.100	0.0270	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Iron**	204	mg/L	1.00	0.560	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Lead**	0.109	mg/L	0.0750	0.0490	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Lithium**	2.34	mg/L	0.400	0.250	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Magnesium**	1710	mg/L	5.00	0.900	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Manganese**	1630	mg/L	0.800	0.340	100	X511227	SJN	03/20/25 11:47	D11,D18
EPA 200.7	Molybdenum	< 0.0800	mg/L	0.0800	0.0340	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Nickel**	17.6	mg/L	0.100	0.0480	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	Potassium	< 5.00	mg/L	5.00	1.80	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	Silver	< 0.0500	mg/L	0.0500	0.0190	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Sodium**	12.3	mg/L	5.00	1.20	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	Vanadium	< 0.0500	mg/L	0.0500	0.0190	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.7	**Zinc**	349	mg/L	0.100	0.0540	10	X511227	SJN	03/20/25 11:40	D11,D18
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X512185	JRR	03/26/25 12:09	D11
EPA 200.8	**Arsenic**	0.680	mg/L	0.100	0.0210	100	X512185	JRR	03/26/25 12:09	D11
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X512185	JRR	03/26/25 12:09	D11
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X512185	JRR	03/26/25 12:09	D11
EPA 200.8	**Uranium**	16.1	mg/L	0.0100	0.00520	100	X512185	JRR	03/26/25 12:09	D11
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X511242	SJN	03/24/25 17:25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X512053	JPM	03/19/25 10:07	D11
EPA 335.4	**Cyanide (total)**	0.0311	mg/L	0.0050	0.0038		X512005	DD	03/18/25 14:58	
EPA 350.1	Ammonia as N	< 3.00	mg/L	3.00	1.27	100	X511156	DD	03/19/25 18:03	D11
OIA 1677	Cyanide (WAD)	< 0.0250	mg/L	0.0250	0.0050	5	X512153	JPM	03/24/25 11:23	D11
SM 2310 B	**Acidity to pH 8.3**	28200	mg/L as CaCO3	10.0			X512169	MWD	03/20/25 11:49	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:33	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:33	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:33	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:33	
SM 2540 C	**Total Diss. Solids**	51000	mg/L	100			X511142	TJL	03/14/25 13:00	E11
SM 2540 D	**Total Susp. Solids**	164	mg/L	5.0			X511143	TJL	03/17/25 14:30	
SM 4500 H B	**pH @18.4°C**	2.8	pH Units				X511219	MWD	03/14/25 15:33	H5

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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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: **X5C0145**
Reported: 26-Mar-25 15:23

Client Sample ID: **OSABH-17**
SVL Sample ID: **X5C0145-03 (Ground Water)**

Sampled: 11-Mar-25 12:41
Received: 12-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	19.7	mg/L	10.0	1.10	50	X511121	RS	03/12/25 15:59	
EPA 300.0	**Fluoride**	221	mg/L	5.00	0.850	50	X511121	RS	03/12/25 15:59	
EPA 300.0	**Nitrate as N**	5.20	mg/L	2.50	0.650	50	X511121	RS	03/12/25 15:59	D18
EPA 300.0	**Nitrate+Nitrite as N**	10.5	mg/L	5.00	2.20	50	X511121	RS	03/12/25 15:59	
EPA 300.0	Nitrite as N	< 2.50	mg/L	2.50	1.55	50	X511121	RS	03/12/25 15:59	D18
EPA 300.0	**Sulfate as SO4**	37100	mg/L	300	180	1000	X511121	RS	03/12/25 16:15	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 754 meq/L Anion Sum: 785 meq/L C/A Balance: -2.03 % Calculated TDS: 39515 TDS/cTDS: 1.29

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0145**
Reported: 26-Mar-25 15:23

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	X511128	17-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511128	17-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511128	17-Mar-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X511227	20-Mar-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X511227	20-Mar-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X511227	20-Mar-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X511227	20-Mar-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X511227	20-Mar-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X511227	20-Mar-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X511227	20-Mar-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X511227	20-Mar-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X511227	20-Mar-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X511227	20-Mar-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X511227	20-Mar-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X511227	20-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511227	20-Mar-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X511227	20-Mar-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X511227	20-Mar-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X511227	20-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511227	20-Mar-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X511227	20-Mar-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X511227	20-Mar-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X511227	20-Mar-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X511227	20-Mar-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X512185	26-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X511242	24-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X512053	19-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X512005	18-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X511156	19-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X512169	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X511142	14-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X511143	17-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X511121	12-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X511121	12-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X511121	12-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X511121	12-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X511121	12-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X511121	12-Mar-25	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0145**
Reported: 26-Mar-25 15:23

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	X511128	17-Mar-25	
EPA 200.7	Magnesium	mg/L	20.5	20.0	102	85 - 115	X511128	17-Mar-25	
EPA 200.7	Potassium	mg/L	20.4	20.0	102	85 - 115	X511128	17-Mar-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.946	1.00	94.6	85 - 115	X511227	20-Mar-25	
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X511227	20-Mar-25	
EPA 200.7	Beryllium	mg/L	0.979	1.00	97.9	85 - 115	X511227	20-Mar-25	
EPA 200.7	Boron	mg/L	0.987	1.00	98.7	85 - 115	X511227	20-Mar-25	
EPA 200.7	Cadmium	mg/L	1.01	1.00	101	85 - 115	X511227	20-Mar-25	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.5	85 - 115	X511227	20-Mar-25	
EPA 200.7	Chromium	mg/L	1.03	1.00	103	85 - 115	X511227	20-Mar-25	
EPA 200.7	Cobalt	mg/L	0.979	1.00	97.9	85 - 115	X511227	20-Mar-25	
EPA 200.7	Copper	mg/L	0.985	1.00	98.5	85 - 115	X511227	20-Mar-25	
EPA 200.7	Iron	mg/L	10.0	10.0	100	85 - 115	X511227	20-Mar-25	
EPA 200.7	Lead	mg/L	1.01	1.00	101	85 - 115	X511227	20-Mar-25	
EPA 200.7	Lithium	mg/L	0.941	1.00	94.1	85 - 115	X511227	20-Mar-25	
EPA 200.7	Magnesium	mg/L	18.6	20.0	92.9	85 - 115	X511227	20-Mar-25	
EPA 200.7	Manganese	mg/L	1.01	1.00	101	85 - 115	X511227	20-Mar-25	
EPA 200.7	Molybdenum	mg/L	1.02	1.00	102	85 - 115	X511227	20-Mar-25	
EPA 200.7	Nickel	mg/L	1.00	1.00	100	85 - 115	X511227	20-Mar-25	
EPA 200.7	Potassium	mg/L	19.8	20.0	99.1	85 - 115	X511227	20-Mar-25	
EPA 200.7	Silver	mg/L	0.0465	0.0500	93.1	85 - 115	X511227	20-Mar-25	
EPA 200.7	Sodium	mg/L	18.5	19.0	97.4	85 - 115	X511227	20-Mar-25	
EPA 200.7	Vanadium	mg/L	1.02	1.00	102	85 - 115	X511227	20-Mar-25	
EPA 200.7	Zinc	mg/L	0.957	1.00	95.7	85 - 115	X511227	20-Mar-25	
EPA 200.8	Antimony	mg/L	0.0242	0.0250	96.9	85 - 115	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0236	0.0250	94.5	85 - 115	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	0.0219	0.0250	87.6	85 - 115	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0238	0.0250	95.0	85 - 115	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	0.0256	0.0250	102	85 - 115	X512185	26-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00205	0.00200	103	85 - 115	X511242	24-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.104	0.100	104	90 - 110	X512053	19-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.0907	0.100	90.7	90 - 110	X512005	18-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.972	1.00	97.2	90 - 110	X511156	19-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.105	0.100	105	90 - 110	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	722	706	102	95.4 - 104	X512169	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.70	9.93	97.7	94 - 106	X511219	14-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	94 - 106	X511219	14-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	401	397	101	94 - 106	X511219	14-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X511143	17-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	98.9	90 - 110	X511121	12-Mar-25	
EPA 300.0	Fluoride	mg/L	1.98	2.00	99.2	90 - 110	X511121	12-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.94	2.00	97.1	90 - 110	X511121	12-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.51	4.50	100	90 - 110	X511121	12-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.57	2.50	103	90 - 110	X511121	12-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.89	10.0	98.9	90 - 110	X511121	12-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0145**
Reported: 26-Mar-25 15:23

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	X512169 - X5C0144-01	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	76.0	77.2	1.6	20	X511219 - X5C0118-01	14-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	76.0	77.2	1.6	20	X511219 - X5C0118-01	14-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511219 - X5C0118-01	14-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511219 - X5C0118-01	14-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	251	259	3.1	10	X511142 - X5C0161-02	14-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	340	354	4.0	10	X511142 - X5C0125-02	14-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X511143 - X5C0125-02	17-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X511143 - X5C0161-02	17-Mar-25	
SM 4500 H B	pH @17.4°C	pH Units	6.1	6.2	1.1	20	X511219 - X5C0118-01	14-Mar-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	41.1	20.9	20.0	101	70 - 130	X511128 - X5C0117-01	17-Mar-25	
EPA 200.7	Magnesium	mg/L	39.5	19.0	20.0	103	70 - 130	X511128 - X5C0117-01	17-Mar-25	
EPA 200.7	Potassium	mg/L	22.4	1.92	20.0	102	70 - 130	X511128 - X5C0117-01	17-Mar-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.866	<0.080	1.00	86.6	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Aluminum	mg/L	0.859	<0.080	1.00	85.9	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Barium	mg/L	0.976	0.0198	1.00	95.6	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Barium	mg/L	1.00	0.0501	1.00	95.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Beryllium	mg/L	0.909	<0.00200	1.00	90.9	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Beryllium	mg/L	0.876	<0.00200	1.00	87.6	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Boron	mg/L	1.01	0.0696	1.00	93.8	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Boron	mg/L	0.937	<0.0400	1.00	92.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Cadmium	mg/L	0.932	<0.0020	1.00	93.2	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Cadmium	mg/L	0.921	<0.0020	1.00	92.1	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Calcium	mg/L	65.1	46.5	20.0	93.0	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Calcium	mg/L	37.0	18.4	20.0	92.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Chromium	mg/L	0.945	<0.0060	1.00	94.5	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Chromium	mg/L	0.927	<0.0060	1.00	92.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Cobalt	mg/L	0.894	<0.0060	1.00	89.4	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Cobalt	mg/L	0.907	0.0298	1.00	87.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Copper	mg/L	0.908	<0.0100	1.00	90.8	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Copper	mg/L	0.893	<0.0100	1.00	89.3	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Iron	mg/L	9.37	<0.100	10.0	93.7	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Iron	mg/L	38.3	28.8	10.0	94.9	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Lead	mg/L	0.933	<0.0075	1.00	93.3	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Lead	mg/L	0.918	<0.0075	1.00	91.8	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Lithium	mg/L	0.986	0.044	1.00	94.1	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Lithium	mg/L	0.901	<0.040	1.00	90.1	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Magnesium	mg/L	24.1	5.60	20.0	92.3	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Magnesium	mg/L	34.0	15.5	20.0	92.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Manganese	mg/L	0.941	<0.0080	1.00	94.1	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Manganese	mg/L	2.74	1.80	1.00	93.8	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.938	<0.0080	1.00	93.8	70 - 130	X511227 - X5C0102-02	20-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0145**
Reported: 26-Mar-25 15:23

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	0.921	<0.0080	1.00	92.1	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Nickel	mg/L	0.910	<0.0100	1.00	91.0	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Nickel	mg/L	0.950	0.0570	1.00	89.3	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Potassium	mg/L	21.2	2.64	20.0	92.9	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Potassium	mg/L	20.2	1.63	20.0	92.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Silver	mg/L	0.0446	<0.0050	0.0500	89.2	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Silver	mg/L	0.0437	<0.0050	0.0500	87.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Sodium	mg/L	64.1	47.0	19.0	90.3	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Sodium	mg/L	30.4	13.2	19.0	90.3	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Vanadium	mg/L	0.946	0.0082	1.00	93.8	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Vanadium	mg/L	0.924	<0.0050	1.00	92.4	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.7	Zinc	mg/L	0.906	<0.0100	1.00	90.6	70 - 130	X511227 - X5C0102-02	20-Mar-25	
EPA 200.7	Zinc	mg/L	1.14	0.263	1.00	87.7	70 - 130	X511227 - X5C0117-01	20-Mar-25	
EPA 200.8	Antimony	mg/L	0.0253	<0.00100	0.0250	101	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Antimony	mg/L	<0.0500	<0.0500	0.0250	N/A	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
EPA 200.8	Arsenic	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.359	0.328	0.0250	123	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Selenium	mg/L	0.0269	<0.00100	0.0250	106	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.0500	<0.0500	0.0250	75.4	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.6	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0229	<0.0100	0.0250	91.7	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Uranium	mg/L	0.0310	0.00494	0.0250	104	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Uranium	mg/L	3.82	3.75	0.0250	0.30R>S	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X511242 - X5C0117-01	24-Mar-25	
EPA 245.1	Mercury	mg/L	0.00206	<0.000200	0.00200	103	70 - 130	X511242 - X5C0190-01	24-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.112	<0.0050	0.100	112	79 - 121	X512053 - X5C0203-06	19-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.0900	<0.0050	0.100	90.0	90 - 110	X512005 - X5C0117-02	18-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.0952	<0.0050	0.100	95.2	90 - 110	X512005 - X5C0117-01	18-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.07	0.046	1.00	103	90 - 110	X511156 - X5C0117-01	19-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.993	<0.030	1.00	98.0	90 - 110	X511156 - X5C0117-02	19-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0968	<0.0050	0.100	96.8	82 - 118	X512153 - X5C0117-02	24-Mar-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	26.7	23.7	3.00	102	90 - 110	X511121 - X5C0143-01	12-Mar-25	
EPA 300.0	Chloride	mg/L	23.5	24.3	3.00	0.30R>S	90 - 110	X511121 - X5C0125-01	12-Mar-25	M4
EPA 300.0	Fluoride	mg/L	2.14	0.354	2.00	89.1	90 - 110	X511121 - X5C0143-01	12-Mar-25	M2
EPA 300.0	Fluoride	mg/L	1.97	<0.100	2.00	94.1	90 - 110	X511121 - X5C0125-01	12-Mar-25	
EPA 300.0	Nitrate as N	mg/L	3.57	1.59	2.00	99.1	90 - 110	X511121 - X5C0143-01	12-Mar-25	
EPA 300.0	Nitrate as N	mg/L	10.0	9.50	2.00	0.30R>S	90 - 110	X511121 - X5C0125-01	12-Mar-25	M4
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.57	1.59	4.00	99.4	90 - 110	X511121 - X5C0143-01	12-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	12.4	9.86	4.00	63.4	90 - 110	X511121 - X5C0125-01	12-Mar-25	M2
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	99.8	90 - 110	X511121 - X5C0143-01	12-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.38	0.368	2.00	100	90 - 110	X511121 - X5C0125-01	12-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	205	193	10.0	0.30R>S	90 - 110	X511121 - X5C0143-01	12-Mar-25	M4
EPA 300.0	Sulfate as SO4	mg/L	94.1	98.2	10.0	0.30R>S	90 - 110	X511121 - X5C0125-01	12-Mar-25	M4

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0145**
Reported: 26-Mar-25 15:23

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	41.2	41.1	20.0	0.3	20	102	X511128 - X5C0117-01	
EPA 200.7	Magnesium	mg/L	39.8	39.5	20.0	0.8	20	104	X511128 - X5C0117-01	
EPA 200.7	Potassium	mg/L	22.7	22.4	20.0	1.2	20	104	X511128 - X5C0117-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.872	0.866	1.00	0.8	20	87.2	X511227 - X5C0102-02	
EPA 200.7	Barium	mg/L	0.977	0.976	1.00	0.1	20	95.7	X511227 - X5C0102-02	
EPA 200.7	Beryllium	mg/L	0.903	0.909	1.00	0.7	20	90.3	X511227 - X5C0102-02	
EPA 200.7	Boron	mg/L	1.01	1.01	1.00	0.6	20	94.4	X511227 - X5C0102-02	
EPA 200.7	Cadmium	mg/L	0.942	0.932	1.00	1.1	20	94.2	X511227 - X5C0102-02	
EPA 200.7	Calcium	mg/L	64.8	65.1	20.0	0.5	20	91.5	X511227 - X5C0102-02	
EPA 200.7	Chromium	mg/L	0.952	0.945	1.00	0.7	20	95.2	X511227 - X5C0102-02	
EPA 200.7	Cobalt	mg/L	0.904	0.894	1.00	1.2	20	90.4	X511227 - X5C0102-02	
EPA 200.7	Copper	mg/L	0.911	0.908	1.00	0.4	20	91.1	X511227 - X5C0102-02	
EPA 200.7	Iron	mg/L	9.29	9.37	10.0	0.8	20	92.9	X511227 - X5C0102-02	
EPA 200.7	Lead	mg/L	0.944	0.933	1.00	1.1	20	94.4	X511227 - X5C0102-02	
EPA 200.7	Lithium	mg/L	0.980	0.986	1.00	0.6	20	93.5	X511227 - X5C0102-02	
EPA 200.7	Magnesium	mg/L	23.8	24.1	20.0	1.2	20	90.8	X511227 - X5C0102-02	
EPA 200.7	Manganese	mg/L	0.936	0.941	1.00	0.6	20	93.6	X511227 - X5C0102-02	
EPA 200.7	Molybdenum	mg/L	0.949	0.938	1.00	1.1	20	94.9	X511227 - X5C0102-02	
EPA 200.7	Nickel	mg/L	0.921	0.910	1.00	1.2	20	92.1	X511227 - X5C0102-02	
EPA 200.7	Potassium	mg/L	21.0	21.2	20.0	1.2	20	91.7	X511227 - X5C0102-02	
EPA 200.7	Silver	mg/L	0.0448	0.0446	0.0500	0.4	20	89.6	X511227 - X5C0102-02	
EPA 200.7	Sodium	mg/L	63.9	64.1	19.0	0.4	20	88.9	X511227 - X5C0102-02	
EPA 200.7	Vanadium	mg/L	0.952	0.946	1.00	0.6	20	94.4	X511227 - X5C0102-02	
EPA 200.7	Zinc	mg/L	0.916	0.906	1.00	1.1	20	91.6	X511227 - X5C0102-02	
EPA 200.8	Antimony	mg/L	0.0254	0.0253	0.0250	0.3	20	102	X512185 - X5C0144-01	
EPA 200.8	Arsenic	mg/L	0.0257	0.0255	0.0250	0.6	20	103	X512185 - X5C0144-01	
EPA 200.8	Selenium	mg/L	0.0273	0.0269	0.0250	1.4	20	107	X512185 - X5C0144-01	
EPA 200.8	Thallium	mg/L	0.0236	0.0234	0.0250	0.8	20	94.4	X512185 - X5C0144-01	
EPA 200.8	Uranium	mg/L	0.0311	0.0310	0.0250	0.6	20	105	X512185 - X5C0144-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	0.00209	0.00200	0.3	20	104	X511242 - X5C0117-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.113	0.112	0.100	0.8	11	113	X512053 - X5C0203-06	
EPA 335.4	Cyanide (total)	mg/L	0.0932	0.0900	0.100	3.5	20	93.2	X512005 - X5C0117-02	
EPA 350.1	Ammonia as N	mg/L	1.08	1.07	1.00	1.1	20	104	X511156 - X5C0117-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0926	0.0968	0.100	4.4	11	92.6	X512153 - X5C0117-02	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	26.6	26.7	3.00	0.4	20	98.2	X511121 - X5C0143-01	
EPA 300.0	Fluoride	mg/L	2.17	2.14	2.00	1.8	20	91.0	X511121 - X5C0143-01	
EPA 300.0	Nitrate as N	mg/L	3.64	3.57	2.00	1.8	20	102	X511121 - X5C0143-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.69	5.57	4.00	2.1	20	102	X511121 - X5C0143-01	
EPA 300.0	Nitrite as N	mg/L	2.05	2.00	2.00	2.7	20	102	X511121 - X5C0143-01	
EPA 300.0	Sulfate as SO4	mg/L	204	205	10.0	0.2	20	110	X511121 - X5C0143-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0145**
Victor, CO 80860	Reported: 26-Mar-25 15:23

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.
D20	sample contained high concentration of non target analytes, diluted to mitigate matrix effects
E11	Sample exceeds method-specified limit for solids content.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
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.
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: **X5C0144**
Victor, CO 80860	Reported: 26-Mar-25 15:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-108F	X5C0144-01	Ground Water	11-Mar-25 11:30	KCR	12-Mar-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: X5C0144

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: **X5C0144**
Reported: 26-Mar-25 15:07

Client Sample ID: **GVMW-108F**
SVL Sample ID: **X5C0144-01 (Ground Water)**

Sampled: 11-Mar-25 11:30
Received: 12-Mar-25
Sampled By: KCR

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**	52.0	mg/L	0.100	0.069		X511128	JRR	03/17/25 13:52	
EPA 200.7	**Magnesium**	6.62	mg/L	0.500	0.090		X511128	JRR	03/17/25 13:52	
EPA 200.7	**Potassium**	0.77	mg/L	0.50	0.18		X511128	JRR	03/17/25 13:52	
SM 2340 B	**Hardness (as CaCO3)**	157	mg/L	2.31	0.543		N/A		03/20/25 13:29	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X511228	SJN	03/20/25 13:29	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X511228	SJN	03/20/25 14:20	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X511228	SJN	03/20/25 13:29	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X511228	SJN	03/20/25 13:29	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X511228	SJN	03/20/25 13:29	
EPA 200.7	**Calcium**	44.0	mg/L	0.100	0.069		X511228	SJN	03/20/25 13:29	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X511228	SJN	03/20/25 13:29	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X511228	SJN	03/20/25 13:29	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X511228	SJN	03/20/25 13:29	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X511228	SJN	03/20/25 13:29	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X511228	SJN	03/20/25 13:29	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X511228	SJN	03/20/25 13:29	
EPA 200.7	**Magnesium**	5.33	mg/L	0.500	0.090		X511228	SJN	03/20/25 13:29	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X511228	SJN	03/20/25 13:29	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X511228	SJN	03/20/25 13:29	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X511228	SJN	03/20/25 13:29	
EPA 200.7	**Potassium**	0.59	mg/L	0.50	0.18		X511228	SJN	03/20/25 13:29	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X511228	SJN	03/20/25 13:29	
EPA 200.7	**Sodium**	21.5	mg/L	0.50	0.12		X511228	SJN	03/20/25 13:29	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X511228	SJN	03/20/25 13:29	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X511228	SJN	03/20/25 13:29	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X512185	JRR	03/26/25 11:54	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X512185	JRR	03/26/25 11:54	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X512185	JRR	03/26/25 11:54	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X512185	JRR	03/26/25 11:54	
EPA 200.8	**Uranium**	0.00494	mg/L	0.000100	0.000052		X512185	JRR	03/26/25 11:54	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X511242	SJN	03/24/25 17:19	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X512053	JPM	03/19/25 10:01	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X512005	DD	03/18/25 14:51	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X511156	DD	03/19/25 17:55	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X512153	JPM	03/24/25 11:08	
SM 2310 B	**Acidity to pH 8.3**	-49.7	mg/L as CaCO3	10.0			X512169	MWD	03/20/25 11:49	
SM 2320 B	**Total Alkalinity**	46.5	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:18	
SM 2320 B	**Bicarbonate**	46.5	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:18	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:18	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X511219	MWD	03/14/25 15:18	
SM 2540 C	**Total Diss. Solids**	289	mg/L	10			X511142	TJL	03/14/25 13:00	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X511143	TJL	03/17/25 14:30	
SM 4500 H B	**pH @17.9°C**	6.9	pH Units				X511219	MWD	03/14/25 15:18	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: **X5C0144**
Reported: 26-Mar-25 15:07

Client Sample ID: **GVMW-108F**
SVL Sample ID: **X5C0144-01 (Ground Water)**

Sampled: 11-Mar-25 11:30
Received: 12-Mar-25
Sampled By: KCR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	61.8	mg/L	2.00	0.22	10	X511121	RS	03/12/25 14:41	
EPA 300.0	**Fluoride**	1.82	mg/L	0.100	0.017		X511121	RS	03/12/25 14:26	
EPA 300.0	**Nitrate as N**	1.18	mg/L	0.050	0.013		X511121	RS	03/12/25 14:26	
EPA 300.0	**Nitrate+Nitrite as N**	1.18	mg/L	0.100	0.044		X511121	RS	03/12/25 14:26	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X511121	RS	03/12/25 14:26	
EPA 300.0	**Sulfate as SO4**	61.3	mg/L	3.00	1.80	10	X511121	RS	03/12/25 14:41	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.60 meq/L Anion Sum: 4.13 meq/L C/A Balance: -6.88 % Calculated TDS: 234 TDS/cTDS: 1.23

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: **X5C0144**
Reported: 26-Mar-25 15:07

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	X511128	17-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511128	17-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511128	17-Mar-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X511228	20-Mar-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X511228	20-Mar-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X511228	20-Mar-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X511228	20-Mar-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X511228	20-Mar-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X511228	20-Mar-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X511228	20-Mar-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X511228	20-Mar-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X511228	20-Mar-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X511228	20-Mar-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X511228	20-Mar-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X511228	20-Mar-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X511228	20-Mar-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X511228	20-Mar-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X511228	20-Mar-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X511228	20-Mar-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X511228	20-Mar-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X511228	20-Mar-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X511228	20-Mar-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X511228	20-Mar-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X511228	20-Mar-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X512185	26-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X511242	24-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X512053	19-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X512005	18-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X511156	19-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X512169	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X511219	14-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X511142	14-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X511143	17-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X511121	12-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X511121	12-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X511121	12-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X511121	12-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X511121	12-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X511121	12-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0144**
Reported: 26-Mar-25 15:07

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	X511128	17-Mar-25	
EPA 200.7	Magnesium	mg/L	20.5	20.0	102	85 - 115	X511128	17-Mar-25	
EPA 200.7	Potassium	mg/L	20.4	20.0	102	85 - 115	X511128	17-Mar-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.934	1.00	93.4	85 - 115	X511228	20-Mar-25	
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X511228	20-Mar-25	
EPA 200.7	Beryllium	mg/L	0.978	1.00	97.8	85 - 115	X511228	20-Mar-25	
EPA 200.7	Boron	mg/L	0.974	1.00	97.4	85 - 115	X511228	20-Mar-25	
EPA 200.7	Cadmium	mg/L	1.02	1.00	102	85 - 115	X511228	20-Mar-25	
EPA 200.7	Calcium	mg/L	20.0	20.0	99.9	85 - 115	X511228	20-Mar-25	
EPA 200.7	Chromium	mg/L	1.03	1.00	103	85 - 115	X511228	20-Mar-25	
EPA 200.7	Cobalt	mg/L	0.990	1.00	99.0	85 - 115	X511228	20-Mar-25	
EPA 200.7	Copper	mg/L	0.982	1.00	98.2	85 - 115	X511228	20-Mar-25	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X511228	20-Mar-25	
EPA 200.7	Lead	mg/L	1.02	1.00	102	85 - 115	X511228	20-Mar-25	
EPA 200.7	Lithium	mg/L	0.949	1.00	94.9	85 - 115	X511228	20-Mar-25	
EPA 200.7	Magnesium	mg/L	18.8	20.0	93.8	85 - 115	X511228	20-Mar-25	
EPA 200.7	Manganese	mg/L	1.02	1.00	102	85 - 115	X511228	20-Mar-25	
EPA 200.7	Molybdenum	mg/L	1.03	1.00	103	85 - 115	X511228	20-Mar-25	
EPA 200.7	Nickel	mg/L	1.02	1.00	102	85 - 115	X511228	20-Mar-25	
EPA 200.7	Potassium	mg/L	19.9	20.0	99.7	85 - 115	X511228	20-Mar-25	
EPA 200.7	Silver	mg/L	0.0480	0.0500	96.0	85 - 115	X511228	20-Mar-25	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.6	85 - 115	X511228	20-Mar-25	
EPA 200.7	Vanadium	mg/L	1.00	1.00	100	85 - 115	X511228	20-Mar-25	
EPA 200.7	Zinc	mg/L	0.963	1.00	96.3	85 - 115	X511228	20-Mar-25	
EPA 200.8	Antimony	mg/L	0.0242	0.0250	96.9	85 - 115	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0236	0.0250	94.5	85 - 115	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	0.0219	0.0250	87.6	85 - 115	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0238	0.0250	95.0	85 - 115	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	0.0256	0.0250	102	85 - 115	X512185	26-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00205	0.00200	103	85 - 115	X511242	24-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.104	0.100	104	90 - 110	X512053	19-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.0907	0.100	90.7	90 - 110	X512005	18-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.972	1.00	97.2	90 - 110	X511156	19-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.105	0.100	105	90 - 110	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	722	706	102	95.4 - 104	X512169	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.70	9.93	97.7	94 - 106	X511219	14-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	94 - 106	X511219	14-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	401	397	101	94 - 106	X511219	14-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X511143	17-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	98.9	90 - 110	X511121	12-Mar-25	
EPA 300.0	Fluoride	mg/L	1.98	2.00	99.2	90 - 110	X511121	12-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.94	2.00	97.1	90 - 110	X511121	12-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.51	4.50	100	90 - 110	X511121	12-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.57	2.50	103	90 - 110	X511121	12-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.89	10.0	98.9	90 - 110	X511121	12-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0144**
Reported: 26-Mar-25 15:07

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	X512169 - X5C0144-01	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	76.0	77.2	1.6	20	X511219 - X5C0118-01	14-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	76.0	77.2	1.6	20	X511219 - X5C0118-01	14-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511219 - X5C0118-01	14-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X511219 - X5C0118-01	14-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	251	259	3.1	10	X511142 - X5C0161-02	14-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	340	354	4.0	10	X511142 - X5C0125-02	14-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X511143 - X5C0125-02	17-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X511143 - X5C0161-02	17-Mar-25	
SM 4500 H B	pH @17.4°C	pH Units	6.1	6.2	1.1	20	X511219 - X5C0118-01	14-Mar-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	41.1	20.9	20.0	101	70 - 130	X511128 - X5C0117-01	17-Mar-25	
EPA 200.7	Magnesium	mg/L	39.5	19.0	20.0	103	70 - 130	X511128 - X5C0117-01	17-Mar-25	
EPA 200.7	Potassium	mg/L	22.4	1.92	20.0	102	70 - 130	X511128 - X5C0117-01	17-Mar-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.873	<0.080	1.00	87.3	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Aluminum	mg/L	0.883	<0.080	1.00	88.3	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Barium	mg/L	0.965	0.0247	1.00	94.1	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Barium	mg/L	0.972	<0.0020	1.00	97.2	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Beryllium	mg/L	0.908	<0.00200	1.00	90.8	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Beryllium	mg/L	0.912	<0.00200	1.00	91.2	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Boron	mg/L	0.958	<0.0400	1.00	93.3	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Boron	mg/L	0.956	<0.0400	1.00	94.5	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Cadmium	mg/L	0.931	<0.0020	1.00	93.1	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Cadmium	mg/L	0.945	<0.0020	1.00	94.5	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Calcium	mg/L	153	132	20.0	105	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Calcium	mg/L	64.8	44.0	20.0	104	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Chromium	mg/L	0.948	<0.0060	1.00	94.8	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Chromium	mg/L	0.963	<0.0060	1.00	96.3	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Cobalt	mg/L	0.892	<0.0060	1.00	89.2	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Cobalt	mg/L	0.906	<0.0060	1.00	90.6	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Copper	mg/L	1.22	0.300	1.00	91.9	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Copper	mg/L	0.919	<0.0100	1.00	91.6	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Iron	mg/L	9.20	<0.100	10.0	92.0	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Iron	mg/L	9.44	<0.100	10.0	94.4	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Lead	mg/L	0.942	<0.0075	1.00	94.2	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Lead	mg/L	0.948	<0.0075	1.00	94.8	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Lithium	mg/L	0.971	<0.040	1.00	93.8	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Lithium	mg/L	0.941	<0.040	1.00	94.1	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Magnesium	mg/L	36.7	18.1	20.0	92.7	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Magnesium	mg/L	23.9	5.33	20.0	93.0	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Manganese	mg/L	0.939	<0.0080	1.00	93.5	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Manganese	mg/L	0.955	<0.0080	1.00	95.5	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Molybdenum	mg/L	0.965	0.0156	1.00	94.9	70 - 130	X511228 - X5C0098-01	20-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0144**
Reported: 26-Mar-25 15:07

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	0.955	<0.0080	1.00	95.5	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Nickel	mg/L	0.916	<0.0100	1.00	91.6	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Nickel	mg/L	0.929	<0.0100	1.00	92.9	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Potassium	mg/L	20.8	2.35	20.0	92.4	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Potassium	mg/L	19.4	0.59	20.0	94.0	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Silver	mg/L	0.0461	<0.0050	0.0500	92.1	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Silver	mg/L	0.0454	<0.0050	0.0500	90.7	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Sodium	mg/L	44.5	27.0	19.0	92.1	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Sodium	mg/L	39.7	21.5	19.0	95.9	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Vanadium	mg/L	0.942	<0.0050	1.00	93.8	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Vanadium	mg/L	0.950	<0.0050	1.00	95.0	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.7	Zinc	mg/L	0.976	0.0794	1.00	89.6	70 - 130	X511228 - X5C0098-01	20-Mar-25	
EPA 200.7	Zinc	mg/L	0.909	<0.0100	1.00	90.9	70 - 130	X511228 - X5C0144-01	20-Mar-25	
EPA 200.8	Antimony	mg/L	0.0253	<0.00100	0.0250	101	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Antimony	mg/L	<0.0500	<0.0500	0.0250	N/A	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
EPA 200.8	Arsenic	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.359	0.328	0.0250	123	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Selenium	mg/L	0.0269	<0.00100	0.0250	106	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.0500	<0.0500	0.0250	75.4	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.6	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0229	<0.0100	0.0250	91.7	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Uranium	mg/L	0.0310	0.00494	0.0250	104	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Uranium	mg/L	3.82	3.75	0.0250	0.30R>S	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X511242 - X5C0117-01	24-Mar-25	
EPA 245.1	Mercury	mg/L	0.00206	<0.000200	0.00200	103	70 - 130	X511242 - X5C0190-01	24-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.112	<0.0050	0.100	112	79 - 121	X512053 - X5C0203-06	19-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.0900	<0.0050	0.100	90.0	90 - 110	X512005 - X5C0117-02	18-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.0952	<0.0050	0.100	95.2	90 - 110	X512005 - X5C0117-01	18-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.07	0.046	1.00	103	90 - 110	X511156 - X5C0117-01	19-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.993	<0.030	1.00	98.0	90 - 110	X511156 - X5C0117-02	19-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0968	<0.0050	0.100	96.8	82 - 118	X512153 - X5C0117-02	24-Mar-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	26.7	23.7	3.00	102	90 - 110	X511121 - X5C0143-01	12-Mar-25	
EPA 300.0	Chloride	mg/L	23.5	24.3	3.00	0.30R>S	90 - 110	X511121 - X5C0125-01	12-Mar-25	M4
EPA 300.0	Fluoride	mg/L	2.14	0.354	2.00	89.1	90 - 110	X511121 - X5C0143-01	12-Mar-25	M2
EPA 300.0	Fluoride	mg/L	1.97	<0.100	2.00	94.1	90 - 110	X511121 - X5C0125-01	12-Mar-25	
EPA 300.0	Nitrate as N	mg/L	3.57	1.59	2.00	99.1	90 - 110	X511121 - X5C0143-01	12-Mar-25	
EPA 300.0	Nitrate as N	mg/L	10.0	9.50	2.00	0.30R>S	90 - 110	X511121 - X5C0125-01	12-Mar-25	M4
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.57	1.59	4.00	99.4	90 - 110	X511121 - X5C0143-01	12-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	12.4	9.86	4.00	63.4	90 - 110	X511121 - X5C0125-01	12-Mar-25	M2
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	99.8	90 - 110	X511121 - X5C0143-01	12-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.38	0.368	2.00	100	90 - 110	X511121 - X5C0125-01	12-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	205	193	10.0	0.30R>S	90 - 110	X511121 - X5C0143-01	12-Mar-25	M4
EPA 300.0	Sulfate as SO4	mg/L	94.1	98.2	10.0	0.30R>S	90 - 110	X511121 - X5C0125-01	12-Mar-25	M4

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0144**
Reported: 26-Mar-25 15:07

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	41.2	41.1	20.0	0.3	20	102	X511128 - X5C0117-01	
EPA 200.7	Magnesium	mg/L	39.8	39.5	20.0	0.8	20	104	X511128 - X5C0117-01	
EPA 200.7	Potassium	mg/L	22.7	22.4	20.0	1.2	20	104	X511128 - X5C0117-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.876	0.873	1.00	0.4	20	87.6	X511228 - X5C0098-01	
EPA 200.7	Barium	mg/L	0.973	0.965	1.00	0.8	20	94.9	X511228 - X5C0098-01	
EPA 200.7	Beryllium	mg/L	0.907	0.908	1.00	0.1	20	90.7	X511228 - X5C0098-01	
EPA 200.7	Boron	mg/L	0.963	0.958	1.00	0.5	20	93.8	X511228 - X5C0098-01	
EPA 200.7	Cadmium	mg/L	0.934	0.931	1.00	0.3	20	93.4	X511228 - X5C0098-01	
EPA 200.7	Calcium	mg/L	153	153	20.0	0.2	20	107	X511228 - X5C0098-01	
EPA 200.7	Chromium	mg/L	0.943	0.948	1.00	0.5	20	94.3	X511228 - X5C0098-01	
EPA 200.7	Cobalt	mg/L	0.898	0.892	1.00	0.7	20	89.8	X511228 - X5C0098-01	
EPA 200.7	Copper	mg/L	1.22	1.22	1.00	0.0	20	91.9	X511228 - X5C0098-01	
EPA 200.7	Iron	mg/L	9.34	9.20	10.0	1.5	20	93.4	X511228 - X5C0098-01	
EPA 200.7	Lead	mg/L	0.944	0.942	1.00	0.2	20	94.4	X511228 - X5C0098-01	
EPA 200.7	Lithium	mg/L	0.977	0.971	1.00	0.6	20	94.4	X511228 - X5C0098-01	
EPA 200.7	Magnesium	mg/L	37.3	36.7	20.0	1.6	20	95.7	X511228 - X5C0098-01	
EPA 200.7	Manganese	mg/L	0.941	0.939	1.00	0.2	20	93.7	X511228 - X5C0098-01	
EPA 200.7	Molybdenum	mg/L	0.969	0.965	1.00	0.4	20	95.3	X511228 - X5C0098-01	
EPA 200.7	Nickel	mg/L	0.915	0.916	1.00	0.1	20	91.5	X511228 - X5C0098-01	
EPA 200.7	Potassium	mg/L	21.1	20.8	20.0	1.5	20	93.9	X511228 - X5C0098-01	
EPA 200.7	Silver	mg/L	0.0459	0.0461	0.0500	0.3	20	91.9	X511228 - X5C0098-01	
EPA 200.7	Sodium	mg/L	44.9	44.5	19.0	0.9	20	94.4	X511228 - X5C0098-01	
EPA 200.7	Vanadium	mg/L	0.950	0.942	1.00	0.8	20	94.6	X511228 - X5C0098-01	
EPA 200.7	Zinc	mg/L	0.984	0.976	1.00	0.9	20	90.5	X511228 - X5C0098-01	
EPA 200.8	Antimony	mg/L	0.0254	0.0253	0.0250	0.3	20	102	X512185 - X5C0144-01	
EPA 200.8	Arsenic	mg/L	0.0257	0.0255	0.0250	0.6	20	103	X512185 - X5C0144-01	
EPA 200.8	Selenium	mg/L	0.0273	0.0269	0.0250	1.4	20	107	X512185 - X5C0144-01	
EPA 200.8	Thallium	mg/L	0.0236	0.0234	0.0250	0.8	20	94.4	X512185 - X5C0144-01	
EPA 200.8	Uranium	mg/L	0.0311	0.0310	0.0250	0.6	20	105	X512185 - X5C0144-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	0.00209	0.00200	0.3	20	104	X511242 - X5C0117-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.113	0.112	0.100	0.8	11	113	X512053 - X5C0203-06	
EPA 335.4	Cyanide (total)	mg/L	0.0932	0.0900	0.100	3.5	20	93.2	X512005 - X5C0117-02	
EPA 350.1	Ammonia as N	mg/L	1.08	1.07	1.00	1.1	20	104	X511156 - X5C0117-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0926	0.0968	0.100	4.4	11	92.6	X512153 - X5C0117-02	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	26.6	26.7	3.00	0.4	20	98.2	X511121 - X5C0143-01	
EPA 300.0	Fluoride	mg/L	2.17	2.14	2.00	1.8	20	91.0	X511121 - X5C0143-01	
EPA 300.0	Nitrate as N	mg/L	3.64	3.57	2.00	1.8	20	102	X511121 - X5C0143-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.69	5.57	4.00	2.1	20	102	X511121 - X5C0143-01	
EPA 300.0	Nitrite as N	mg/L	2.05	2.00	2.00	2.7	20	102	X511121 - X5C0143-01	
EPA 300.0	Sulfate as SO4	mg/L	204	205	10.0	0.2	20	110	X511121 - X5C0143-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0144**
Victor, CO 80860	Reported: 26-Mar-25 15:07

Notes and Definitions

D20	sample contained high concentration of non target analytes, diluted to mitigate matrix effects
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.
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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0274**
Victor, CO 80860	Reported: 03-Apr-25 13:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-25	X5C0274-01	Ground Water	17-Mar-25 09:52	TR	19-Mar-2025	Q5
GVMW-27	X5C0274-02	Ground Water	17-Mar-25 11:35	TR	19-Mar-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.
This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

Case Narrative: X5C0274

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: **X5C0274**
Reported: 03-Apr-25 13:37

Client Sample ID: **GVMW-25**
SVL Sample ID: **X5C0274-01 (Ground Water)**

Sampled: 17-Mar-25 09:52
Received: 19-Mar-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**	423	mg/L	0.100	0.069		X514092	SJN	04/02/25 14:26	
EPA 200.7	**Magnesium**	268	mg/L	0.500	0.090		X514092	SJN	04/02/25 14:26	
EPA 200.7	**Potassium**	8.31	mg/L	0.50	0.18		X514092	SJN	04/02/25 14:26	
SM 2340 B	**Hardness (as CaCO3)**	2160	mg/L	2.31	0.543		N/A		04/01/25 11:56	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	401	mg/L	0.080	0.054		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Barium**	0.0125	mg/L	0.0020	0.0019		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Beryllium**	0.313	mg/L	0.00200	0.00080		X513004	SJN	04/01/25 11:56	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Cadmium**	0.901	mg/L	0.0020	0.0016		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Calcium**	412	mg/L	0.100	0.069		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Chromium**	0.0273	mg/L	0.0060	0.0020		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Cobalt**	0.929	mg/L	0.0060	0.0046		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Copper**	1.33	mg/L	0.0100	0.0027		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Iron**	0.999	mg/L	0.100	0.056		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Lead**	0.0236	mg/L	0.0075	0.0049		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Lithium**	0.182	mg/L	0.040	0.025		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Magnesium**	266	mg/L	0.500	0.090		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Manganese**	124	mg/L	0.0800	0.0340	10	X513004	SJN	04/01/25 15:39	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Nickel**	1.50	mg/L	0.0100	0.0048		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Potassium**	7.90	mg/L	0.50	0.18		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Silver**	0.0188	mg/L	0.0050	0.0019		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Sodium**	41.3	mg/L	0.50	0.12		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Vanadium**	0.0274	mg/L	0.0050	0.0019		X513004	SJN	04/01/25 11:56	
EPA 200.7	**Zinc**	29.8	mg/L	0.0100	0.0054		X513004	SJN	04/01/25 11:56	
EPA 200.8	Antimony	< 0.00500	mg/L	0.00500	0.00360	5	X512185	JRR	03/26/25 12:46	D20
EPA 200.8	**Arsenic**	0.117	mg/L	0.00500	0.00105	5	X512185	JRR	03/26/25 12:46	D20
EPA 200.8	**Selenium**	0.00969	mg/L	0.00500	0.00120	5	X512185	JRR	03/26/25 12:46	D20
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X512185	JRR	03/26/25 12:46	D20
EPA 200.8	**Uranium**	1.19	mg/L	0.000500	0.000260	5	X512185	JRR	03/26/25 12:46	D20
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X513113	SJN	03/28/25 12:49	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X513084	DD	03/31/25 14:41	D13,M4
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X513018	JPM	03/25/25 11:53	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X512154	DD	03/21/25 13:42	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X512153	JPM	03/24/25 13:06	
SM 2310 B	**Acidity to pH 8.3**	2560	mg/L as CaCO3	10.0			X512169	MWD	03/20/25 11:49	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:33	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:33	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:33	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:33	
SM 2540 C	**Total Diss. Solids**	6560	mg/L	40			X512165	TJL	03/21/25 13:40	
SM 2540 D	**Total Susp. Solids**	12.0	mg/L	5.0			X512166	TJL	03/21/25 15:05	
SM 4500 H B	**pH @18.3°C**	3.6	pH Units				X512137	MWD	03/20/25 13:33	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: **X5C0274**
Reported: 03-Apr-25 13:37

Client Sample ID: **GVMW-25**
SVL Sample ID: **X5C0274-01 (Ground Water)**

Sampled: 17-Mar-25 09:52
Received: 19-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	19.4	mg/L	1.00	0.11	5	X512147	RS	03/19/25 22:28	
EPA 300.0	**Fluoride**	43.4	mg/L	10.0	1.70	100	X512147	RS	03/19/25 22:44	
EPA 300.0	**Nitrate as N**	2.40	mg/L	0.250	0.065	5	X512147	RS	03/19/25 22:28	D18,H3
EPA 300.0	**Nitrate+Nitrite as N**	2.40	mg/L	0.500	0.220	5	X512147	RS	03/19/25 22:28	D18,H3
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X512147	RS	03/19/25 22:28	D18,H3
EPA 300.0	**Sulfate as SO4**	4590	mg/L	30.0	18.0	100	X512147	RS	03/19/25 22:44	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 95.7 meq/L Anion Sum: 98.6 meq/L C/A Balance: -1.51 % Calculated TDS: 5397 TDS/cTDS: 1.22

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: **X5C0274**
Reported: 03-Apr-25 13:37

Client Sample ID: **GVMW-27**
SVL Sample ID: **X5C0274-02 (Ground Water)**

Sampled: 17-Mar-25 11:35
Received: 19-Mar-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**	293	mg/L	0.100	0.069		X514092	SJN	04/02/25 14:28	
EPA 200.7	**Magnesium**	123	mg/L	0.500	0.090		X514092	SJN	04/02/25 14:28	
EPA 200.7	**Potassium**	4.99	mg/L	0.50	0.18		X514092	SJN	04/02/25 14:28	
SM 2340 B	**Hardness (as CaCO3)**	1240	mg/L	2.31	0.543		N/A		04/01/25 12:00	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	144	mg/L	0.080	0.054		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Barium**	0.0142	mg/L	0.0020	0.0019		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Beryllium**	0.114	mg/L	0.00200	0.00080		X513004	SJN	04/01/25 12:00	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Cadmium**	0.344	mg/L	0.0020	0.0016		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Calcium**	291	mg/L	0.100	0.069		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Chromium**	0.0094	mg/L	0.0060	0.0020		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Cobalt**	0.278	mg/L	0.0060	0.0046		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Copper**	0.390	mg/L	0.0100	0.0027		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Iron**	1.55	mg/L	0.100	0.056		X513004	SJN	04/01/25 12:00	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Lithium**	0.058	mg/L	0.040	0.025		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Magnesium**	121	mg/L	0.500	0.090		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Manganese**	55.2	mg/L	0.0080	0.0034		X513004	SJN	04/01/25 12:00	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Nickel**	0.515	mg/L	0.0100	0.0048		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Potassium**	4.75	mg/L	0.50	0.18		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Silver**	0.0072	mg/L	0.0050	0.0019		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Sodium**	40.5	mg/L	0.50	0.12		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Vanadium**	0.0131	mg/L	0.0050	0.0019		X513004	SJN	04/01/25 12:00	
EPA 200.7	**Zinc**	12.2	mg/L	0.0100	0.0054		X513004	SJN	04/01/25 12:00	
EPA 200.8	Antimony	< 0.00500	mg/L	0.00500	0.00360	5	X512185	JRR	03/26/25 12:49	D20
EPA 200.8	**Arsenic**	0.0336	mg/L	0.00500	0.00105	5	X512185	JRR	03/26/25 12:49	D20
EPA 200.8	Selenium	< 0.00500	mg/L	0.00500	0.00120	5	X512185	JRR	03/26/25 12:49	D20
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X512185	JRR	03/26/25 12:49	D20
EPA 200.8	**Uranium**	0.407	mg/L	0.000500	0.000260	5	X512185	JRR	03/26/25 12:49	D20
Metals (Filtered)										
EPA 245.1	**Mercury**	0.000284	mg/L	0.000200	0.000093		X513113	SJN	03/28/25 12:51	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X513084	DD	03/31/25 14:43	D13
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X513018	JPM	03/25/25 11:55	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X512154	DD	03/21/25 13:55	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X512153	JPM	03/24/25 13:08	
SM 2310 B	**Acidity to pH 8.3**	1090	mg/L as CaCO3	10.0			X512169	MWD	03/20/25 11:49	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:39	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:39	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:39	
SM 2540 C	**Total Diss. Solids**	3040	mg/L	40			X512165	TJL	03/21/25 13:40	
SM 2540 D	**Total Susp. Solids**	11.0	mg/L	5.0			X512166	TJL	03/21/25 15:05	
SM 4500 H B	**pH @18.4°C**	4.0	pH Units				X512137	MWD	03/20/25 13:39	H5

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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: **X5C0274**
Reported: 03-Apr-25 13:37

Client Sample ID: **GVMW-27**
SVL Sample ID: **X5C0274-02 (Ground Water)**

Sampled: 17-Mar-25 11:35
Received: 19-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	51.8	mg/L	2.00	0.22	10	X512147	RS	03/19/25 23:16	
EPA 300.0	**Fluoride**	16.3	mg/L	1.00	0.170	10	X512147	RS	03/19/25 23:16	
EPA 300.0	**Nitrate as N**	1.34	mg/L	0.050	0.013		X512147	RS	03/19/25 23:00	H3
EPA 300.0	**Nitrate+Nitrite as N**	1.34	mg/L	0.100	0.044		X512147	RS	03/19/25 23:00	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X512147	RS	03/19/25 23:00	H3
EPA 300.0	**Sulfate as SO4**	2100	mg/L	15.0	9.00	50	X512147	RS	03/20/25 11:20	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 44.8 meq/L Anion Sum: 46.2 meq/L C/A Balance: -1.45 % Calculated TDS: 2633 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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0274**
Reported: 03-Apr-25 13:37

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	X514092	02-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514092	02-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514092	02-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X513004	01-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X513004	01-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X513004	01-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X513004	01-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X513004	01-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X513004	01-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X513004	01-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X513004	01-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X513004	01-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X513004	01-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X513004	01-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X513004	01-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X513004	01-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X513004	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X513004	01-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X513004	01-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X513004	01-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X513004	01-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X513004	01-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X513004	01-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X513004	01-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X512185	26-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X513113	28-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X513084	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X513018	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X512154	21-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X512169	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X512137	20-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X512137	20-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X512137	20-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X512137	20-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X512165	21-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X512166	21-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X512147	19-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X512147	19-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X512147	19-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X512147	19-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X512147	19-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X512147	19-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0274**
Reported: 03-Apr-25 13:37

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	18.4	20.0	92	85 - 115	X514092	02-Apr-25	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.3	85 - 115	X514092	02-Apr-25	
EPA 200.7	Potassium	mg/L	18.8	20.0	94.0	85 - 115	X514092	02-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.998	1.00	99.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X513004	01-Apr-25	
EPA 200.7	Beryllium	mg/L	0.979	1.00	97.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Boron	mg/L	0.987	1.00	98.7	85 - 115	X513004	01-Apr-25	
EPA 200.7	Cadmium	mg/L	0.978	1.00	97.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Calcium	mg/L	19.6	20.0	98.2	85 - 115	X513004	01-Apr-25	
EPA 200.7	Chromium	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Cobalt	mg/L	0.961	1.00	96.1	85 - 115	X513004	01-Apr-25	
EPA 200.7	Copper	mg/L	0.965	1.00	96.5	85 - 115	X513004	01-Apr-25	
EPA 200.7	Iron	mg/L	9.70	10.0	97.0	85 - 115	X513004	01-Apr-25	
EPA 200.7	Lead	mg/L	0.965	1.00	96.5	85 - 115	X513004	01-Apr-25	
EPA 200.7	Lithium	mg/L	1.00	1.00	100	85 - 115	X513004	01-Apr-25	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.6	85 - 115	X513004	01-Apr-25	
EPA 200.7	Manganese	mg/L	0.974	1.00	97.4	85 - 115	X513004	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.977	1.00	97.7	85 - 115	X513004	01-Apr-25	
EPA 200.7	Nickel	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Potassium	mg/L	20.0	20.0	100	85 - 115	X513004	01-Apr-25	
EPA 200.7	Silver	mg/L	0.0482	0.0500	96.4	85 - 115	X513004	01-Apr-25	
EPA 200.7	Sodium	mg/L	18.4	19.0	96.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Vanadium	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Zinc	mg/L	0.954	1.00	95.4	85 - 115	X513004	01-Apr-25	
EPA 200.8	Antimony	mg/L	0.0242	0.0250	96.9	85 - 115	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0236	0.0250	94.5	85 - 115	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	0.0219	0.0250	87.6	85 - 115	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0238	0.0250	95.0	85 - 115	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	0.0256	0.0250	102	85 - 115	X512185	26-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00203	0.00200	102	85 - 115	X513113	28-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0949	0.100	94.9	90 - 110	X513084	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.100	102	90 - 110	X513018	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.963	1.00	96.3	90 - 110	X512154	21-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.105	0.100	105	90 - 110	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	722	706	102	95.4 - 104	X512169	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.8	99.3	99.5	94 - 106	X512137	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	412	397	104	94 - 106	X512137	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.90	9.93	99.7	94 - 106	X512137	20-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X512166	21-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.01	3.00	100	90 - 110	X512147	19-Mar-25	
EPA 300.0	Fluoride	mg/L	1.97	2.00	98.4	90 - 110	X512147	19-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.96	2.00	97.9	90 - 110	X512147	19-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.51	4.50	100	90 - 110	X512147	19-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.55	2.50	102	90 - 110	X512147	19-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.90	10.0	99.0	90 - 110	X512147	19-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0274**
Reported: 03-Apr-25 13:37

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	X512169 - X5C0144-01	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	321	347	7.7	20	X512137 - X5C0211-01	20-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	321	347	7.7	20	X512137 - X5C0211-01	20-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X512137 - X5C0211-01	20-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X512137 - X5C0211-01	20-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	220	213	3.2	10	X512165 - X5C0278-02	21-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	232	234	0.9	10	X512165 - X5C0273-01	21-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	29.0	30.0	3.4	10	X512166 - X5C0273-01	21-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X512166 - X5C0278-02	21-Mar-25	
SM 4500 H B	pH @19.2°C	pH Units	7.8	7.8	0.0	20	X512137 - X5C0211-01	20-Mar-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	19.3	0.265	20.0	95	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Calcium	mg/L	455	447	20.0	0.30R>S	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18,M4
EPA 200.7	Magnesium	mg/L	19.3	<0.500	20.0	96.5	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Magnesium	mg/L	402	393	20.0	0.30R>S	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18,M4
EPA 200.7	Potassium	mg/L	19.5	<0.50	20.0	96.8	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Potassium	mg/L	73.9	54.4	20.0	97.7	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.09	0.124	1.00	96.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Barium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Beryllium	mg/L	0.997	<0.00200	1.00	99.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Cadmium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Calcium	mg/L	20.8	0.224	20.0	103	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Chromium	mg/L	0.993	<0.0060	1.00	99.3	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Cobalt	mg/L	0.988	<0.0060	1.00	98.8	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Copper	mg/L	0.990	<0.0100	1.00	99.0	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Lead	mg/L	1.00	<0.0075	1.00	100	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	101	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Magnesium	mg/L	20.9	<0.500	20.0	105	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Manganese	mg/L	1.04	0.0357	1.00	100	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.987	<0.0080	1.00	98.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Nickel	mg/L	0.991	<0.0100	1.00	99.1	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Potassium	mg/L	21.1	<0.50	20.0	105	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Silver	mg/L	0.0499	<0.0050	0.0500	99.8	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Sodium	mg/L	20.2	0.74	19.0	103	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Vanadium	mg/L	0.990	<0.0050	1.00	99.0	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Zinc	mg/L	1.01	0.0134	1.00	99.9	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.8	Antimony	mg/L	0.0253	<0.00100	0.0250	101	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Antimony	mg/L	<0.0500	<0.0500	0.0250	N/A	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
EPA 200.8	Arsenic	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.359	0.328	0.0250	123	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Selenium	mg/L	0.0269	<0.00100	0.0250	106	70 - 130	X512185 - X5C0144-01	26-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0274**
Reported: 03-Apr-25 13:37

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 200.8	Selenium	mg/L	<0.0500	<0.0500	0.0250	75.4	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.6	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0229	<0.0100	0.0250	91.7	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Uranium	mg/L	0.0310	0.00494	0.0250	104	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Uranium	mg/L	3.82	3.75	0.0250	0.30R>S	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00216	<0.000200	0.00200	108	70 - 130	X513113 - X5C0274-01	28-Mar-25	
EPA 245.1	Mercury	mg/L	0.00226	0.000436	0.00200	91.4	70 - 130	X513113 - X5C0310-01	28-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.132	<0.0500	0.100	132	79 - 121	X513084 - X5C0274-01	31-Mar-25	M4
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	<0.0500	0.100	105	79 - 121	X513084 - X5C0274-02	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.108	<0.0050	0.100	108	90 - 110	X513018 - X5C0235-04	25-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.106	<0.0050	0.100	106	90 - 110	X513018 - X5C0235-03	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.992	<0.030	1.00	99.2	90 - 110	X512154 - X5C0262-02	21-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.149	<0.030	1.00	14.9	90 - 110	X512154 - X5C0262-01	21-Mar-25	M2
OIA 1677	Cyanide (WAD)	mg/L	0.0968	<0.0050	0.100	96.8	82 - 118	X512153 - X5C0117-02	24-Mar-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.74	4.66	3.00	103	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Chloride	mg/L	7.91	4.91	3.00	100	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Fluoride	mg/L	2.13	0.131	2.00	99.8	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Fluoride	mg/L	2.15	0.139	2.00	101	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Nitrate as N	mg/L	3.35	1.33	2.00	101	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Nitrate as N	mg/L	2.33	0.366	2.00	98.4	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.37	1.34	4.00	101	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.34	0.366	4.00	99.4	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	20.0	9.95	10.0	100	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	30.6	20.6	10.0	99.7	90 - 110	X512147 - X5C0275-04	19-Mar-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	19.1	19.3	20.0	1.0	20	94	X514092 - X5C0272-01	
EPA 200.7	Magnesium	mg/L	19.1	19.3	20.0	1.2	20	95.3	X514092 - X5C0272-01	
EPA 200.7	Potassium	mg/L	19.3	19.5	20.0	1.1	20	95.8	X514092 - X5C0272-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.12	1.09	1.00	2.5	20	99.4	X513004 - X5C0272-01	
EPA 200.7	Barium	mg/L	1.02	1.02	1.00	0.5	20	102	X513004 - X5C0272-01	
EPA 200.7	Beryllium	mg/L	1.00	0.997	1.00	0.4	20	100	X513004 - X5C0272-01	
EPA 200.7	Boron	mg/L	1.03	1.02	1.00	0.3	20	103	X513004 - X5C0272-01	
EPA 200.7	Cadmium	mg/L	1.03	1.02	1.00	1.0	20	103	X513004 - X5C0272-01	
EPA 200.7	Calcium	mg/L	19.7	20.8	20.0	5.5	20	97.3	X513004 - X5C0272-01	
EPA 200.7	Chromium	mg/L	0.993	0.993	1.00	0.0	20	99.3	X513004 - X5C0272-01	
EPA 200.7	Cobalt	mg/L	1.00	0.988	1.00	1.2	20	100	X513004 - X5C0272-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0274**
Reported: 03-Apr-25 13:37

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	Copper	mg/L	0.987	0.990	1.00	0.3	20	98.7	X513004 - X5C0272-01	
EPA 200.7	Iron	mg/L	9.75	10.2	10.0	4.8	20	97.5	X513004 - X5C0272-01	
EPA 200.7	Lead	mg/L	1.01	1.00	1.00	1.2	20	101	X513004 - X5C0272-01	
EPA 200.7	Lithium	mg/L	0.998	1.01	1.00	0.7	20	99.8	X513004 - X5C0272-01	
EPA 200.7	Magnesium	mg/L	19.9	20.9	20.0	5.0	20	99.4	X513004 - X5C0272-01	
EPA 200.7	Manganese	mg/L	1.04	1.04	1.00	0.1	20	100	X513004 - X5C0272-01	
EPA 200.7	Molybdenum	mg/L	1.00	0.987	1.00	1.5	20	100	X513004 - X5C0272-01	
EPA 200.7	Nickel	mg/L	1.00	0.991	1.00	1.2	20	100	X513004 - X5C0272-01	
EPA 200.7	Potassium	mg/L	20.0	21.1	20.0	5.5	20	99.8	X513004 - X5C0272-01	
EPA 200.7	Silver	mg/L	0.0492	0.0499	0.0500	1.3	20	98.5	X513004 - X5C0272-01	
EPA 200.7	Sodium	mg/L	19.2	20.2	19.0	5.4	20	97.0	X513004 - X5C0272-01	
EPA 200.7	Vanadium	mg/L	0.990	0.990	1.00	0.0	20	99.0	X513004 - X5C0272-01	
EPA 200.7	Zinc	mg/L	1.02	1.01	1.00	0.9	20	101	X513004 - X5C0272-01	
EPA 200.8	Antimony	mg/L	0.0254	0.0253	0.0250	0.3	20	102	X512185 - X5C0144-01	
EPA 200.8	Arsenic	mg/L	0.0257	0.0255	0.0250	0.6	20	103	X512185 - X5C0144-01	
EPA 200.8	Selenium	mg/L	0.0273	0.0269	0.0250	1.4	20	107	X512185 - X5C0144-01	
EPA 200.8	Thallium	mg/L	0.0236	0.0234	0.0250	0.8	20	94.4	X512185 - X5C0144-01	
EPA 200.8	Uranium	mg/L	0.0311	0.0310	0.0250	0.6	20	105	X512185 - X5C0144-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00216	0.00200	1.3	20	107	X513113 - X5C0274-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.129	0.132	0.100	2.0	11	129	X513084 - X5C0274-01	M4
EPA 335.4	Cyanide (total)	mg/L	0.0978	0.108	0.100	9.5	20	97.8	X513018 - X5C0235-04	
EPA 350.1	Ammonia as N	mg/L	1.08	0.992	1.00	8.1	20	108	X512154 - X5C0262-02	
OIA 1677	Cyanide (WAD)	mg/L	0.0926	0.0968	0.100	4.4	11	92.6	X512153 - X5C0117-02	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.78	7.74	3.00	0.5	20	104	X512147 - X5C0273-02	
EPA 300.0	Fluoride	mg/L	2.11	2.13	2.00	1.0	20	98.7	X512147 - X5C0273-02	
EPA 300.0	Nitrate as N	mg/L	3.35	3.35	2.00	0.1	20	101	X512147 - X5C0273-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.37	5.37	4.00	0.2	20	101	X512147 - X5C0273-02	
EPA 300.0	Nitrite as N	mg/L	2.03	2.02	2.00	0.3	20	101	X512147 - X5C0273-02	
EPA 300.0	Sulfate as SO4	mg/L	20.1	20.0	10.0	0.5	20	101	X512147 - X5C0273-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0274**
Victor, CO 80860	Reported: 03-Apr-25 13:37

Notes and Definitions

D13	Due to noticeable turbidity or opacity, a sample dilution was performed.
D18	Due to a published chemical interference, a sample dilution was performed.
D20	sample contained high concentration of non target analytes, diluted to mitigate matrix effects
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.
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.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
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: **X5C0272**
Victor, CO 80860	Reported: 03-Apr-25 13:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
RB-0317	X5C0272-01	Ground Water	17-Mar-25 10:06	TR	19-Mar-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: X5C0272

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: **X5C0272**
Reported: 03-Apr-25 13:21

Client Sample ID: **RB-0317**
SVL Sample ID: **X5C0272-01 (Ground Water)**

Sampled: 17-Mar-25 10:06
Received: 19-Mar-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**	0.265	mg/L	0.100	0.069		X514092	SJN	04/02/25 14:25	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X514092	SJN	04/02/25 14:25	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X514092	SJN	04/02/25 14:25	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		04/01/25 11:52	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.124	mg/L	0.080	0.054		X513004	SJN	04/01/25 11:52	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X513004	SJN	04/01/25 11:52	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X513004	SJN	04/01/25 11:52	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X513004	SJN	04/01/25 11:52	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X513004	SJN	04/01/25 11:52	
EPA 200.7	**Calcium**	0.224	mg/L	0.100	0.069		X513004	SJN	04/01/25 11:52	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X513004	SJN	04/01/25 11:52	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X513004	SJN	04/01/25 11:52	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X513004	SJN	04/01/25 11:52	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X513004	SJN	04/01/25 11:52	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X513004	SJN	04/01/25 11:52	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X513004	SJN	04/01/25 11:52	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X513004	SJN	04/01/25 11:52	
EPA 200.7	**Manganese**	0.0357	mg/L	0.0080	0.0034		X513004	SJN	04/01/25 11:52	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X513004	SJN	04/01/25 11:52	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X513004	SJN	04/01/25 11:52	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X513004	SJN	04/01/25 11:52	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X513004	SJN	04/01/25 11:52	
EPA 200.7	**Sodium**	0.74	mg/L	0.50	0.12		X513004	SJN	04/01/25 11:52	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X513004	SJN	04/01/25 11:52	
EPA 200.7	**Zinc**	0.0134	mg/L	0.0100	0.0054		X513004	SJN	04/01/25 11:52	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X512185	JRR	03/26/25 12:43	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X512185	JRR	03/26/25 12:43	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X512185	JRR	03/26/25 12:43	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X512185	JRR	03/26/25 12:43	
EPA 200.8	**Uranium**	0.000360	mg/L	0.000100	0.000052		X512185	JRR	03/26/25 12:43	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X513107	SJN	03/28/25 12:11	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X513084	DD	03/31/25 14:34	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X513017	JPM	03/25/25 10:05	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X512155	JPM	03/27/25 18:43	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X512153	JPM	03/24/25 13:04	
SM 2310 B	**Acidity to pH 8.3**	-11.1	mg/L as CaCO3	10.0			X512169	MWD	03/20/25 11:49	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:28	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:28	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X512137	MWD	03/20/25 13:28	
SM 2540 C	Total Diss. Solids	< 10	mg/L	10			X512165	TJL	03/21/25 13:40	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X512166	TJL	03/21/25 15:05	
SM 4500 H B	**pH @18.3°C**	5.1	pH Units				X512137	MWD	03/20/25 13:28	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: **X5C0272**
Reported: 03-Apr-25 13:21

Client Sample ID: **RB-0317**
SVL Sample ID: **X5C0272-01 (Ground Water)**

Sampled: 17-Mar-25 10:06
Received: 19-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.29	mg/L	0.20	0.02		X512147	RS	03/19/25 22:12	
EPA 300.0	**Fluoride**	0.212	mg/L	0.100	0.017		X512147	RS	03/19/25 22:12	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X512147	RS	03/19/25 22:12	H3
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X512147	RS	03/19/25 22:12	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X512147	RS	03/19/25 22:12	H3
EPA 300.0	**Sulfate as SO4**	3.49	mg/L	0.30	0.18		X512147	RS	03/19/25 22:12	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.08 meq/L Anion Sum: 0.12 meq/L C/A Balance: -19.51 % Calculated TDS: 5 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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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0272**
Reported: 03-Apr-25 13:21

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X514092	02-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514092	02-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514092	02-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X513004	01-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X513004	01-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X513004	01-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X513004	01-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X513004	01-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X513004	01-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X513004	01-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X513004	01-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X513004	01-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X513004	01-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X513004	01-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X513004	01-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X513004	01-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X513004	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X513004	01-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X513004	01-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X513004	01-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X513004	01-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X513004	01-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X513004	01-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X513004	01-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X512185	26-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X513107	28-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X513084	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X513017	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X512155	27-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X512169	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X512137	20-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X512137	20-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X512137	20-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X512137	20-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X512165	21-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X512166	21-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X512147	19-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X512147	19-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X512147	19-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X512147	19-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X512147	19-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X512147	19-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0272**
Reported: 03-Apr-25 13:21

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	18.4	20.0	92	85 - 115	X514092	02-Apr-25	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.3	85 - 115	X514092	02-Apr-25	
EPA 200.7	Potassium	mg/L	18.8	20.0	94.0	85 - 115	X514092	02-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.998	1.00	99.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X513004	01-Apr-25	
EPA 200.7	Beryllium	mg/L	0.979	1.00	97.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Boron	mg/L	0.987	1.00	98.7	85 - 115	X513004	01-Apr-25	
EPA 200.7	Cadmium	mg/L	0.978	1.00	97.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Calcium	mg/L	19.6	20.0	98.2	85 - 115	X513004	01-Apr-25	
EPA 200.7	Chromium	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Cobalt	mg/L	0.961	1.00	96.1	85 - 115	X513004	01-Apr-25	
EPA 200.7	Copper	mg/L	0.965	1.00	96.5	85 - 115	X513004	01-Apr-25	
EPA 200.7	Iron	mg/L	9.70	10.0	97.0	85 - 115	X513004	01-Apr-25	
EPA 200.7	Lead	mg/L	0.965	1.00	96.5	85 - 115	X513004	01-Apr-25	
EPA 200.7	Lithium	mg/L	1.00	1.00	100	85 - 115	X513004	01-Apr-25	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.6	85 - 115	X513004	01-Apr-25	
EPA 200.7	Manganese	mg/L	0.974	1.00	97.4	85 - 115	X513004	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.977	1.00	97.7	85 - 115	X513004	01-Apr-25	
EPA 200.7	Nickel	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Potassium	mg/L	20.0	20.0	100	85 - 115	X513004	01-Apr-25	
EPA 200.7	Silver	mg/L	0.0482	0.0500	96.4	85 - 115	X513004	01-Apr-25	
EPA 200.7	Sodium	mg/L	18.4	19.0	96.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Vanadium	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Zinc	mg/L	0.954	1.00	95.4	85 - 115	X513004	01-Apr-25	
EPA 200.8	Antimony	mg/L	0.0242	0.0250	96.9	85 - 115	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0236	0.0250	94.5	85 - 115	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	0.0219	0.0250	87.6	85 - 115	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0238	0.0250	95.0	85 - 115	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	0.0256	0.0250	102	85 - 115	X512185	26-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00203	0.00200	101	85 - 115	X513107	28-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0949	0.100	94.9	90 - 110	X513084	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.107	0.100	107	90 - 110	X513017	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.912	1.00	91.2	90 - 110	X512155	27-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.105	0.100	105	90 - 110	X512153	24-Mar-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	722	706	102	95.4 - 104	X512169	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.8	99.3	99.5	94 - 106	X512137	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	412	397	104	94 - 106	X512137	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.90	9.93	99.7	94 - 106	X512137	20-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X512166	21-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.01	3.00	100	90 - 110	X512147	19-Mar-25	
EPA 300.0	Fluoride	mg/L	1.97	2.00	98.4	90 - 110	X512147	19-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.96	2.00	97.9	90 - 110	X512147	19-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.51	4.50	100	90 - 110	X512147	19-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.55	2.50	102	90 - 110	X512147	19-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.90	10.0	99.0	90 - 110	X512147	19-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0272**
Reported: 03-Apr-25 13:21

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X512169 - X5C0144-01	20-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	321	347	7.7	20	X512137 - X5C0211-01	20-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	321	347	7.7	20	X512137 - X5C0211-01	20-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X512137 - X5C0211-01	20-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X512137 - X5C0211-01	20-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	220	213	3.2	10	X512165 - X5C0278-02	21-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	232	234	0.9	10	X512165 - X5C0273-01	21-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	29.0	30.0	3.4	10	X512166 - X5C0273-01	21-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X512166 - X5C0278-02	21-Mar-25	
SM 4500 H B	pH @19.2°C	pH Units	7.8	7.8	0.0	20	X512137 - X5C0211-01	20-Mar-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	19.3	0.265	20.0	95	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Calcium	mg/L	455	447	20.0	0.30R>S	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18,M4
EPA 200.7	Magnesium	mg/L	19.3	<0.500	20.0	96.5	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Magnesium	mg/L	402	393	20.0	0.30R>S	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18,M4
EPA 200.7	Potassium	mg/L	19.5	<0.50	20.0	96.8	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Potassium	mg/L	73.9	54.4	20.0	97.7	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.09	0.124	1.00	96.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Barium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Beryllium	mg/L	0.997	<0.00200	1.00	99.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Cadmium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Calcium	mg/L	20.8	0.224	20.0	103	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Chromium	mg/L	0.993	<0.0060	1.00	99.3	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Cobalt	mg/L	0.988	<0.0060	1.00	98.8	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Copper	mg/L	0.990	<0.0100	1.00	99.0	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Lead	mg/L	1.00	<0.0075	1.00	100	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	101	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Magnesium	mg/L	20.9	<0.500	20.0	105	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Manganese	mg/L	1.04	0.0357	1.00	100	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.987	<0.0080	1.00	98.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Nickel	mg/L	0.991	<0.0100	1.00	99.1	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Potassium	mg/L	21.1	<0.50	20.0	105	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Silver	mg/L	0.0499	<0.0050	0.0500	99.8	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Sodium	mg/L	20.2	0.74	19.0	103	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Vanadium	mg/L	0.990	<0.0050	1.00	99.0	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Zinc	mg/L	1.01	0.0134	1.00	99.9	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.8	Antimony	mg/L	0.0253	<0.00100	0.0250	101	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Antimony	mg/L	<0.0500	<0.0500	0.0250	N/A	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
EPA 200.8	Arsenic	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.359	0.328	0.0250	123	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Selenium	mg/L	0.0269	<0.00100	0.0250	106	70 - 130	X512185 - X5C0144-01	26-Mar-25	

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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: **X5C0272**
Reported: 03-Apr-25 13:21

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.8	Selenium	mg/L	<0.0500	<0.0500	0.0250	75.4	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.6	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0229	<0.0100	0.0250	91.7	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Uranium	mg/L	0.0310	0.00494	0.0250	104	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Uranium	mg/L	3.82	3.75	0.0250	0.30R>S	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.145	0.139	0.00200	0.30R>S	70 - 130	X513107 - X5C0236-01	28-Mar-25	M4
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.132	<0.0500	0.100	132	79 - 121	X513084 - X5C0274-01	31-Mar-25	M4
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	<0.0500	0.100	105	79 - 121	X513084 - X5C0274-02	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.105	<0.0050	0.100	105	90 - 110	X513017 - X5C0321-14	25-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.109	<0.0050	0.100	105	90 - 110	X513017 - X5C0321-13	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.04	<0.030	1.00	102	90 - 110	X512155 - X5C0275-01	27-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.04	<0.030	1.00	102	90 - 110	X512155 - X5C0272-01	27-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0968	<0.0050	0.100	96.8	82 - 118	X512153 - X5C0117-02	24-Mar-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.74	4.66	3.00	103	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Chloride	mg/L	7.91	4.91	3.00	100	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Fluoride	mg/L	2.13	0.131	2.00	99.8	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Fluoride	mg/L	2.15	0.139	2.00	101	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Nitrate as N	mg/L	3.35	1.33	2.00	101	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Nitrate as N	mg/L	2.33	0.366	2.00	98.4	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.37	1.34	4.00	101	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.34	0.366	4.00	99.4	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X512147 - X5C0275-04	19-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	20.0	9.95	10.0	100	90 - 110	X512147 - X5C0273-02	19-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	30.6	20.6	10.0	99.7	90 - 110	X512147 - X5C0275-04	19-Mar-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	19.1	19.3	20.0	1.0	20	94	X514092 - X5C0272-01	
EPA 200.7	Magnesium	mg/L	19.1	19.3	20.0	1.2	20	95.3	X514092 - X5C0272-01	
EPA 200.7	Potassium	mg/L	19.3	19.5	20.0	1.1	20	95.8	X514092 - X5C0272-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.12	1.09	1.00	2.5	20	99.4	X513004 - X5C0272-01	
EPA 200.7	Barium	mg/L	1.02	1.02	1.00	0.5	20	102	X513004 - X5C0272-01	
EPA 200.7	Beryllium	mg/L	1.00	0.997	1.00	0.4	20	100	X513004 - X5C0272-01	
EPA 200.7	Boron	mg/L	1.03	1.02	1.00	0.3	20	103	X513004 - X5C0272-01	
EPA 200.7	Cadmium	mg/L	1.03	1.02	1.00	1.0	20	103	X513004 - X5C0272-01	
EPA 200.7	Calcium	mg/L	19.7	20.8	20.0	5.5	20	97.3	X513004 - X5C0272-01	
EPA 200.7	Chromium	mg/L	0.993	0.993	1.00	0.0	20	99.3	X513004 - X5C0272-01	
EPA 200.7	Cobalt	mg/L	1.00	0.988	1.00	1.2	20	100	X513004 - X5C0272-01	
EPA 200.7	Copper	mg/L	0.987	0.990	1.00	0.3	20	98.7	X513004 - X5C0272-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0272**
Reported: 03-Apr-25 13:21

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Iron	mg/L	9.75	10.2	10.0	4.8	20	97.5	X513004 - X5C0272-01	
EPA 200.7	Lead	mg/L	1.01	1.00	1.00	1.2	20	101	X513004 - X5C0272-01	
EPA 200.7	Lithium	mg/L	0.998	1.01	1.00	0.7	20	99.8	X513004 - X5C0272-01	
EPA 200.7	Magnesium	mg/L	19.9	20.9	20.0	5.0	20	99.4	X513004 - X5C0272-01	
EPA 200.7	Manganese	mg/L	1.04	1.04	1.00	0.1	20	100	X513004 - X5C0272-01	
EPA 200.7	Molybdenum	mg/L	1.00	0.987	1.00	1.5	20	100	X513004 - X5C0272-01	
EPA 200.7	Nickel	mg/L	1.00	0.991	1.00	1.2	20	100	X513004 - X5C0272-01	
EPA 200.7	Potassium	mg/L	20.0	21.1	20.0	5.5	20	99.8	X513004 - X5C0272-01	
EPA 200.7	Silver	mg/L	0.0492	0.0499	0.0500	1.3	20	98.5	X513004 - X5C0272-01	
EPA 200.7	Sodium	mg/L	19.2	20.2	19.0	5.4	20	97.0	X513004 - X5C0272-01	
EPA 200.7	Vanadium	mg/L	0.990	0.990	1.00	0.0	20	99.0	X513004 - X5C0272-01	
EPA 200.7	Zinc	mg/L	1.02	1.01	1.00	0.9	20	101	X513004 - X5C0272-01	
EPA 200.8	Antimony	mg/L	0.0254	0.0253	0.0250	0.3	20	102	X512185 - X5C0144-01	
EPA 200.8	Arsenic	mg/L	0.0257	0.0255	0.0250	0.6	20	103	X512185 - X5C0144-01	
EPA 200.8	Selenium	mg/L	0.0273	0.0269	0.0250	1.4	20	107	X512185 - X5C0144-01	
EPA 200.8	Thallium	mg/L	0.0236	0.0234	0.0250	0.8	20	94.4	X512185 - X5C0144-01	
EPA 200.8	Uranium	mg/L	0.0311	0.0310	0.0250	0.6	20	105	X512185 - X5C0144-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.140	0.145	0.00200	3.7	20	0.30R>S	X513107 - X5C0236-01	M4
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.129	0.132	0.100	2.0	11	129	X513084 - X5C0274-01	M4
EPA 335.4	Cyanide (total)	mg/L	0.106	0.105	0.100	0.7	20	106	X513017 - X5C0321-14	
EPA 350.1	Ammonia as N	mg/L	1.02	1.04	1.00	1.7	20	99.8	X512155 - X5C0275-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0926	0.0968	0.100	4.4	11	92.6	X512153 - X5C0117-02	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.78	7.74	3.00	0.5	20	104	X512147 - X5C0273-02	
EPA 300.0	Fluoride	mg/L	2.11	2.13	2.00	1.0	20	98.7	X512147 - X5C0273-02	
EPA 300.0	Nitrate as N	mg/L	3.35	3.35	2.00	0.1	20	101	X512147 - X5C0273-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.37	5.37	4.00	0.2	20	101	X512147 - X5C0273-02	
EPA 300.0	Nitrite as N	mg/L	2.03	2.02	2.00	0.3	20	101	X512147 - X5C0273-02	
EPA 300.0	Sulfate as SO4	mg/L	20.1	20.0	10.0	0.5	20	101	X512147 - X5C0273-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0272**
Victor, CO 80860	Reported: 03-Apr-25 13:21

Notes and Definitions

D18	Due to a published chemical interference, a sample dilution was performed.
D20	sample contained high concentration of non target analytes, diluted to mitigate matrix effects
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.
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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0295**
Victor, CO 80860	Reported: 04-Apr-25 12:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-28	X5C0295-01	Ground Water	18-Mar-25 11:50	JC	20-Mar-2025	Q5B
GVMW-10	X5C0295-02	Ground Water	18-Mar-25 10:30	JC	20-Mar-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.
This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

Case Narrative: X5C0295

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: **X5C0295**
Reported: 04-Apr-25 12:29

Client Sample ID: **GVMW-28**
SVL Sample ID: **X5C0295-01 (Ground Water)**

Sampled: 18-Mar-25 11:50
Received: 20-Mar-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**	447	mg/L	0.100	0.069		X514092	SJN	04/02/25 14:30	
EPA 200.7	**Magnesium**	449	mg/L	0.500	0.090		X514092	SJN	04/02/25 14:30	
EPA 200.7	**Potassium**	1.91	mg/L	0.50	0.18		X514092	SJN	04/02/25 14:30	
SM 2340 B	**Hardness (as CaCO3)**	2960	mg/L	2.31	0.543		N/A		04/01/25 12:04	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	1340	mg/L	0.400	0.270	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	Barium	< 0.0100	mg/L	0.0100	0.0095	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Beryllium**	0.762	mg/L	0.0100	0.00400	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	Boron	< 0.200	mg/L	0.200	0.0390	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Cadmium**	2.60	mg/L	0.0100	0.0080	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Calcium**	426	mg/L	0.500	0.345	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Chromium**	0.211	mg/L	0.0300	0.0100	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Cobalt**	2.33	mg/L	0.0300	0.0230	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Copper**	6.04	mg/L	0.0500	0.0135	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Iron**	94.7	mg/L	0.500	0.280	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Lead**	0.0533	mg/L	0.0375	0.0245	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Lithium**	0.387	mg/L	0.200	0.125	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Magnesium**	442	mg/L	2.50	0.450	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Manganese**	361	mg/L	0.0400	0.0170	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	Molybdenum	< 0.0400	mg/L	0.0400	0.0170	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Nickel**	3.60	mg/L	0.0500	0.0240	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	Potassium	< 2.50	mg/L	2.50	0.90	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Silver**	0.0318	mg/L	0.0250	0.0095	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Sodium**	33.9	mg/L	2.50	0.60	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Vanadium**	0.0865	mg/L	0.0250	0.0095	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.7	**Zinc**	103	mg/L	0.0500	0.0270	5	X513004	SJN	04/01/25 12:04	D11
EPA 200.8	Antimony	< 0.0500	mg/L	0.0500	0.0360	50	X512185	JRR	03/26/25 12:52	D20,M4
EPA 200.8	**Arsenic**	0.328	mg/L	0.0500	0.0105	50	X512185	JRR	03/26/25 12:52	D20
EPA 200.8	Selenium	< 0.0500	mg/L	0.0500	0.0120	50	X512185	JRR	03/26/25 12:52	D20
EPA 200.8	Thallium	< 0.0100	mg/L	0.0100	0.00400	50	X512185	JRR	03/26/25 12:52	D20
EPA 200.8	**Uranium**	3.75	mg/L	0.00500	0.00260	50	X512185	JRR	03/26/25 12:52	D20,M4
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X513113	SJN	03/28/25 12:54	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X513084	DD	03/31/25 15:04	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X513018	JPM	03/25/25 11:57	
EPA 350.1	**Ammonia as N**	0.041	mg/L	0.030	0.013		X513041	JPM	03/26/25 15:14	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X514089	JPM	04/03/25 14:35	H1,M2
SM 2310 B	**Acidity to pH 8.3**	251	mg/L as CaCO3	10.0			X514036	MWD	03/31/25 16:55	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 14:54	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 14:54	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 14:54	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 14:54	
SM 2540 C	**Total Diss. Solids**	16300	mg/L	100			X512236	TJL	03/25/25 13:45	
SM 2540 D	**Total Susp. Solids**	37.0	mg/L	5.0			X512237	TJL	03/25/25 13:20	
SM 4500 H B	**pH @18.8°C**	2.9	pH Units				X512220	JDB	03/24/25 14:54	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
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0295**
Reported: 04-Apr-25 12:29

Client Sample ID: **GVMW-28**
SVL Sample ID: **X5C0295-01 (Ground Water)**

Sampled: 18-Mar-25 11:50
Received: 20-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.79	mg/L	2.00	0.22	10	X512177	RS	03/20/25 10:59	D18
EPA 300.0	**Fluoride**	149	mg/L	25.0	4.25	250	X512177	RS	03/20/25 11:14	
EPA 300.0	**Nitrate as N**	5.61	mg/L	0.500	0.130	10	X512177	RS	03/20/25 10:59	H3,D18
EPA 300.0	**Nitrate+Nitrite as N**	5.61	mg/L	1.00	0.440	10	X512177	RS	03/20/25 10:59	D18,H3
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X512177	RS	03/20/25 10:59	D18,H3
EPA 300.0	**Sulfate as SO4**	11900	mg/L	75.0	45.0	250	X512177	RS	03/20/25 11:14	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 228 meq/L Anion Sum: 256 meq/L C/A Balance: -5.79 % Calculated TDS: 12995 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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0295**
Reported: 04-Apr-25 12:29

Client Sample ID: **GVMW-10**
SVL Sample ID: **X5C0295-02 (Ground Water)**

Sampled: 18-Mar-25 10:30
Received: 20-Mar-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**	353	mg/L	0.100	0.069		X514092	SJN	04/02/25 14:31	
EPA 200.7	**Magnesium**	145	mg/L	0.500	0.090		X514092	SJN	04/02/25 14:31	
EPA 200.7	**Potassium**	2.94	mg/L	0.50	0.18		X514092	SJN	04/02/25 14:31	
SM 2340 B	**Hardness (as CaCO3)**	1480	mg/L	2.31	0.543		N/A		04/01/25 12:08	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Barium**	0.0169	mg/L	0.0020	0.0019		X513004	SJN	04/01/25 12:08	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X513004	SJN	04/01/25 12:08	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X513004	SJN	04/01/25 12:08	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Calcium**	359	mg/L	0.100	0.069		X513004	SJN	04/01/25 12:08	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X513004	SJN	04/01/25 12:08	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Copper**	0.0101	mg/L	0.0100	0.0027		X513004	SJN	04/01/25 12:08	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X513004	SJN	04/01/25 12:08	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X513004	SJN	04/01/25 12:08	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Magnesium**	144	mg/L	0.500	0.090		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Manganese**	1.71	mg/L	0.0080	0.0034		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Molybdenum**	0.0423	mg/L	0.0080	0.0034		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Nickel**	0.0123	mg/L	0.0100	0.0048		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Potassium**	2.79	mg/L	0.50	0.18		X513004	SJN	04/01/25 12:08	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Sodium**	43.5	mg/L	0.50	0.12		X513004	SJN	04/01/25 12:08	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X513004	SJN	04/01/25 12:08	
EPA 200.7	**Zinc**	0.119	mg/L	0.0100	0.0054		X513004	SJN	04/01/25 12:08	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X512185	JRR	03/26/25 12:58	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X512185	JRR	03/26/25 12:58	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X512185	JRR	03/26/25 12:58	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X512185	JRR	03/26/25 12:58	
EPA 200.8	**Uranium**	0.0423	mg/L	0.000100	0.000052		X512185	JRR	03/26/25 12:58	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X513113	SJN	03/28/25 12:56	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X513084	DD	03/31/25 15:06	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X513018	JPM	03/25/25 12:07	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X513041	JPM	03/26/25 15:25	
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X514089	JPM	04/03/25 14:37	D13,H1
SM 2310 B	**Acidity to pH 8.3**	-333	mg/L as CaCO3	10.0			X514036	MWD	03/31/25 16:55	
SM 2320 B	**Total Alkalinity**	335	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 15:00	
SM 2320 B	**Bicarbonate**	335	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 15:00	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 15:00	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 15:00	
SM 2540 C	**Total Diss. Solids**	2550	mg/L	40			X512236	TJL	03/25/25 13:45	
SM 2540 D	**Total Susp. Solids**	20.0	mg/L	5.0			X512237	TJL	03/25/25 13:20	
SM 4500 H B	**pH @18.9°C**	7.2	pH Units				X512220	JDB	03/24/25 15:00	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: **X5C0295**
Reported: 04-Apr-25 12:29

Client Sample ID: **GVMW-10**
SVL Sample ID: **X5C0295-02 (Ground Water)**

Sampled: 18-Mar-25 10:30
Received: 20-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.46	mg/L	0.20	0.02		X512177	RS	03/20/25 10:27	
EPA 300.0	**Fluoride**	1.46	mg/L	0.100	0.017		X512177	RS	03/20/25 10:27	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X512177	RS	03/20/25 10:27	H3
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X512177	RS	03/20/25 10:27	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X512177	RS	03/20/25 10:27	H3
EPA 300.0	**Sulfate as SO4**	1240	mg/L	15.0	9.00	50	X512177	RS	03/20/25 10:43	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 31.5 meq/L Anion Sum: 32.7 meq/L C/A Balance: -1.92 % Calculated TDS: 1995 TDS/cTDS: 1.28

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0295**
Reported: 04-Apr-25 12:29

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	X514092	02-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514092	02-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514092	02-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X513004	01-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X513004	01-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X513004	01-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X513004	01-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X513004	01-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X513004	01-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X513004	01-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X513004	01-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X513004	01-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X513004	01-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X513004	01-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X513004	01-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X513004	01-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X513004	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X513004	01-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X513004	01-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X513004	01-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X513004	01-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X513004	01-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X513004	01-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X513004	01-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X512185	26-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X513113	28-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X513084	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X513018	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X513041	26-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X514089	03-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X514036	31-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X512220	24-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X512220	24-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X512220	24-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X512220	24-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X512236	25-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X512237	25-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X512177	20-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X512177	20-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X512177	20-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X512177	20-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X512177	20-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X512177	21-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0295**
Reported: 04-Apr-25 12:29

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	18.4	20.0	92	85 - 115	X514092	02-Apr-25	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.3	85 - 115	X514092	02-Apr-25	
EPA 200.7	Potassium	mg/L	18.8	20.0	94.0	85 - 115	X514092	02-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.998	1.00	99.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X513004	01-Apr-25	
EPA 200.7	Beryllium	mg/L	0.979	1.00	97.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Boron	mg/L	0.987	1.00	98.7	85 - 115	X513004	01-Apr-25	
EPA 200.7	Cadmium	mg/L	0.978	1.00	97.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Calcium	mg/L	19.6	20.0	98.2	85 - 115	X513004	01-Apr-25	
EPA 200.7	Chromium	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Cobalt	mg/L	0.961	1.00	96.1	85 - 115	X513004	01-Apr-25	
EPA 200.7	Copper	mg/L	0.965	1.00	96.5	85 - 115	X513004	01-Apr-25	
EPA 200.7	Iron	mg/L	9.70	10.0	97.0	85 - 115	X513004	01-Apr-25	
EPA 200.7	Lead	mg/L	0.965	1.00	96.5	85 - 115	X513004	01-Apr-25	
EPA 200.7	Lithium	mg/L	1.00	1.00	100	85 - 115	X513004	01-Apr-25	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.6	85 - 115	X513004	01-Apr-25	
EPA 200.7	Manganese	mg/L	0.974	1.00	97.4	85 - 115	X513004	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.977	1.00	97.7	85 - 115	X513004	01-Apr-25	
EPA 200.7	Nickel	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Potassium	mg/L	20.0	20.0	100	85 - 115	X513004	01-Apr-25	
EPA 200.7	Silver	mg/L	0.0482	0.0500	96.4	85 - 115	X513004	01-Apr-25	
EPA 200.7	Sodium	mg/L	18.4	19.0	96.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Vanadium	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Zinc	mg/L	0.954	1.00	95.4	85 - 115	X513004	01-Apr-25	
EPA 200.8	Antimony	mg/L	0.0242	0.0250	96.9	85 - 115	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0236	0.0250	94.5	85 - 115	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	0.0219	0.0250	87.6	85 - 115	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0238	0.0250	95.0	85 - 115	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	0.0256	0.0250	102	85 - 115	X512185	26-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00203	0.00200	102	85 - 115	X513113	28-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0949	0.100	94.9	90 - 110	X513084	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.100	102	90 - 110	X513018	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X513041	26-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.100	106	90 - 110	X514089	03-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X514036	31-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	94 - 106	X512220	24-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	94 - 106	X512220	24-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X512237	25-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.90	3.00	96.7	90 - 110	X512177	20-Mar-25	
EPA 300.0	Fluoride	mg/L	2.00	2.00	99.9	90 - 110	X512177	21-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.92	2.00	95.9	90 - 110	X512177	20-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.44	4.50	98.7	90 - 110	X512177	20-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.52	2.50	101	90 - 110	X512177	20-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.67	10.0	96.7	90 - 110	X512177	20-Mar-25	

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0295**
Reported: 04-Apr-25 12:29

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	X514036 - X5C0282-01	31-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	35.5	36.4	2.5	20	X512220 - X5C0235-01	24-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	35.5	36.4	2.5	20	X512220 - X5C0235-01	24-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X512220 - X5C0235-01	24-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X512220 - X5C0235-01	24-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	232	240	3.4	10	X512236 - X5C0297-01	25-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	474	500	5.3	10	X512236 - X5C0313-01	25-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	9.0	10.5	10	X512237 - X5C0313-01	25-Mar-25	R2B
SM 4500 H B	pH @18.6°C	pH Units	7.4	7.4	0.5	20	X512220 - X5C0235-01	24-Mar-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	19.3	0.265	20.0	95	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Calcium	mg/L	455	447	20.0	0.30R>S	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18,M4
EPA 200.7	Magnesium	mg/L	19.3	<0.500	20.0	96.5	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Magnesium	mg/L	402	393	20.0	0.30R>S	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18,M4
EPA 200.7	Potassium	mg/L	19.5	<0.50	20.0	96.8	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Potassium	mg/L	73.9	54.4	20.0	97.7	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.09	0.124	1.00	96.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Barium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Beryllium	mg/L	0.997	<0.00200	1.00	99.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Cadmium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Calcium	mg/L	20.8	0.224	20.0	103	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Chromium	mg/L	0.993	<0.0060	1.00	99.3	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Cobalt	mg/L	0.988	<0.0060	1.00	98.8	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Copper	mg/L	0.990	<0.0100	1.00	99.0	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Lead	mg/L	1.00	<0.0075	1.00	100	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	101	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Magnesium	mg/L	20.9	<0.500	20.0	105	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Manganese	mg/L	1.04	0.0357	1.00	100	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.987	<0.0080	1.00	98.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Nickel	mg/L	0.991	<0.0100	1.00	99.1	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Potassium	mg/L	21.1	<0.50	20.0	105	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Silver	mg/L	0.0499	<0.0050	0.0500	99.8	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Sodium	mg/L	20.2	0.74	19.0	103	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Vanadium	mg/L	0.990	<0.0050	1.00	99.0	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Zinc	mg/L	1.01	0.0134	1.00	99.9	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.8	Antimony	mg/L	0.0253	<0.00100	0.0250	101	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Antimony	mg/L	<0.0500	<0.0500	0.0250	N/A	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
EPA 200.8	Arsenic	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.359	0.328	0.0250	123	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Selenium	mg/L	0.0269	<0.00100	0.0250	106	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.0500	<0.0500	0.0250	75.4	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0295**
Reported: 04-Apr-25 12:29

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 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.6	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0229	<0.0100	0.0250	91.7	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Uranium	mg/L	0.0310	0.00494	0.0250	104	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Uranium	mg/L	3.82	3.75	0.0250	0.30R>S	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00216	<0.000200	0.00200	108	70 - 130	X513113 - X5C0274-01	28-Mar-25	
EPA 245.1	Mercury	mg/L	0.00226	0.000436	0.00200	91.4	70 - 130	X513113 - X5C0310-01	28-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.132	<0.0500	0.100	132	79 - 121	X513084 - X5C0274-01	31-Mar-25	M4
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	<0.0500	0.100	105	79 - 121	X513084 - X5C0274-02	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.108	<0.0050	0.100	108	90 - 110	X513018 - X5C0235-04	25-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.106	<0.0050	0.100	106	90 - 110	X513018 - X5C0235-03	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.925	<0.030	1.00	92.5	90 - 110	X513041 - X5C0295-02	26-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.04	0.041	1.00	99.9	90 - 110	X513041 - X5C0295-01	26-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0509	0.0233	0.100	27.6	82 - 118	X514089 - X5C0295-02	03-Apr-25	M2,R2B
OIA 1677	Cyanide (WAD)	mg/L	0.0517	<0.0050	0.100	49.6	82 - 118	X514089 - X5C0295-01	03-Apr-25	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	14.2	11.9	3.00	0.30R>S	90 - 110	X512177 - X5C0297-01	21-Mar-25	M4
EPA 300.0	Fluoride	mg/L	2.67	0.645	2.00	101	90 - 110	X512177 - X5C0297-01	21-Mar-25	
EPA 300.0	Nitrate as N	mg/L	3.35	1.33	2.00	101	90 - 110	X512177 - X5C0297-01	21-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.32	1.33	4.00	99.8	90 - 110	X512177 - X5C0297-01	21-Mar-25	
EPA 300.0	Nitrite as N	mg/L	1.97	<0.050	2.00	98.6	90 - 110	X512177 - X5C0297-01	21-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	45.5	35.4	10.0	101	90 - 110	X512177 - X5C0297-01	21-Mar-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	19.1	19.3	20.0	1.0	20	94	X514092 - X5C0272-01	
EPA 200.7	Magnesium	mg/L	19.1	19.3	20.0	1.2	20	95.3	X514092 - X5C0272-01	
EPA 200.7	Potassium	mg/L	19.3	19.5	20.0	1.1	20	95.8	X514092 - X5C0272-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.12	1.09	1.00	2.5	20	99.4	X513004 - X5C0272-01	
EPA 200.7	Barium	mg/L	1.02	1.02	1.00	0.5	20	102	X513004 - X5C0272-01	
EPA 200.7	Beryllium	mg/L	1.00	0.997	1.00	0.4	20	100	X513004 - X5C0272-01	
EPA 200.7	Boron	mg/L	1.03	1.02	1.00	0.3	20	103	X513004 - X5C0272-01	
EPA 200.7	Cadmium	mg/L	1.03	1.02	1.00	1.0	20	103	X513004 - X5C0272-01	
EPA 200.7	Calcium	mg/L	19.7	20.8	20.0	5.5	20	97.3	X513004 - X5C0272-01	
EPA 200.7	Chromium	mg/L	0.993	0.993	1.00	0.0	20	99.3	X513004 - X5C0272-01	
EPA 200.7	Cobalt	mg/L	1.00	0.988	1.00	1.2	20	100	X513004 - X5C0272-01	
EPA 200.7	Copper	mg/L	0.987	0.990	1.00	0.3	20	98.7	X513004 - X5C0272-01	
EPA 200.7	Iron	mg/L	9.75	10.2	10.0	4.8	20	97.5	X513004 - X5C0272-01	
EPA 200.7	Lead	mg/L	1.01	1.00	1.00	1.2	20	101	X513004 - X5C0272-01	
EPA 200.7	Lithium	mg/L	0.998	1.01	1.00	0.7	20	99.8	X513004 - X5C0272-01	
EPA 200.7	Magnesium	mg/L	19.9	20.9	20.0	5.0	20	99.4	X513004 - X5C0272-01	
EPA 200.7	Manganese	mg/L	1.04	1.04	1.00	0.1	20	100	X513004 - X5C0272-01	
EPA 200.7	Molybdenum	mg/L	1.00	0.987	1.00	1.5	20	100	X513004 - X5C0272-01	

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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: **X5C0295**
Reported: 04-Apr-25 12:29

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	Nickel	mg/L	1.00	0.991	1.00	1.2	20	100	X513004 - X5C0272-01	
EPA 200.7	Potassium	mg/L	20.0	21.1	20.0	5.5	20	99.8	X513004 - X5C0272-01	
EPA 200.7	Silver	mg/L	0.0492	0.0499	0.0500	1.3	20	98.5	X513004 - X5C0272-01	
EPA 200.7	Sodium	mg/L	19.2	20.2	19.0	5.4	20	97.0	X513004 - X5C0272-01	
EPA 200.7	Vanadium	mg/L	0.990	0.990	1.00	0.0	20	99.0	X513004 - X5C0272-01	
EPA 200.7	Zinc	mg/L	1.02	1.01	1.00	0.9	20	101	X513004 - X5C0272-01	
EPA 200.8	Antimony	mg/L	0.0254	0.0253	0.0250	0.3	20	102	X512185 - X5C0144-01	
EPA 200.8	Arsenic	mg/L	0.0257	0.0255	0.0250	0.6	20	103	X512185 - X5C0144-01	
EPA 200.8	Selenium	mg/L	0.0273	0.0269	0.0250	1.4	20	107	X512185 - X5C0144-01	
EPA 200.8	Thallium	mg/L	0.0236	0.0234	0.0250	0.8	20	94.4	X512185 - X5C0144-01	
EPA 200.8	Uranium	mg/L	0.0311	0.0310	0.0250	0.6	20	105	X512185 - X5C0144-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00216	0.00200	1.3	20	107	X513113 - X5C0274-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.129	0.132	0.100	2.0	11	129	X513084 - X5C0274-01	M4
EPA 335.4	Cyanide (total)	mg/L	0.0978	0.108	0.100	9.5	20	97.8	X513018 - X5C0235-04	
EPA 350.1	Ammonia as N	mg/L	1.02	0.925	1.00	10.0	20	102	X513041 - X5C0295-02	
OIA 1677	Cyanide (WAD)	mg/L	0.0703	0.0509	0.100	32.0	11	47.0	X514089 - X5C0295-02	M2,R2B
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	14.0	14.2	3.00	1.4	20	0.30R>S	X512177 - X5C0297-01	M4
EPA 300.0	Fluoride	mg/L	2.74	2.67	2.00	2.6	20	105	X512177 - X5C0297-01	
EPA 300.0	Nitrate as N	mg/L	3.36	3.35	2.00	0.2	20	101	X512177 - X5C0297-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.37	5.32	4.00	0.9	20	101	X512177 - X5C0297-01	
EPA 300.0	Nitrite as N	mg/L	2.01	1.97	2.00	2.0	20	101	X512177 - X5C0297-01	
EPA 300.0	Sulfate as SO4	mg/L	45.8	45.5	10.0	0.8	20	104	X512177 - X5C0297-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0295**
Victor, CO 80860	Reported: 04-Apr-25 12:29

Notes and Definitions

D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
D13	Due to noticeable turbidity or opacity, a sample dilution was performed.
D18	Due to a published chemical interference, a sample dilution was performed.
D20	sample contained high concentration of non target analytes, diluted to mitigate matrix effects
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.
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.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
Q5B	Sample was received with inadequate preservation, sample was not pH adjusted by laboratory.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0296**
Victor, CO 80860	Reported: 04-Apr-25 12:56

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
OSABH-16	X5C0296-01	Ground Water	19-Mar-25 10:35	TR	20-Mar-2025	Q5B

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: X5C0296

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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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0296**
Reported: 04-Apr-25 12:56

Client Sample ID: **OSABH-16**
SVL Sample ID: **X5C0296-01 (Ground Water)**

Sampled: 19-Mar-25 10:35
Received: 20-Mar-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**	447	mg/L	1.00	0.690	10	X514092	SJN	04/02/25 14:40	D18,M4
EPA 200.7	**Magnesium**	393	mg/L	5.00	0.900	10	X514092	SJN	04/02/25 14:40	D18,M4
EPA 200.7	**Potassium**	54.4	mg/L	5.00	1.80	10	X514092	SJN	04/02/25 14:40	D18
SM 2340 B	**Hardness (as CaCO3)**	2730	mg/L	23.1	5.43		N/A		04/01/25 12:12	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	758	mg/L	0.800	0.540	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	Barium	< 0.0200	mg/L	0.0200	0.0190	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Beryllium**	0.521	mg/L	0.0200	0.00800	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	Boron	< 0.400	mg/L	0.400	0.0780	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Cadmium**	3.65	mg/L	0.0200	0.0160	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Calcium**	401	mg/L	1.00	0.690	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	Chromium	< 0.0600	mg/L	0.0600	0.0200	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Cobalt**	2.55	mg/L	0.0600	0.0460	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Copper**	3.45	mg/L	0.100	0.0270	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Iron**	23.9	mg/L	1.00	0.560	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	Lead	< 0.0750	mg/L	0.0750	0.0490	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Lithium**	0.568	mg/L	0.400	0.250	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Magnesium**	374	mg/L	5.00	0.900	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Manganese**	646	mg/L	0.0800	0.0340	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	Molybdenum	< 0.0800	mg/L	0.0800	0.0340	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Nickel**	2.35	mg/L	0.100	0.0480	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Potassium**	73.9	mg/L	5.00	1.80	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Silver**	0.0730	mg/L	0.0500	0.0190	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Sodium**	23.9	mg/L	5.00	1.20	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Vanadium**	0.155	mg/L	0.0500	0.0190	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.7	**Zinc**	127	mg/L	0.100	0.0540	10	X513004	SJN	04/01/25 12:12	D11
EPA 200.8	Antimony	< 0.0500	mg/L	0.0500	0.0360	50	X512185	JRR	03/26/25 13:02	D20
EPA 200.8	**Arsenic**	0.135	mg/L	0.0500	0.0105	50	X512185	JRR	03/26/25 13:02	D20
EPA 200.8	Selenium	< 0.0500	mg/L	0.0500	0.0120	50	X512185	JRR	03/26/25 13:02	D20
EPA 200.8	Thallium	< 0.0100	mg/L	0.0100	0.00400	50	X512185	JRR	03/26/25 13:02	D20
EPA 200.8	**Uranium**	5.65	mg/L	0.00500	0.00260	50	X512185	JRR	03/26/25 13:02	D20
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X513113	SJN	03/28/25 12:58	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X513084	DD	03/31/25 15:08	D13,Q12
EPA 335.4	**Cyanide (total)**	0.0070	mg/L	0.0050	0.0038		X513017	JPM	03/25/25 10:15	
EPA 350.1	**Ammonia as N**	0.050	mg/L	0.030	0.013		X513041	JPM	03/26/25 15:27	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X514089	JPM	04/03/25 14:40	H1,M2,R2B
SM 2310 B	**Acidity to pH 8.3**	241	mg/L as CaCO3	10.0			X514036	MWD	03/31/25 16:55	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 15:15	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 15:15	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 15:15	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X512220	JDB	03/24/25 15:15	
SM 2540 C	**Total Diss. Solids**	10000	mg/L	100			X512236	TJL	03/25/25 13:45	
SM 2540 D	**Total Susp. Solids**	66.0	mg/L	5.0			X512237	TJL	03/25/25 13:20	
SM 4500 H B	**pH @19.1°C**	3.3	pH Units				X512220	JDB	03/24/25 15:15	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: **X5C0296**
Reported: 04-Apr-25 12:56

Client Sample ID: **OSABH-16**
SVL Sample ID: **X5C0296-01 (Ground Water)**

Sampled: 19-Mar-25 10:35
Received: 20-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	2.85	mg/L	2.00	0.22	10	X512177	RS	03/20/25 12:53	D18
EPA 300.0	**Fluoride**	130	mg/L	25.0	4.25	250	X512177	RS	03/20/25 13:09	
EPA 300.0	**Nitrate as N**	3.36	mg/L	0.500	0.130	10	X512177	RS	03/20/25 12:53	D18
EPA 300.0	**Nitrate+Nitrite as N**	3.36	mg/L	1.00	0.440	10	X512177	RS	03/20/25 12:53	D18
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X512177	RS	03/20/25 12:53	D18
EPA 300.0	**Sulfate as SO4**	7680	mg/L	75.0	45.0	250	X512177	RS	03/20/25 13:09	

Cation/Anion Balance and TDS Ratios

Cation Sum: 166 meq/L Anion Sum: 167 meq/L C/A Balance: -0.33 % Calculated TDS: 8723 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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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0296**
Reported: 04-Apr-25 12:56

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X514092	02-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514092	02-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514092	02-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X513004	01-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X513004	01-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X513004	01-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X513004	01-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X513004	01-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X513004	01-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X513004	01-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X513004	01-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X513004	01-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X513004	01-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X513004	01-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X513004	01-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X513004	01-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X513004	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X513004	01-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X513004	01-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X513004	01-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X513004	01-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X513004	01-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X513004	01-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X513004	01-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X512185	26-Mar-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X513113	28-Mar-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X513084	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X513017	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X513041	26-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X514089	03-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X514036	31-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X512220	24-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X512220	24-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X512220	24-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X512220	24-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X512236	25-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X512237	25-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X512177	20-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X512177	20-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X512177	20-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X512177	20-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X512177	20-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X512177	21-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0296**
Reported: 04-Apr-25 12:56

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	18.4	20.0	92	85 - 115	X514092	02-Apr-25	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.3	85 - 115	X514092	02-Apr-25	
EPA 200.7	Potassium	mg/L	18.8	20.0	94.0	85 - 115	X514092	02-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.998	1.00	99.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X513004	01-Apr-25	
EPA 200.7	Beryllium	mg/L	0.979	1.00	97.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Boron	mg/L	0.987	1.00	98.7	85 - 115	X513004	01-Apr-25	
EPA 200.7	Cadmium	mg/L	0.978	1.00	97.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Calcium	mg/L	19.6	20.0	98.2	85 - 115	X513004	01-Apr-25	
EPA 200.7	Chromium	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Cobalt	mg/L	0.961	1.00	96.1	85 - 115	X513004	01-Apr-25	
EPA 200.7	Copper	mg/L	0.965	1.00	96.5	85 - 115	X513004	01-Apr-25	
EPA 200.7	Iron	mg/L	9.70	10.0	97.0	85 - 115	X513004	01-Apr-25	
EPA 200.7	Lead	mg/L	0.965	1.00	96.5	85 - 115	X513004	01-Apr-25	
EPA 200.7	Lithium	mg/L	1.00	1.00	100	85 - 115	X513004	01-Apr-25	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.6	85 - 115	X513004	01-Apr-25	
EPA 200.7	Manganese	mg/L	0.974	1.00	97.4	85 - 115	X513004	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.977	1.00	97.7	85 - 115	X513004	01-Apr-25	
EPA 200.7	Nickel	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Potassium	mg/L	20.0	20.0	100	85 - 115	X513004	01-Apr-25	
EPA 200.7	Silver	mg/L	0.0482	0.0500	96.4	85 - 115	X513004	01-Apr-25	
EPA 200.7	Sodium	mg/L	18.4	19.0	96.8	85 - 115	X513004	01-Apr-25	
EPA 200.7	Vanadium	mg/L	0.959	1.00	95.9	85 - 115	X513004	01-Apr-25	
EPA 200.7	Zinc	mg/L	0.954	1.00	95.4	85 - 115	X513004	01-Apr-25	
EPA 200.8	Antimony	mg/L	0.0242	0.0250	96.9	85 - 115	X512185	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.0236	0.0250	94.5	85 - 115	X512185	26-Mar-25	
EPA 200.8	Selenium	mg/L	0.0219	0.0250	87.6	85 - 115	X512185	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0238	0.0250	95.0	85 - 115	X512185	26-Mar-25	
EPA 200.8	Uranium	mg/L	0.0256	0.0250	102	85 - 115	X512185	26-Mar-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00203	0.00200	102	85 - 115	X513113	28-Mar-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0949	0.100	94.9	90 - 110	X513084	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.107	0.100	107	90 - 110	X513017	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X513041	26-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.100	106	90 - 110	X514089	03-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X514036	31-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	94 - 106	X512220	24-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	94 - 106	X512220	24-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X512237	25-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.90	3.00	96.7	90 - 110	X512177	20-Mar-25	
EPA 300.0	Fluoride	mg/L	2.00	2.00	99.9	90 - 110	X512177	21-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.92	2.00	95.9	90 - 110	X512177	20-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.44	4.50	98.7	90 - 110	X512177	20-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.52	2.50	101	90 - 110	X512177	20-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.67	10.0	96.7	90 - 110	X512177	20-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0296**
Reported: 04-Apr-25 12:56

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X514036 - X5C0282-01	31-Mar-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	35.5	36.4	2.5	20	X512220 - X5C0235-01	24-Mar-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	35.5	36.4	2.5	20	X512220 - X5C0235-01	24-Mar-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X512220 - X5C0235-01	24-Mar-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X512220 - X5C0235-01	24-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	232	240	3.4	10	X512236 - X5C0297-01	25-Mar-25	
SM 2540 C	Total Diss. Solids	mg/L	474	500	5.3	10	X512236 - X5C0313-01	25-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	9.0	10.5	10	X512237 - X5C0313-01	25-Mar-25	R2B
SM 4500 H B	pH @18.6°C	pH Units	7.4	7.4	0.5	20	X512220 - X5C0235-01	24-Mar-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	19.3	0.265	20.0	95	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Calcium	mg/L	455	447	20.0	0.30R>S	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18,M4
EPA 200.7	Magnesium	mg/L	19.3	<0.500	20.0	96.5	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Magnesium	mg/L	402	393	20.0	0.30R>S	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18,M4
EPA 200.7	Potassium	mg/L	19.5	<0.50	20.0	96.8	70 - 130	X514092 - X5C0272-01	02-Apr-25	
EPA 200.7	Potassium	mg/L	73.9	54.4	20.0	97.7	70 - 130	X514092 - X5C0296-01	02-Apr-25	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.09	0.124	1.00	96.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Barium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Beryllium	mg/L	0.997	<0.00200	1.00	99.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Cadmium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Calcium	mg/L	20.8	0.224	20.0	103	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Chromium	mg/L	0.993	<0.0060	1.00	99.3	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Cobalt	mg/L	0.988	<0.0060	1.00	98.8	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Copper	mg/L	0.990	<0.0100	1.00	99.0	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Lead	mg/L	1.00	<0.0075	1.00	100	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	101	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Magnesium	mg/L	20.9	<0.500	20.0	105	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Manganese	mg/L	1.04	0.0357	1.00	100	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.987	<0.0080	1.00	98.7	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Nickel	mg/L	0.991	<0.0100	1.00	99.1	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Potassium	mg/L	21.1	<0.50	20.0	105	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Silver	mg/L	0.0499	<0.0050	0.0500	99.8	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Sodium	mg/L	20.2	0.74	19.0	103	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Vanadium	mg/L	0.990	<0.0050	1.00	99.0	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.7	Zinc	mg/L	1.01	0.0134	1.00	99.9	70 - 130	X513004 - X5C0272-01	01-Apr-25	
EPA 200.8	Antimony	mg/L	0.0253	<0.00100	0.0250	101	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Antimony	mg/L	<0.0500	<0.0500	0.0250	N/A	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
EPA 200.8	Arsenic	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Arsenic	mg/L	0.359	0.328	0.0250	123	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Selenium	mg/L	0.0269	<0.00100	0.0250	106	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Selenium	mg/L	<0.0500	<0.0500	0.0250	75.4	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0296**
Reported: 04-Apr-25 12:56

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.6	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Thallium	mg/L	0.0229	<0.0100	0.0250	91.7	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20
EPA 200.8	Uranium	mg/L	0.0310	0.00494	0.0250	104	70 - 130	X512185 - X5C0144-01	26-Mar-25	
EPA 200.8	Uranium	mg/L	3.82	3.75	0.0250	0.30R>S	70 - 130	X512185 - X5C0295-01	26-Mar-25	D20,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00216	<0.000200	0.00200	108	70 - 130	X513113 - X5C0274-01	28-Mar-25	
EPA 245.1	Mercury	mg/L	0.00226	0.000436	0.00200	91.4	70 - 130	X513113 - X5C0310-01	28-Mar-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.132	<0.0500	0.100	132	79 - 121	X513084 - X5C0274-01	31-Mar-25	M4
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	<0.0500	0.100	105	79 - 121	X513084 - X5C0274-02	31-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.105	<0.0050	0.100	105	90 - 110	X513017 - X5C0321-14	25-Mar-25	
EPA 335.4	Cyanide (total)	mg/L	0.109	<0.0050	0.100	105	90 - 110	X513017 - X5C0321-13	25-Mar-25	
EPA 350.1	Ammonia as N	mg/L	0.925	<0.030	1.00	92.5	90 - 110	X513041 - X5C0295-02	26-Mar-25	
EPA 350.1	Ammonia as N	mg/L	1.04	0.041	1.00	99.9	90 - 110	X513041 - X5C0295-01	26-Mar-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0509	0.0233	0.100	27.6	82 - 118	X514089 - X5C0295-02	03-Apr-25	M2,R2B
OIA 1677	Cyanide (WAD)	mg/L	0.0517	<0.0050	0.100	49.6	82 - 118	X514089 - X5C0295-01	03-Apr-25	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	14.2	11.9	3.00	0.30R>S	90 - 110	X512177 - X5C0297-01	21-Mar-25	M4
EPA 300.0	Fluoride	mg/L	2.67	0.645	2.00	101	90 - 110	X512177 - X5C0297-01	21-Mar-25	
EPA 300.0	Nitrate as N	mg/L	3.35	1.33	2.00	101	90 - 110	X512177 - X5C0297-01	21-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.32	1.33	4.00	99.8	90 - 110	X512177 - X5C0297-01	21-Mar-25	
EPA 300.0	Nitrite as N	mg/L	1.97	<0.050	2.00	98.6	90 - 110	X512177 - X5C0297-01	21-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	45.5	35.4	10.0	101	90 - 110	X512177 - X5C0297-01	21-Mar-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	19.1	19.3	20.0	1.0	20	94	X514092 - X5C0272-01	
EPA 200.7	Magnesium	mg/L	19.1	19.3	20.0	1.2	20	95.3	X514092 - X5C0272-01	
EPA 200.7	Potassium	mg/L	19.3	19.5	20.0	1.1	20	95.8	X514092 - X5C0272-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.12	1.09	1.00	2.5	20	99.4	X513004 - X5C0272-01	
EPA 200.7	Barium	mg/L	1.02	1.02	1.00	0.5	20	102	X513004 - X5C0272-01	
EPA 200.7	Beryllium	mg/L	1.00	0.997	1.00	0.4	20	100	X513004 - X5C0272-01	
EPA 200.7	Boron	mg/L	1.03	1.02	1.00	0.3	20	103	X513004 - X5C0272-01	
EPA 200.7	Cadmium	mg/L	1.03	1.02	1.00	1.0	20	103	X513004 - X5C0272-01	
EPA 200.7	Calcium	mg/L	19.7	20.8	20.0	5.5	20	97.3	X513004 - X5C0272-01	
EPA 200.7	Chromium	mg/L	0.993	0.993	1.00	0.0	20	99.3	X513004 - X5C0272-01	
EPA 200.7	Cobalt	mg/L	1.00	0.988	1.00	1.2	20	100	X513004 - X5C0272-01	
EPA 200.7	Copper	mg/L	0.987	0.990	1.00	0.3	20	98.7	X513004 - X5C0272-01	
EPA 200.7	Iron	mg/L	9.75	10.2	10.0	4.8	20	97.5	X513004 - X5C0272-01	
EPA 200.7	Lead	mg/L	1.01	1.00	1.00	1.2	20	101	X513004 - X5C0272-01	
EPA 200.7	Lithium	mg/L	0.998	1.01	1.00	0.7	20	99.8	X513004 - X5C0272-01	
EPA 200.7	Magnesium	mg/L	19.9	20.9	20.0	5.0	20	99.4	X513004 - X5C0272-01	
EPA 200.7	Manganese	mg/L	1.04	1.04	1.00	0.1	20	100	X513004 - X5C0272-01	
EPA 200.7	Molybdenum	mg/L	1.00	0.987	1.00	1.5	20	100	X513004 - X5C0272-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0296**
Reported: 04-Apr-25 12:56

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	Nickel	mg/L	1.00	0.991	1.00	1.2	20	100	X513004 - X5C0272-01	
EPA 200.7	Potassium	mg/L	20.0	21.1	20.0	5.5	20	99.8	X513004 - X5C0272-01	
EPA 200.7	Silver	mg/L	0.0492	0.0499	0.0500	1.3	20	98.5	X513004 - X5C0272-01	
EPA 200.7	Sodium	mg/L	19.2	20.2	19.0	5.4	20	97.0	X513004 - X5C0272-01	
EPA 200.7	Vanadium	mg/L	0.990	0.990	1.00	0.0	20	99.0	X513004 - X5C0272-01	
EPA 200.7	Zinc	mg/L	1.02	1.01	1.00	0.9	20	101	X513004 - X5C0272-01	
EPA 200.8	Antimony	mg/L	0.0254	0.0253	0.0250	0.3	20	102	X512185 - X5C0144-01	
EPA 200.8	Arsenic	mg/L	0.0257	0.0255	0.0250	0.6	20	103	X512185 - X5C0144-01	
EPA 200.8	Selenium	mg/L	0.0273	0.0269	0.0250	1.4	20	107	X512185 - X5C0144-01	
EPA 200.8	Thallium	mg/L	0.0236	0.0234	0.0250	0.8	20	94.4	X512185 - X5C0144-01	
EPA 200.8	Uranium	mg/L	0.0311	0.0310	0.0250	0.6	20	105	X512185 - X5C0144-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00216	0.00200	1.3	20	107	X513113 - X5C0274-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.129	0.132	0.100	2.0	11	129	X513084 - X5C0274-01	M4
EPA 335.4	Cyanide (total)	mg/L	0.106	0.105	0.100	0.7	20	106	X513017 - X5C0321-14	
EPA 350.1	Ammonia as N	mg/L	1.02	0.925	1.00	10.0	20	102	X513041 - X5C0295-02	
OIA 1677	Cyanide (WAD)	mg/L	0.0703	0.0509	0.100	32.0	11	47.0	X514089 - X5C0295-02	M2,R2B
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	14.0	14.2	3.00	1.4	20	0.30R>S	X512177 - X5C0297-01	M4
EPA 300.0	Fluoride	mg/L	2.74	2.67	2.00	2.6	20	105	X512177 - X5C0297-01	
EPA 300.0	Nitrate as N	mg/L	3.36	3.35	2.00	0.2	20	101	X512177 - X5C0297-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.37	5.32	4.00	0.9	20	101	X512177 - X5C0297-01	
EPA 300.0	Nitrite as N	mg/L	2.01	1.97	2.00	2.0	20	101	X512177 - X5C0297-01	
EPA 300.0	Sulfate as SO4	mg/L	45.8	45.5	10.0	0.8	20	104	X512177 - X5C0297-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0296**
Victor, CO 80860	Reported: 04-Apr-25 12:56

Notes and Definitions

D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
D13	Due to noticeable turbidity or opacity, a sample dilution was performed.
D18	Due to a published chemical interference, a sample dilution was performed.
D20	sample contained high concentration of non target analytes, diluted to mitigate matrix effects
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.
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.
Q5B	Sample was received with inadequate preservation, sample was not pH adjusted by laboratory.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0361**
Victor, CO 80860	Reported: 08-Apr-25 13:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
RB-0324	X5C0361-01	Ground Water	24-Mar-25 12:44	JC	25-Mar-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: X5C0361

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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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0361**
Reported: 08-Apr-25 13:46

Client Sample ID: **RB-0324**
SVL Sample ID: **X5C0361-01 (Ground Water)**

Sampled: 24-Mar-25 12:44
Received: 25-Mar-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**	0.120	mg/L	0.100	0.069		X514238	NMS	04/07/25 13:39	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X514238	NMS	04/07/25 13:39	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X514238	NMS	04/07/25 13:39	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		04/02/25 13:15	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514056	SJN	04/02/25 13:15	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X514056	SJN	04/02/25 13:15	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514056	SJN	04/02/25 13:15	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514056	SJN	04/02/25 13:15	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514056	SJN	04/02/25 13:15	
EPA 200.7	**Calcium**	0.247	mg/L	0.100	0.069		X514056	SJN	04/02/25 13:15	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X514056	SJN	04/02/25 13:15	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514056	SJN	04/02/25 13:15	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X514056	SJN	04/02/25 13:15	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X514056	SJN	04/02/25 13:15	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514056	SJN	04/02/25 13:15	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514056	SJN	04/02/25 14:05	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X514056	SJN	04/02/25 13:15	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X514056	SJN	04/02/25 13:15	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514056	SJN	04/02/25 13:15	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514056	SJN	04/02/25 13:15	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X514056	SJN	04/02/25 13:15	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514056	SJN	04/02/25 14:05	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X514056	SJN	04/02/25 13:15	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514056	SJN	04/02/25 13:15	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514056	SJN	04/02/25 13:15	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X513078	JRR	04/02/25 12:07	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X513078	JRR	04/02/25 12:07	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X513078	JRR	04/02/25 12:07	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X513078	JRR	04/02/25 12:07	
EPA 200.8	**Uranium**	0.000156	mg/L	0.000100	0.000052		X513078	JRR	04/02/25 12:07	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X514050	SJN	04/07/25 15:23	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/04/25 08:37	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514012	ORW	04/01/25 08:40	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X514082	JPM	04/02/25 14:16	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X514089	JPM	04/03/25 14:58	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X514230	MWD	04/04/25 12:39	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 11:51	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 11:51	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 11:51	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 11:51	
SM 2540 C	Total Diss. Solids	< 10	mg/L	10			X513086	TJL	03/27/25 12:55	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X513087	TJL	03/27/25 12:30	
SM 4500 H B	**pH @18.1°C**	5.0	pH Units				X514137	MWD	04/02/25 11:51	H5

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

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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0361**
Reported: 08-Apr-25 13:46

Client Sample ID: **RB-0324**
SVL Sample ID: **X5C0361-01 (Ground Water)**

Sampled: 24-Mar-25 12:44
Received: 25-Mar-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.31	mg/L	0.20	0.02		X513052	RS	03/25/25 14:54	
EPA 300.0	**Fluoride**	0.266	mg/L	0.100	0.017		X513052	RS	03/25/25 14:54	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X513052	RS	03/25/25 14:54	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X513052	RS	03/25/25 14:54	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X513052	RS	03/25/25 14:54	
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X513052	RS	03/25/25 14:54	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.04 meq/L Anion Sum: 0.05 meq/L C/A Balance: -15.67 % Calculated TDS: 1 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

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

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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0361**
Reported: 08-Apr-25 13:46

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X514238	07-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514238	07-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514238	07-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X514056	02-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X514056	02-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X514056	02-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X514056	02-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X514056	02-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X514056	02-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X514056	02-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X514056	02-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X514056	02-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X514056	02-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X514056	02-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X514056	02-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514056	02-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X514056	02-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X514056	02-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X514056	02-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514056	02-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X514056	02-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X514056	02-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X514056	02-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X514056	02-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X513078	02-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X513078	02-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X513078	02-Apr-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X513078	02-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X513078	02-Apr-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X514050	07-Apr-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X514174	04-Apr-25	
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X514174	08-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X514012	01-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X514082	02-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X514089	03-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X514230	04-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X514137	02-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X514137	02-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X514137	02-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X514137	02-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X513086	27-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X513087	27-Mar-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X513052	25-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X513052	25-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X513052	25-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X513052	25-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X513052	25-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X513052	25-Mar-25	

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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0361**
Reported: 08-Apr-25 13:46

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	20.4	20.0	102	85 - 115	X514238	07-Apr-25	
EPA 200.7	Magnesium	mg/L	20.6	20.0	103	85 - 115	X514238	07-Apr-25	
EPA 200.7	Potassium	mg/L	20.1	20.0	101	85 - 115	X514238	07-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.951	1.00	95.1	85 - 115	X514056	02-Apr-25	
EPA 200.7	Barium	mg/L	0.966	1.00	96.6	85 - 115	X514056	02-Apr-25	
EPA 200.7	Beryllium	mg/L	0.988	1.00	98.8	85 - 115	X514056	02-Apr-25	
EPA 200.7	Boron	mg/L	1.00	1.00	100	85 - 115	X514056	02-Apr-25	
EPA 200.7	Cadmium	mg/L	0.970	1.00	97.0	85 - 115	X514056	02-Apr-25	
EPA 200.7	Calcium	mg/L	18.8	20.0	94.2	85 - 115	X514056	02-Apr-25	
EPA 200.7	Chromium	mg/L	0.979	1.00	97.9	85 - 115	X514056	02-Apr-25	
EPA 200.7	Cobalt	mg/L	0.954	1.00	95.4	85 - 115	X514056	02-Apr-25	
EPA 200.7	Copper	mg/L	0.973	1.00	97.3	85 - 115	X514056	02-Apr-25	
EPA 200.7	Iron	mg/L	9.46	10.0	94.6	85 - 115	X514056	02-Apr-25	
EPA 200.7	Lead	mg/L	0.971	1.00	97.1	85 - 115	X514056	02-Apr-25	
EPA 200.7	Lithium	mg/L	0.870	1.00	87.0	85 - 115	X514056	02-Apr-25	
EPA 200.7	Magnesium	mg/L	18.6	20.0	93.2	85 - 115	X514056	02-Apr-25	
EPA 200.7	Manganese	mg/L	0.967	1.00	96.7	85 - 115	X514056	02-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.981	1.00	98.1	85 - 115	X514056	02-Apr-25	
EPA 200.7	Nickel	mg/L	0.952	1.00	95.2	85 - 115	X514056	02-Apr-25	
EPA 200.7	Potassium	mg/L	19.9	20.0	99.4	85 - 115	X514056	02-Apr-25	
EPA 200.7	Silver	mg/L	0.0483	0.0500	96.7	85 - 115	X514056	02-Apr-25	
EPA 200.7	Sodium	mg/L	18.4	19.0	96.9	85 - 115	X514056	02-Apr-25	
EPA 200.7	Vanadium	mg/L	1.00	1.00	100	85 - 115	X514056	02-Apr-25	
EPA 200.7	Zinc	mg/L	0.965	1.00	96.5	85 - 115	X514056	02-Apr-25	
EPA 200.8	Antimony	mg/L	0.0261	0.0250	104	85 - 115	X513078	02-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0258	0.0250	103	85 - 115	X513078	02-Apr-25	
EPA 200.8	Selenium	mg/L	0.0238	0.0250	95.3	85 - 115	X513078	02-Apr-25	
EPA 200.8	Thallium	mg/L	0.0267	0.0250	107	85 - 115	X513078	02-Apr-25	
EPA 200.8	Uranium	mg/L	0.0281	0.0250	112	85 - 115	X513078	02-Apr-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00209	0.00200	104	85 - 115	X514050	07-Apr-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X514174	04-Apr-25	
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X514174	08-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0994	0.100	99.4	90 - 110	X514012	01-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.987	1.00	98.7	90 - 110	X514082	02-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.100	106	90 - 110	X514089	03-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	727	706	103	95.4 - 104	X514230	04-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	94 - 106	X514137	02-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X514137	02-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	411	397	103	94 - 106	X514137	02-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X513087	27-Mar-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X513052	25-Mar-25	
EPA 300.0	Fluoride	mg/L	2.03	2.00	101	90 - 110	X513052	25-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.99	2.00	99.6	90 - 110	X513052	25-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.59	4.50	102	90 - 110	X513052	25-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.60	2.50	104	90 - 110	X513052	25-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.94	10.0	99.4	90 - 110	X513052	25-Mar-25	

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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0361**
Reported: 08-Apr-25 13:46

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	<RL	20	X514230 - X5C0361-01	04-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	105	106	1.0	20	X514137 - X5C0363-01	02-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	105	106	1.0	20	X514137 - X5C0363-01	02-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X514137 - X5C0363-01	02-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X514137 - X5C0363-01	02-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	207	209	1.0	10	X513086 - X5C0363-02	27-Mar-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X513087 - X5C0363-02	27-Mar-25	
SM 4500 H B	pH @18.3°C	pH Units	7.4	7.4	0.4	20	X514137 - X5C0363-01	02-Apr-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	118	95.8	20.0	110	70 - 130	X514238 - X5C0357-01	07-Apr-25	
EPA 200.7	Calcium	mg/L	231	209	20.0	108	70 - 130	X514238 - X5C0371-01	07-Apr-25	
EPA 200.7	Magnesium	mg/L	29.8	8.70	20.0	105	70 - 130	X514238 - X5C0357-01	07-Apr-25	
EPA 200.7	Magnesium	mg/L	77.3	55.2	20.0	110	70 - 130	X514238 - X5C0371-01	07-Apr-25	
EPA 200.7	Potassium	mg/L	37.5	16.8	20.0	103	70 - 130	X514238 - X5C0357-01	07-Apr-25	
EPA 200.7	Potassium	mg/L	22.5	2.32	20.0	101	70 - 130	X514238 - X5C0371-01	07-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.998	<0.080	1.00	99.8	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Barium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Beryllium	mg/L	1.03	<0.00200	1.00	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Boron	mg/L	1.07	<0.0400	1.00	105	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Cadmium	mg/L	1.03	<0.0020	1.00	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Calcium	mg/L	20.0	0.247	20.0	98.6	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Chromium	mg/L	1.03	<0.0060	1.00	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Cobalt	mg/L	1.01	<0.0060	1.00	101	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	100	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Iron	mg/L	9.92	<0.100	10.0	99.2	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Lithium	mg/L	0.815	<0.040	1.00	81.5	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Magnesium	mg/L	19.9	<0.500	20.0	99.4	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Manganese	mg/L	1.02	<0.0080	1.00	102	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.03	<0.0080	1.00	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Potassium	mg/L	21.1	<0.50	20.0	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Silver	mg/L	0.0459	<0.0050	0.0500	91.7	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Sodium	mg/L	19.6	<0.50	19.0	101	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Zinc	mg/L	1.04	<0.0100	1.00	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.8	Antimony	mg/L	0.0261	<0.00100	0.0250	104	70 - 130	X513078 - X5C0325-01	02-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0296	<0.00100	0.0250	115	70 - 130	X513078 - X5C0325-01	02-Apr-25	
EPA 200.8	Selenium	mg/L	0.0426	0.0157	0.0250	108	70 - 130	X513078 - X5C0325-01	02-Apr-25	
EPA 200.8	Thallium	mg/L	0.0291	<0.000200	0.0250	116	70 - 130	X513078 - X5C0325-01	02-Apr-25	
EPA 200.8	Uranium	mg/L	0.0689	0.0378	0.0250	125	70 - 130	X513078 - X5C0325-01	02-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0361**
Reported: 08-Apr-25 13:46

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00207	<0.000200	0.00200	104	70 - 130	X514050 - X5C0363-01	07-Apr-25	
EPA 245.1	Mercury	mg/L	0.00202	<0.000200	0.00200	101	70 - 130	X514050 - X5C0383-01	07-Apr-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.108	<0.0050	0.100	108	79 - 121	X514174 - X5D0024-01	04-Apr-25	
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.101	<0.0050	0.100	101	79 - 121	X514174 - X5D0024-02	08-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.107	<0.0050	0.100	107	90 - 110	X514012 - X5C0361-01	01-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.103	<0.0050	0.100	103	90 - 110	X514012 - X5C0363-01	01-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.00	<0.030	1.00	100	90 - 110	X514082 - X5C0362-02	02-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X514082 - X5C0362-01	02-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0509	0.0233	0.100	27.6	82 - 118	X514089 - X5C0295-02	03-Apr-25	M2,R2B
OIA 1677	Cyanide (WAD)	mg/L	0.0517	<0.0050	0.100	49.6	82 - 118	X514089 - X5C0295-01	03-Apr-25	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	58.0	55.3	3.00	91.1	90 - 110	X513052 - X5C0341-01	25-Mar-25	
EPA 300.0	Chloride	mg/L	6.79	3.76	3.00	101	90 - 110	X513052 - X5C0342-04	25-Mar-25	
EPA 300.0	Fluoride	mg/L	2.18	0.458	2.00	86.1	90 - 110	X513052 - X5C0341-01	25-Mar-25	M2
EPA 300.0	Fluoride	mg/L	1.88	<0.100	2.00	92.2	90 - 110	X513052 - X5C0342-04	25-Mar-25	
EPA 300.0	Nitrate as N	mg/L	6.95	4.91	2.00	102	90 - 110	X513052 - X5C0341-01	25-Mar-25	
EPA 300.0	Nitrate as N	mg/L	3.49	1.50	2.00	99.4	90 - 110	X513052 - X5C0342-04	25-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	9.00	4.91	4.00	102	90 - 110	X513052 - X5C0341-01	25-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.49	1.51	4.00	99.7	90 - 110	X513052 - X5C0342-04	25-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.06	<0.050	2.00	103	90 - 110	X513052 - X5C0341-01	25-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	100	90 - 110	X513052 - X5C0342-04	25-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	728	713	10.0	0.30R>S	90 - 110	X513052 - X5C0341-01	25-Mar-25	M4
EPA 300.0	Sulfate as SO4	mg/L	166	157	10.0	90.3	90 - 110	X513052 - X5C0342-04	25-Mar-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	115	118	20.0	3.0	20	94	X514238 - X5C0357-01	
EPA 200.7	Magnesium	mg/L	29.3	29.8	20.0	1.7	20	103	X514238 - X5C0357-01	
EPA 200.7	Potassium	mg/L	36.6	37.5	20.0	2.2	20	99.1	X514238 - X5C0357-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	0.998	1.00	1.7	20	101	X514056 - X5C0361-01	
EPA 200.7	Barium	mg/L	1.03	1.02	1.00	1.1	20	103	X514056 - X5C0361-01	
EPA 200.7	Beryllium	mg/L	1.06	1.03	1.00	2.9	20	106	X514056 - X5C0361-01	
EPA 200.7	Boron	mg/L	1.08	1.07	1.00	0.9	20	106	X514056 - X5C0361-01	
EPA 200.7	Cadmium	mg/L	1.05	1.03	1.00	1.8	20	105	X514056 - X5C0361-01	
EPA 200.7	Calcium	mg/L	20.5	20.0	20.0	2.5	20	101	X514056 - X5C0361-01	
EPA 200.7	Chromium	mg/L	1.05	1.03	1.00	2.2	20	105	X514056 - X5C0361-01	
EPA 200.7	Cobalt	mg/L	1.03	1.01	1.00	1.8	20	103	X514056 - X5C0361-01	
EPA 200.7	Copper	mg/L	1.03	1.00	1.00	2.5	20	103	X514056 - X5C0361-01	
EPA 200.7	Iron	mg/L	10.1	9.92	10.0	2.3	20	101	X514056 - X5C0361-01	
EPA 200.7	Lead	mg/L	1.05	1.03	1.00	2.4	20	105	X514056 - X5C0361-01	
EPA 200.7	Lithium	mg/L	0.823	0.815	1.00	0.9	20	82.3	X514056 - X5C0361-01	
EPA 200.7	Magnesium	mg/L	20.2	19.9	20.0	1.5	20	101	X514056 - X5C0361-01	
EPA 200.7	Manganese	mg/L	1.04	1.02	1.00	2.1	20	104	X514056 - X5C0361-01	
EPA 200.7	Molybdenum	mg/L	1.05	1.03	1.00	1.8	20	105	X514056 - X5C0361-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0361**
Reported: 08-Apr-25 13:46

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	Nickel	mg/L	1.02	1.01	1.00	1.7	20	102	X514056 - X5C0361-01	
EPA 200.7	Potassium	mg/L	21.6	21.1	20.0	2.4	20	106	X514056 - X5C0361-01	
EPA 200.7	Silver	mg/L	0.0461	0.0459	0.0500	0.5	20	92.2	X514056 - X5C0361-01	
EPA 200.7	Sodium	mg/L	20.2	19.6	19.0	2.8	20	104	X514056 - X5C0361-01	
EPA 200.7	Vanadium	mg/L	1.06	1.04	1.00	2.0	20	106	X514056 - X5C0361-01	
EPA 200.7	Zinc	mg/L	1.06	1.04	1.00	1.9	20	105	X514056 - X5C0361-01	
EPA 200.8	Antimony	mg/L	0.0262	0.0261	0.0250	0.7	20	105	X513078 - X5C0325-01	
EPA 200.8	Arsenic	mg/L	0.0296	0.0296	0.0250	0.1	20	115	X513078 - X5C0325-01	
EPA 200.8	Selenium	mg/L	0.0426	0.0426	0.0250	0.1	20	108	X513078 - X5C0325-01	
EPA 200.8	Thallium	mg/L	0.0296	0.0291	0.0250	1.6	20	118	X513078 - X5C0325-01	
EPA 200.8	Uranium	mg/L	0.0686	0.0689	0.0250	0.5	20	123	X513078 - X5C0325-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00206	0.00207	0.00200	0.7	20	103	X514050 - X5C0363-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.113	0.108	0.100	4.2	11	113	X514174 - X5D0024-01	
EPA 335.4	Cyanide (total)	mg/L	0.106	0.107	0.100	0.4	20	106	X514012 - X5C0361-01	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	1.00	0.6	20	101	X514082 - X5C0362-02	
OIA 1677	Cyanide (WAD)	mg/L	0.0703	0.0509	0.100	32.0	11	47.0	X514089 - X5C0295-02	M2,R2B
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	58.7	58.0	3.00	1.1	20	0.30R>S	X513052 - X5C0341-01	M4
EPA 300.0	Fluoride	mg/L	2.28	2.18	2.00	4.3	20	90.9	X513052 - X5C0341-01	
EPA 300.0	Nitrate as N	mg/L	7.03	6.95	2.00	1.2	20	106	X513052 - X5C0341-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	9.09	9.00	4.00	1.0	20	104	X513052 - X5C0341-01	
EPA 300.0	Nitrite as N	mg/L	2.06	2.06	2.00	0.2	20	103	X513052 - X5C0341-01	
EPA 300.0	Sulfate as SO4	mg/L	721	728	10.0	0.9	20	0.30R>S	X513052 - X5C0341-01	M4

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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0361**
Victor, CO 80860	Reported: 08-Apr-25 13:46

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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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GV-06	X5C0394-01	Ground Water	26-Mar-25 12:47	TR	27-Mar-2025	Q5
GV-4.5	X5C0394-02	Surface Water	26-Mar-25 13:05	TR	27-Mar-2025	
GV-05	X5C0394-03	Surface Water	26-Mar-25 13:30	TR	27-Mar-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: X5C0394

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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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

Client Sample ID: **GV-06**
SVL Sample ID: **X5C0394-01 (Ground Water)**

Sampled: 26-Mar-25 12:47
Received: 27-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 1631E	**Mercury**	2.20	ng/L	0.500	0.120		X514093	MAC	04/01/25 19:37	
EPA 245.1	Mercury	< 0.000093	mg/L	0.000200	0.000093		X514053	SJN	04/07/25 14:40	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.105	mg/L	0.0020	0.0019		X515015	NMS	04/08/25 10:56	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X515015	NMS	04/08/25 10:56	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X515015	NMS	04/08/25 10:56	
EPA 200.7	**Calcium**	20.7	mg/L	0.100	0.069		X515015	NMS	04/08/25 10:56	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X515015	NMS	04/08/25 10:56	
EPA 200.7	**Iron**	2.31	mg/L	0.100	0.056		X515015	NMS	04/08/25 10:56	
EPA 200.7	**Magnesium**	4.89	mg/L	0.500	0.090		X515015	NMS	04/08/25 10:56	
EPA 200.7	**Manganese**	1.87	mg/L	0.0080	0.0034		X515015	NMS	04/08/25 10:56	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X515015	NMS	04/08/25 10:56	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X515015	NMS	04/08/25 10:56	
EPA 200.7	**Phosphorus**	0.111	mg/L	0.050	0.013		X515015	NMS	04/08/25 10:56	
EPA 200.7	**Potassium**	4.09	mg/L	0.50	0.18		X515015	NMS	04/08/25 10:56	
EPA 200.7	**Sodium**	5.68	mg/L	0.50	0.12		X515015	NMS	04/08/25 10:56	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X515015	NMS	04/08/25 10:56	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515008	JRR	04/10/25 09:39	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515008	JRR	04/10/25 09:39	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X515008	JRR	04/10/25 09:39	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X515008	JRR	04/10/25 09:39	
EPA 200.8	**Copper**	0.00186	mg/L	0.00040	0.00036		X515008	JRR	04/10/25 09:39	
EPA 200.8	**Lead**	0.00142	mg/L	0.00020	0.00014		X515008	JRR	04/10/25 09:39	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515008	JRR	04/10/25 09:39	
SM 2340 B	**Hardness (as CaC03)**	71.0	mg/L	2.31	0.543		N/A		04/08/25 10:56	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514056	SJN	04/02/25 13:21	
EPA 200.7	**Barium**	0.0774	mg/L	0.0020	0.0019		X514056	SJN	04/02/25 13:21	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514056	SJN	04/02/25 13:21	
EPA 200.7	**Calcium**	19.6	mg/L	0.100	0.069		X514056	SJN	04/02/25 13:21	
EPA 200.7	**Iron**	0.418	mg/L	0.100	0.056		X514056	SJN	04/02/25 13:21	
EPA 200.7	**Magnesium**	4.71	mg/L	0.500	0.090		X514056	SJN	04/02/25 13:21	
EPA 200.7	**Manganese**	1.78	mg/L	0.0080	0.0034		X514056	SJN	04/02/25 13:21	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514056	SJN	04/02/25 13:21	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514056	SJN	04/02/25 13:21	
EPA 200.7	**Potassium**	3.74	mg/L	0.50	0.18		X514056	SJN	04/02/25 13:21	
EPA 200.7	**Sodium**	5.38	mg/L	0.50	0.12		X514056	SJN	04/02/25 13:21	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514056	SJN	04/02/25 13:21	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X514035	SMU	04/09/25 15:25	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X514035	SMU	04/09/25 15:25	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X514035	SMU	04/09/25 15:25	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X514035	SMU	04/09/25 15:25	
EPA 200.8	**Copper**	0.00065	mg/L	0.00040	0.00036		X514035	SMU	04/09/25 15:25	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X514035	SMU	04/09/25 15:25	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X514035	SMU	04/09/25 15:25	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X514035	SMU	04/09/25 15:25	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X514035	SMU	04/09/25 15:25	
EPA 200.8	**Uranium**	0.00112	mg/L	0.000100	0.000052		X514035	SMU	04/09/25 15:25	

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

Client Sample ID: **GV-06**
SVL Sample ID: **X5C0394-01 (Ground Water)**

Sampled: 26-Mar-25 12:47
Received: 27-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514175	JPM	04/08/25 09:02	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		04/08/25 10:56	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514012	ORW	04/01/25 08:50	
EPA 350.1	**Ammonia as N**	0.147	mg/L	0.030	0.013		X514083	JPM	04/02/25 15:02	
EPA 351.2	**TKN**	0.69	mg/L	0.50	0.31		X514120	JPM	04/03/25 12:58	
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X514089	JPM	04/03/25 15:07	D13
SM 2310 B	**Acidity to pH 8.3**	-53.4	mg/L as CaCO3	10.0			X514230	MWD	04/04/25 12:39	
SM 2320 B	**Total Alkalinity**	47.4	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:42	
SM 2320 B	**Bicarbonate**	47.4	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:42	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:42	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:42	
SM 2540 C	**Total Diss. Solids**	117	mg/L	10			X514069	TJL	04/02/25 13:05	
SM 2540 D	**Total Susp. Solids**	22.0	mg/L	5.0			X514070	TJL	04/02/25 13:40	
SM 4500 H B	**pH @18.6°C**	7.1	pH Units				X514137	MWD	04/02/25 12:42	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X514001	CND	03/31/25 12:06	
SM 4500-O-G	**Dissolved Oxygen**	8.5	mg/L	0.1			X514071	TJL	04/01/25 11:40	H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X514068	CND	04/01/25 13:10	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		04/09/25 15:25	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.89	mg/L	0.20	0.02		X513129	RS	03/27/25 14:36	
EPA 300.0	**Fluoride**	0.476	mg/L	0.100	0.017		X513129	RS	03/27/25 14:36	
EPA 300.0	**Nitrate as N**	0.068	mg/L	0.050	0.013		X513129	RS	03/27/25 14:36	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X513129	RS	03/27/25 14:36	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X513129	RS	03/27/25 14:36	
EPA 300.0	**Sulfate as SO4**	32.5	mg/L	0.30	0.18		X513129	RS	03/27/25 14:36	

Cation/Anion Balance and TDS Ratios

Cation Sum: 1.79 meq/L Anion Sum: 1.79 meq/L C/A Balance: 0.08 % Calculated TDS: 101 TDS/cTDS: 1.16

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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www.svl.net

Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

Client Sample ID: **GV-4.5**
SVL Sample ID: **X5C0394-02 (Surface Water)**

Sampled: 26-Mar-25 13:05
Received: 27-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 1631E	**Mercury**	0.503	ng/L	0.500	0.120		X514093	MAC	04/01/25 19:42	
EPA 245.1	Mercury	< 0.000093	mg/L	0.000200	0.000093		X514053	SJN	04/07/25 14:42	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.126	mg/L	0.0020	0.0019		X515015	NMS	04/08/25 11:07	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X515015	NMS	04/08/25 11:07	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X515015	NMS	04/08/25 11:07	
EPA 200.7	**Calcium**	49.6	mg/L	0.100	0.069		X515015	NMS	04/08/25 11:07	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X515015	NMS	04/08/25 11:07	
EPA 200.7	**Iron**	29.1	mg/L	0.100	0.056		X515015	NMS	04/08/25 11:07	
EPA 200.7	**Magnesium**	11.1	mg/L	0.500	0.090		X515015	NMS	04/08/25 11:07	
EPA 200.7	**Manganese**	1.05	mg/L	0.0080	0.0034		X515015	NMS	04/08/25 11:07	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X515015	NMS	04/08/25 11:07	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X515015	NMS	04/08/25 11:07	
EPA 200.7	**Phosphorus**	0.242	mg/L	0.050	0.013		X515015	NMS	04/08/25 11:07	
EPA 200.7	**Potassium**	1.98	mg/L	0.50	0.18		X515015	NMS	04/08/25 11:07	
EPA 200.7	**Sodium**	13.6	mg/L	0.50	0.12		X515015	NMS	04/08/25 12:45	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X515015	NMS	04/08/25 11:07	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515008	JRR	04/10/25 09:42	
EPA 200.8	**Arsenic**	0.00159	mg/L	0.00100	0.00021		X515008	JRR	04/10/25 09:42	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X515008	JRR	04/10/25 09:42	
EPA 200.8	**Chromium**	0.00134	mg/L	0.00100	0.00017		X515008	JRR	04/10/25 09:42	
EPA 200.8	**Copper**	0.00107	mg/L	0.00040	0.00036		X515008	JRR	04/10/25 09:42	
EPA 200.8	**Lead**	0.00030	mg/L	0.00020	0.00014		X515008	JRR	04/10/25 09:42	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515008	JRR	04/10/25 09:42	
SM 2340 B	**Hardness (as CaC03)**	164	mg/L	2.31	0.543		N/A		04/08/25 11:07	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514056	SJN	04/02/25 13:23	
EPA 200.7	**Barium**	0.0891	mg/L	0.0020	0.0019		X514056	SJN	04/02/25 13:23	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514056	SJN	04/02/25 13:23	
EPA 200.7	**Calcium**	48.0	mg/L	0.100	0.069		X514056	SJN	04/02/25 13:23	
EPA 200.7	**Iron**	0.672	mg/L	0.100	0.056		X514056	SJN	04/02/25 13:23	
EPA 200.7	**Magnesium**	10.8	mg/L	0.500	0.090		X514056	SJN	04/02/25 13:23	
EPA 200.7	**Manganese**	0.316	mg/L	0.0080	0.0034		X514056	SJN	04/02/25 13:23	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514056	SJN	04/02/25 13:23	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514056	SJN	04/02/25 13:23	
EPA 200.7	**Potassium**	1.90	mg/L	0.50	0.18		X514056	SJN	04/02/25 13:23	
EPA 200.7	**Sodium**	13.6	mg/L	0.50	0.12		X514056	SJN	04/02/25 13:23	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514056	SJN	04/02/25 13:23	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X514035	SMU	04/09/25 15:28	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X514035	SMU	04/09/25 15:28	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X514035	SMU	04/09/25 15:28	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X514035	SMU	04/09/25 15:28	
EPA 200.8	**Copper**	0.00040	mg/L	0.00040	0.00036		X514035	SMU	04/09/25 15:28	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X514035	SMU	04/09/25 15:28	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X514035	SMU	04/09/25 15:28	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X514035	SMU	04/09/25 15:28	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X514035	SMU	04/09/25 15:28	
EPA 200.8	**Uranium**	0.000718	mg/L	0.000100	0.000052		X514035	SMU	04/09/25 15:28	

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

Client Sample ID: **GV-4.5**
SVL Sample ID: **X5C0394-02 (Surface Water)**

Sampled: 26-Mar-25 13:05
Received: 27-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514175	JPM	04/08/25 09:04	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		04/08/25 11:07	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514012	ORW	04/01/25 20:15	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X514083	JPM	04/02/25 15:04	
EPA 351.2	TKN	< 0.50	mg/L	0.50	0.31		X514120	JPM	04/03/25 13:00	
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X514089	JPM	04/03/25 15:09	D13
SM 2310 B	**Acidity to pH 8.3**	-92.0	mg/L as CaCO3	10.0			X514230	MWD	04/04/25 12:39	
SM 2320 B	**Total Alkalinity**	91.1	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:48	
SM 2320 B	**Bicarbonate**	91.1	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:48	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:48	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:48	
SM 2540 C	**Total Diss. Solids**	248	mg/L	10			X514069	TJL	04/02/25 13:05	
SM 2540 D	**Total Susp. Solids**	67.0	mg/L	5.0			X514070	TJL	04/02/25 13:40	
SM 4500 H B	**pH @18.6°C**	6.9	pH Units				X514137	MWD	04/02/25 12:48	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X514001	CND	03/31/25 12:07	
SM 4500-O-G	**Dissolved Oxygen**	7.5	mg/L	0.1			X514071	TJL	04/01/25 11:40	H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X514068	CND	04/01/25 13:10	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		04/09/25 15:28	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	26.7	mg/L	2.00	0.22	10	X513129	RS	03/27/25 15:55	
EPA 300.0	**Fluoride**	0.402	mg/L	0.100	0.017		X513129	RS	03/27/25 15:39	
EPA 300.0	**Nitrate as N**	0.271	mg/L	0.050	0.013		X513129	RS	03/27/25 15:39	
EPA 300.0	**Nitrate+Nitrite as N**	0.271	mg/L	0.100	0.044		X513129	RS	03/27/25 15:39	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X513129	RS	03/27/25 15:39	
EPA 300.0	**Sulfate as SO4**	70.7	mg/L	3.00	1.80	10	X513129	RS	03/27/25 15:55	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.97 meq/L Anion Sum: 4.09 meq/L C/A Balance: -1.46 % Calculated TDS: 229 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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

Client Sample ID: **GV-05**
SVL Sample ID: **X5C0394-03 (Surface Water)**

Sampled: 26-Mar-25 13:30
Received: 27-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 1631E	**Mercury**	2.17	ng/L	0.500	0.120		X514093	MAC	04/01/25 19:47	
EPA 245.1	**Mercury**	0.000144	mg/L	0.000200	0.000093		X514053	SJN	04/07/25 14:45	J
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.0660	mg/L	0.0020	0.0019		X515015	NMS	04/08/25 11:08	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X515015	NMS	04/08/25 11:08	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X515015	NMS	04/08/25 11:08	
EPA 200.7	**Calcium**	33.5	mg/L	0.100	0.069		X515015	NMS	04/08/25 11:08	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X515015	NMS	04/08/25 11:08	
EPA 200.7	**Iron**	3.80	mg/L	0.100	0.056		X515015	NMS	04/08/25 11:08	
EPA 200.7	**Magnesium**	7.98	mg/L	0.500	0.090		X515015	NMS	04/08/25 11:08	
EPA 200.7	**Manganese**	1.28	mg/L	0.0080	0.0034		X515015	NMS	04/08/25 11:08	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X515015	NMS	04/08/25 11:08	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X515015	NMS	04/08/25 11:08	
EPA 200.7	**Phosphorus**	0.131	mg/L	0.050	0.013		X515015	NMS	04/08/25 11:08	
EPA 200.7	**Potassium**	3.70	mg/L	0.50	0.18		X515015	NMS	04/08/25 11:08	
EPA 200.7	**Sodium**	10.3	mg/L	0.50	0.12		X515015	NMS	04/08/25 12:49	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X515015	NMS	04/08/25 11:08	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515008	JRR	04/10/25 09:49	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515008	JRR	04/10/25 09:49	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X515008	JRR	04/10/25 09:49	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X515008	JRR	04/10/25 09:49	
EPA 200.8	**Copper**	0.00128	mg/L	0.00040	0.00036		X515008	JRR	04/10/25 09:49	
EPA 200.8	**Lead**	0.00105	mg/L	0.00020	0.00014		X515008	JRR	04/10/25 09:49	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515008	JRR	04/10/25 09:49	
SM 2340 B	**Hardness (as CaC03)**	116	mg/L	2.31	0.543		N/A		04/02/25 13:28	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514056	SJN	04/02/25 13:28	
EPA 200.7	**Barium**	0.0376	mg/L	0.0020	0.0019		X514056	SJN	04/02/25 13:28	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514056	SJN	04/02/25 13:28	
EPA 200.7	**Calcium**	32.5	mg/L	0.100	0.069		X514056	SJN	04/02/25 13:28	
EPA 200.7	**Iron**	0.287	mg/L	0.100	0.056		X514056	SJN	04/02/25 13:28	
EPA 200.7	**Magnesium**	7.79	mg/L	0.500	0.090		X514056	SJN	04/02/25 13:28	
EPA 200.7	**Manganese**	0.594	mg/L	0.0080	0.0034		X514056	SJN	04/02/25 13:28	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514056	SJN	04/02/25 13:28	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514056	SJN	04/02/25 13:28	
EPA 200.7	**Potassium**	3.64	mg/L	0.50	0.18		X514056	SJN	04/02/25 13:28	
EPA 200.7	**Sodium**	10.4	mg/L	0.50	0.12		X514056	SJN	04/02/25 13:28	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514056	SJN	04/02/25 13:28	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X514035	SMU	04/09/25 15:30	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X514035	SMU	04/09/25 15:30	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X514035	SMU	04/09/25 15:30	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X514035	SMU	04/09/25 15:30	
EPA 200.8	**Copper**	0.00083	mg/L	0.00040	0.00036		X514035	SMU	04/09/25 15:30	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X514035	SMU	04/09/25 15:30	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X514035	SMU	04/09/25 15:30	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X514035	SMU	04/09/25 15:30	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X514035	SMU	04/09/25 15:30	
EPA 200.8	**Uranium**	0.000481	mg/L	0.000100	0.000052		X514035	SMU	04/09/25 15:30	

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

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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

Client Sample ID: **GV-05**
SVL Sample ID: **X5C0394-03 (Surface Water)**

Sampled: 26-Mar-25 13:30
Received: 27-Mar-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514175	JPM	04/08/25 09:17	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		04/08/25 11:08	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514012	ORW	04/01/25 20:12	
EPA 350.1	**Ammonia as N**	0.040	mg/L	0.030	0.013		X514083	JPM	04/02/25 15:07	
EPA 351.2	**TKN**	0.79	mg/L	0.50	0.31		X514120	JPM	04/03/25 13:13	
OIA 1677	**Cyanide (WAD)**	1.04	mg/L	0.0500	0.0100	10	X514089	JPM	04/03/25 15:11	
SM 2310 B	**Acidity to pH 8.3**	-72.7	mg/L as CaCO3	10.0			X514230	MWD	04/04/25 12:39	
SM 2320 B	**Total Alkalinity**	68.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:53	
SM 2320 B	**Bicarbonate**	68.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:53	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514137	MWD	04/02/25 12:53	
SM 2540 C	**Total Diss. Solids**	184	mg/L	10			X514069	TJL	04/02/25 13:05	
SM 2540 D	**Total Susp. Solids**	23.0	mg/L	5.0			X514070	TJL	04/02/25 13:40	
SM 4500 H B	**pH @18.6°C**	7.4	pH Units				X514137	MWD	04/02/25 12:53	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X514001	CND	03/31/25 12:07	
SM 4500-O-G	**Dissolved Oxygen**	8.4	mg/L	0.1			X514071	TJL	04/01/25 11:40	H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X514068	CND	04/01/25 13:10	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		04/09/25 15:30	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	9.27	mg/L	0.20	0.02		X513129	RS	03/27/25 16:11	
EPA 300.0	**Fluoride**	0.529	mg/L	0.100	0.017		X513129	RS	03/27/25 16:11	
EPA 300.0	**Nitrate as N**	0.098	mg/L	0.050	0.013		X513129	RS	03/27/25 16:11	
EPA 300.0	**Nitrate+Nitrite as N**	0.112	mg/L	0.100	0.044		X513129	RS	03/27/25 16:11	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X513129	RS	03/27/25 16:11	
EPA 300.0	**Sulfate as SO4**	59.3	mg/L	3.00	1.80	10	X513129	RS	03/27/25 16:27	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.85 meq/L Anion Sum: 2.89 meq/L C/A Balance: -0.79 % Calculated TDS: 165 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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AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total)								
EPA 1631E	Mercury	ng/L	<0.500	0.120	0.500	X514093	01-Apr-25	
EPA 1631E	Mercury	ng/L	<0.500	0.120	0.500	X514093	01-Apr-25	
EPA 1631E	Mercury	ng/L	<0.500	0.120	0.500	X514093	01-Apr-25	
EPA 245.1	Mercury	mg/L	<0.000093	0.000093	0.000200	X514053	07-Apr-25	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X515015	08-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X515015	08-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X515015	08-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X515015	08-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X515015	08-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X515015	08-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X515015	08-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X515015	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X515015	08-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X515015	08-Apr-25	
EPA 200.7	Phosphorus	mg/L	<0.050	0.013	0.050	X515015	08-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X515015	08-Apr-25	
EPA 200.7	Sodium	mg/L	<0.12	0.12	0.50	X515015	08-Apr-25	U
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X515015	08-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X515008	10-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X515008	10-Apr-25	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X515008	10-Apr-25	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X515008	10-Apr-25	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X515008	10-Apr-25	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X515008	10-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X515008	10-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X514056	02-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X514056	02-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X514056	02-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X514056	02-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X514056	02-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514056	02-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X514056	02-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X514056	02-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X514056	02-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514056	02-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X514056	02-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X514056	02-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X514035	09-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X514035	09-Apr-25	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X514035	09-Apr-25	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X514035	09-Apr-25	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X514035	09-Apr-25	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X514035	09-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X514035	09-Apr-25	
EPA 200.8	Silver	mg/L	<0.00008	0.000061	0.00008	X514035	09-Apr-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X514035	09-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X514035	09-Apr-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X514175	08-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X514012	01-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X514083	02-Apr-25	
EPA 351.2	TKN	mg/L	<0.50	0.31	0.50	X514120	03-Apr-25	

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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Classical Chemistry Parameters (Continued)								
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X514089	03-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X514230	04-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X514137	02-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X514137	02-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X514137	02-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X514137	02-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X514069	02-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X514070	02-Apr-25	
SM 4500 S D	Sulfide	mg/L	<0.050	0.020	0.050	X514001	31-Mar-25	
Dissolved Classical Chemistry Parameters								
SM 3500 Cr B	Hexavalent Chromium	mg/L	<0.0050	0.0019	0.0050	X514068	01-Apr-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X513129	27-Mar-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X513129	27-Mar-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X513129	27-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X513129	27-Mar-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X513129	27-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X513129	27-Mar-25	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 1631E	Mercury	ng/L	5.19	5.00	104	77 - 123	X514093	01-Apr-25	
EPA 245.1	Mercury	mg/L	0.00215	0.00200	107	85 - 115	X514053	07-Apr-25	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Barium	mg/L	0.962	1.00	96.2	85 - 115	X515015	08-Apr-25	
EPA 200.7	Beryllium	mg/L	0.976	1.00	97.6	85 - 115	X515015	08-Apr-25	
EPA 200.7	Boron	mg/L	1.00	1.00	100	85 - 115	X515015	08-Apr-25	
EPA 200.7	Calcium	mg/L	19.4	20.0	97	85 - 115	X515015	08-Apr-25	
EPA 200.7	Chromium	mg/L	0.967	1.00	96.7	85 - 115	X515015	08-Apr-25	
EPA 200.7	Iron	mg/L	9.72	10.0	97.2	85 - 115	X515015	08-Apr-25	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.3	85 - 115	X515015	08-Apr-25	
EPA 200.7	Manganese	mg/L	0.958	1.00	95.8	85 - 115	X515015	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.987	1.00	98.7	85 - 115	X515015	08-Apr-25	
EPA 200.7	Nickel	mg/L	0.948	1.00	94.8	85 - 115	X515015	08-Apr-25	
EPA 200.7	Phosphorus	mg/L	1.04	1.00	104	85 - 115	X515015	08-Apr-25	
EPA 200.7	Potassium	mg/L	19.5	20.0	97.4	85 - 115	X515015	08-Apr-25	
EPA 200.7	Sodium	mg/L	18.8	19.0	98.9	85 - 115	X515015	08-Apr-25	
EPA 200.7	Zinc	mg/L	0.977	1.00	97.7	85 - 115	X515015	08-Apr-25	
EPA 200.8	Antimony	mg/L	0.0248	0.0250	99.3	85 - 115	X515008	10-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0238	0.0250	95.3	85 - 115	X515008	10-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0248	0.0250	99.2	85 - 115	X515008	10-Apr-25	
EPA 200.8	Chromium	mg/L	0.0260	0.0250	104	85 - 115	X515008	10-Apr-25	
EPA 200.8	Copper	mg/L	0.0261	0.0250	104	85 - 115	X515008	10-Apr-25	
EPA 200.8	Lead	mg/L	0.0248	0.0250	99.1	85 - 115	X515008	10-Apr-25	
EPA 200.8	Selenium	mg/L	0.0225	0.0250	90.1	85 - 115	X515008	10-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.951	1.00	95.1	85 - 115	X514056	02-Apr-25	
EPA 200.7	Barium	mg/L	0.966	1.00	96.6	85 - 115	X514056	02-Apr-25	

SVL holds the following certifications:
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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Dissolved) (Continued)									
EPA 200.7	Beryllium	mg/L	0.988	1.00	98.8	85 - 115	X514056	02-Apr-25	
EPA 200.7	Calcium	mg/L	18.8	20.0	94.2	85 - 115	X514056	02-Apr-25	
EPA 200.7	Iron	mg/L	9.46	10.0	94.6	85 - 115	X514056	02-Apr-25	
EPA 200.7	Magnesium	mg/L	18.6	20.0	93.2	85 - 115	X514056	02-Apr-25	
EPA 200.7	Manganese	mg/L	0.967	1.00	96.7	85 - 115	X514056	02-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.981	1.00	98.1	85 - 115	X514056	02-Apr-25	
EPA 200.7	Nickel	mg/L	0.952	1.00	95.2	85 - 115	X514056	02-Apr-25	
EPA 200.7	Potassium	mg/L	19.9	20.0	99.4	85 - 115	X514056	02-Apr-25	
EPA 200.7	Sodium	mg/L	18.4	19.0	96.9	85 - 115	X514056	02-Apr-25	
EPA 200.7	Zinc	mg/L	0.965	1.00	96.5	85 - 115	X514056	02-Apr-25	
EPA 200.8	Antimony	mg/L	0.0245	0.0250	98.0	85 - 115	X514035	09-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0248	0.0250	99.2	85 - 115	X514035	09-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0245	0.0250	98.0	85 - 115	X514035	09-Apr-25	
EPA 200.8	Chromium	mg/L	0.0243	0.0250	97.3	85 - 115	X514035	09-Apr-25	
EPA 200.8	Copper	mg/L	0.0254	0.0250	102	85 - 115	X514035	09-Apr-25	
EPA 200.8	Lead	mg/L	0.0250	0.0250	99.8	85 - 115	X514035	09-Apr-25	
EPA 200.8	Selenium	mg/L	0.0245	0.0250	98.1	85 - 115	X514035	09-Apr-25	
EPA 200.8	Silver	mg/L	0.0250	0.0250	100	85 - 115	X514035	09-Apr-25	
EPA 200.8	Thallium	mg/L	0.0248	0.0250	99.2	85 - 115	X514035	09-Apr-25	
EPA 200.8	Uranium	mg/L	0.0252	0.0250	101	85 - 115	X514035	09-Apr-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0999	0.100	99.9	90 - 110	X514175	08-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0994	0.100	99.4	90 - 110	X514012	01-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.968	1.00	96.8	90 - 110	X514083	02-Apr-25	
EPA 351.2	TKN	mg/L	8.18	8.00	102	90 - 110	X514120	03-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.100	106	90 - 110	X514089	03-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	727	706	103	95.4 - 104	X514230	04-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	94 - 106	X514137	02-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X514137	02-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	411	397	103	94 - 106	X514137	02-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X514070	02-Apr-25	
SM 4500 S D	Sulfide	mg/L	0.521	0.500	104	85 - 115	X514001	31-Mar-25	
Dissolved Classical Chemistry Parameters									
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0964	0.100	96.4	80 - 120	X514068	01-Apr-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.93	3.00	97.7	90 - 110	X513129	27-Mar-25	
EPA 300.0	Fluoride	mg/L	1.99	2.00	99.3	90 - 110	X513129	27-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.96	2.00	98.2	90 - 110	X513129	27-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.54	4.50	101	90 - 110	X513129	27-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.57	2.50	103	90 - 110	X513129	27-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.92	10.0	99.2	90 - 110	X513129	27-Mar-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

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	<RL	20	X514230 - X5C0361-01	04-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	105	106	1.0	20	X514137 - X5C0363-01	02-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	105	106	1.0	20	X514137 - X5C0363-01	02-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X514137 - X5C0363-01	02-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X514137 - X5C0363-01	02-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	246	248	0.8	10	X514069 - X5C0394-02	02-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	67.0	67.0	0.0	10	X514070 - X5C0394-02	02-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	7.0	<5.0	<RL	10	X514070 - X5C0441-01	02-Apr-25	R2B
SM 4500 H B	pH @18.3°C	pH Units	7.4	7.4	0.4	20	X514137 - X5C0363-01	02-Apr-25	
SM 4500-O-G	Dissolved Oxygen	mg/L	8.3	8.5	2.4	20	X514071 - X5C0394-01	01-Apr-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)										
EPA 1631E	Mercury	ng/L	3.27	0.773	2.50	99.9	71 - 125	X514093 - X5C0356-01	01-Apr-25	
EPA 245.1	Mercury	mg/L	0.00217	<0.000093	0.00200	108	70 - 130	X514053 - X5C0362-01	07-Apr-25	
EPA 245.1	Mercury	mg/L	0.00218	<0.000093	0.00200	109	70 - 130	X514053 - X5C0432-01	07-Apr-25	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	1.03	0.105	1.00	92.3	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Beryllium	mg/L	0.969	<0.00200	1.00	96.9	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Boron	mg/L	1.01	<0.0400	1.00	99.0	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Calcium	mg/L	39.0	20.7	20.0	92	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Chromium	mg/L	0.951	<0.0060	1.00	95.1	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Iron	mg/L	11.8	2.31	10.0	94.8	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Magnesium	mg/L	23.8	4.89	20.0	94.6	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Manganese	mg/L	2.78	1.87	1.00	91.2	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.973	<0.0080	1.00	97.3	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Nickel	mg/L	0.928	<0.0100	1.00	92.8	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Phosphorus	mg/L	1.13	0.111	1.00	102	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Potassium	mg/L	23.1	4.09	20.0	95.2	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Sodium	mg/L	23.9	5.68	19.0	95.8	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.7	Zinc	mg/L	0.963	<0.0100	1.00	95.6	70 - 130	X515015 - X5C0394-01	08-Apr-25	
EPA 200.8	Antimony	mg/L	0.0257	<0.00100	0.0250	103	70 - 130	X515008 - X5C0394-02	10-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0245	0.00159	0.0250	91.4	70 - 130	X515008 - X5C0394-02	10-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0252	<0.000100	0.0250	101	70 - 130	X515008 - X5C0394-02	10-Apr-25	
EPA 200.8	Chromium	mg/L	0.0244	0.00134	0.0250	92.4	70 - 130	X515008 - X5C0394-02	10-Apr-25	
EPA 200.8	Copper	mg/L	0.0246	0.00107	0.0250	94.2	70 - 130	X515008 - X5C0394-02	10-Apr-25	
EPA 200.8	Lead	mg/L	0.0245	0.00030	0.0250	96.8	70 - 130	X515008 - X5C0394-02	10-Apr-25	
EPA 200.8	Selenium	mg/L	0.0224	<0.00100	0.0250	89.7	70 - 130	X515008 - X5C0394-02	10-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.998	<0.080	1.00	99.8	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Barium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Beryllium	mg/L	1.03	<0.00200	1.00	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Calcium	mg/L	20.0	0.247	20.0	98.6	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Iron	mg/L	9.92	<0.100	10.0	99.2	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Magnesium	mg/L	19.9	<0.500	20.0	99.4	70 - 130	X514056 - X5C0361-01	02-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

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	1.02	<0.0080	1.00	102	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.03	<0.0080	1.00	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Potassium	mg/L	21.1	<0.50	20.0	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Sodium	mg/L	19.6	<0.50	19.0	101	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.7	Zinc	mg/L	1.04	<0.0100	1.00	103	70 - 130	X514056 - X5C0361-01	02-Apr-25	
EPA 200.8	Antimony	mg/L	0.0247	<0.00100	0.0250	98.7	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Antimony	mg/L	0.0233	<0.00100	0.0250	93.3	70 - 130	X514035 - X5C0414-06	09-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0255	<0.00100	0.0250	101	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0237	<0.00100	0.0250	94.8	70 - 130	X514035 - X5C0414-06	09-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0250	<0.000100	0.0250	100	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0228	<0.000100	0.0250	91.4	70 - 130	X514035 - X5C0414-06	09-Apr-25	
EPA 200.8	Chromium	mg/L	0.0241	<0.00100	0.0250	96.4	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Chromium	mg/L	0.0224	<0.00100	0.0250	88.7	70 - 130	X514035 - X5C0414-06	09-Apr-25	
EPA 200.8	Copper	mg/L	0.0255	0.00069	0.0250	99.3	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Copper	mg/L	0.0260	0.00139	0.0250	98.5	70 - 130	X514035 - X5C0414-06	09-Apr-25	
EPA 200.8	Lead	mg/L	0.0246	<0.00020	0.0250	98.5	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Lead	mg/L	0.0227	<0.00020	0.0250	90.7	70 - 130	X514035 - X5C0414-06	09-Apr-25	
EPA 200.8	Selenium	mg/L	0.0249	<0.00100	0.0250	96.8	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Selenium	mg/L	0.0229	<0.00100	0.0250	91.6	70 - 130	X514035 - X5C0414-06	09-Apr-25	
EPA 200.8	Silver	mg/L	0.0242	<0.00008	0.0250	96.9	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Silver	mg/L	0.0226	<0.00008	0.0250	90.4	70 - 130	X514035 - X5C0414-06	09-Apr-25	
EPA 200.8	Thallium	mg/L	0.0250	<0.000200	0.0250	99.8	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Thallium	mg/L	0.0232	<0.000200	0.0250	92.7	70 - 130	X514035 - X5C0414-06	09-Apr-25	
EPA 200.8	Uranium	mg/L	0.0273	0.00196	0.0250	101	70 - 130	X514035 - X5C0362-01	09-Apr-25	
EPA 200.8	Uranium	mg/L	0.0233	0.000311	0.0250	91.8	70 - 130	X514035 - X5C0414-06	09-Apr-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.102	<0.0050	0.100	102	79 - 121	X514175 - X5C0394-02	08-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.107	<0.0050	0.100	107	90 - 110	X514012 - X5C0361-01	01-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.103	<0.0050	0.100	103	90 - 110	X514012 - X5C0363-01	01-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.13	0.147	1.00	98.3	90 - 110	X514083 - X5C0394-01	02-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.977	<0.030	1.00	97.7	90 - 110	X514083 - X5C0394-02	02-Apr-25	
EPA 351.2	TKN	mg/L	10.0	2.02	8.00	99.8	90 - 110	X514120 - X5C0382-04	03-Apr-25	
EPA 351.2	TKN	mg/L	8.20	<0.50	8.00	103	90 - 110	X514120 - X5C0382-02	03-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0509	0.0233	0.100	27.6	82 - 118	X514089 - X5C0295-02	03-Apr-25	M2,R2B
OIA 1677	Cyanide (WAD)	mg/L	0.0517	<0.0050	0.100	49.6	82 - 118	X514089 - X5C0295-01	03-Apr-25	M2
SM 4500 S D	Sulfide	mg/L	0.216	<0.050	0.200	108	75 - 125	X514001 - X5C0394-02	31-Mar-25	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0222	<0.0050	0.0222	100	75 - 125	X514068 - X5C0424-03	01-Apr-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.95	4.89	3.00	102	90 - 110	X513129 - X5C0394-01	27-Mar-25	
EPA 300.0	Chloride	mg/L	2.87	<0.20	3.00	95.7	90 - 110	X513129 - X5C0395-08	27-Mar-25	
EPA 300.0	Fluoride	mg/L	2.38	0.476	2.00	95.2	90 - 110	X513129 - X5C0394-01	27-Mar-25	
EPA 300.0	Fluoride	mg/L	1.89	<0.100	2.00	94.3	90 - 110	X513129 - X5C0395-08	27-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.98	0.068	2.00	95.7	90 - 110	X513129 - X5C0394-01	27-Mar-25	
EPA 300.0	Nitrate as N	mg/L	1.89	<0.050	2.00	94.6	90 - 110	X513129 - X5C0395-08	27-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.97	<0.100	4.00	97.5	90 - 110	X513129 - X5C0394-01	27-Mar-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.90	<0.100	4.00	97.4	90 - 110	X513129 - X5C0395-08	27-Mar-25	

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Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Nitrite as N	mg/L	1.99	<0.050	2.00	99.7	90 - 110	X513129 - X5C0394-01	27-Mar-25	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	100	90 - 110	X513129 - X5C0395-08	27-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	42.6	32.5	10.0	101	90 - 110	X513129 - X5C0394-01	27-Mar-25	
EPA 300.0	Sulfate as SO4	mg/L	9.72	<0.30	10.0	97.2	90 - 110	X513129 - X5C0395-08	27-Mar-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)										
EPA 1631E	Mercury	ng/L	3.16	3.27	2.50	3.4	24	95.6	X514093 - X5C0356-01	
EPA 245.1	Mercury	mg/L	0.00211	0.00217	0.00200	2.7	20	106	X514053 - X5C0362-01	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	1.06	1.03	1.00	3.0	20	95.5	X515015 - X5C0394-01	
EPA 200.7	Beryllium	mg/L	0.977	0.969	1.00	0.8	20	97.7	X515015 - X5C0394-01	
EPA 200.7	Boron	mg/L	1.03	1.01	1.00	2.1	20	101	X515015 - X5C0394-01	
EPA 200.7	Calcium	mg/L	39.7	39.0	20.0	2.0	20	95	X515015 - X5C0394-01	
EPA 200.7	Chromium	mg/L	0.969	0.951	1.00	1.9	20	96.9	X515015 - X5C0394-01	
EPA 200.7	Iron	mg/L	11.9	11.8	10.0	1.1	20	96.1	X515015 - X5C0394-01	
EPA 200.7	Magnesium	mg/L	24.5	23.8	20.0	2.9	20	98.1	X515015 - X5C0394-01	
EPA 200.7	Manganese	mg/L	2.85	2.78	1.00	2.3	20	97.8	X515015 - X5C0394-01	
EPA 200.7	Molybdenum	mg/L	0.993	0.973	1.00	2.0	20	99.3	X515015 - X5C0394-01	
EPA 200.7	Nickel	mg/L	0.948	0.928	1.00	2.1	20	94.8	X515015 - X5C0394-01	
EPA 200.7	Phosphorus	mg/L	1.15	1.13	1.00	1.7	20	104	X515015 - X5C0394-01	
EPA 200.7	Potassium	mg/L	23.4	23.1	20.0	1.1	20	96.4	X515015 - X5C0394-01	
EPA 200.7	Sodium	mg/L	24.7	23.9	19.0	3.6	20	100	X515015 - X5C0394-01	
EPA 200.7	Zinc	mg/L	0.979	0.963	1.00	1.6	20	97.2	X515015 - X5C0394-01	
EPA 200.8	Antimony	mg/L	0.0259	0.0257	0.0250	0.9	20	104	X515008 - X5C0394-02	
EPA 200.8	Arsenic	mg/L	0.0254	0.0245	0.0250	3.8	20	95.2	X515008 - X5C0394-02	
EPA 200.8	Cadmium	mg/L	0.0258	0.0252	0.0250	2.4	20	103	X515008 - X5C0394-02	
EPA 200.8	Chromium	mg/L	0.0244	0.0244	0.0250	0.1	20	92.3	X515008 - X5C0394-02	
EPA 200.8	Copper	mg/L	0.0251	0.0246	0.0250	1.8	20	96.0	X515008 - X5C0394-02	
EPA 200.8	Lead	mg/L	0.0246	0.0245	0.0250	0.5	20	97.3	X515008 - X5C0394-02	
EPA 200.8	Selenium	mg/L	0.0227	0.0224	0.0250	1.0	20	90.6	X515008 - X5C0394-02	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	0.998	1.00	1.7	20	101	X514056 - X5C0361-01	
EPA 200.7	Barium	mg/L	1.03	1.02	1.00	1.1	20	103	X514056 - X5C0361-01	
EPA 200.7	Beryllium	mg/L	1.06	1.03	1.00	2.9	20	106	X514056 - X5C0361-01	
EPA 200.7	Calcium	mg/L	20.5	20.0	20.0	2.5	20	101	X514056 - X5C0361-01	
EPA 200.7	Iron	mg/L	10.1	9.92	10.0	2.3	20	101	X514056 - X5C0361-01	
EPA 200.7	Magnesium	mg/L	20.2	19.9	20.0	1.5	20	101	X514056 - X5C0361-01	
EPA 200.7	Manganese	mg/L	1.04	1.02	1.00	2.1	20	104	X514056 - X5C0361-01	
EPA 200.7	Molybdenum	mg/L	1.05	1.03	1.00	1.8	20	105	X514056 - X5C0361-01	
EPA 200.7	Nickel	mg/L	1.02	1.01	1.00	1.7	20	102	X514056 - X5C0361-01	
EPA 200.7	Potassium	mg/L	21.6	21.1	20.0	2.4	20	106	X514056 - X5C0361-01	
EPA 200.7	Sodium	mg/L	20.2	19.6	19.0	2.8	20	104	X514056 - X5C0361-01	
EPA 200.7	Zinc	mg/L	1.06	1.04	1.00	1.9	20	105	X514056 - X5C0361-01	
EPA 200.8	Antimony	mg/L	0.0251	0.0247	0.0250	1.7	20	100	X514035 - X5C0362-01	
EPA 200.8	Arsenic	mg/L	0.0255	0.0255	0.0250	0.0	20	101	X514035 - X5C0362-01	
EPA 200.8	Cadmium	mg/L	0.0252	0.0250	0.0250	0.7	20	101	X514035 - X5C0362-01	
EPA 200.8	Chromium	mg/L	0.0240	0.0241	0.0250	0.3	20	96.1	X514035 - X5C0362-01	
EPA 200.8	Copper	mg/L	0.0255	0.0255	0.0250	0.1	20	99.3	X514035 - X5C0362-01	
EPA 200.8	Lead	mg/L	0.0252	0.0246	0.0250	2.2	20	101	X514035 - X5C0362-01	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5C0394**
Reported: 14-Apr-25 10:33

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 200.8	Selenium	mg/L	0.0265	0.0249	0.0250	6.4	20	103	X514035 - X5C0362-01	
EPA 200.8	Silver	mg/L	0.0242	0.0242	0.0250	0.1	20	96.9	X514035 - X5C0362-01	
EPA 200.8	Thallium	mg/L	0.0249	0.0250	0.0250	0.3	20	99.6	X514035 - X5C0362-01	
EPA 200.8	Uranium	mg/L	0.0272	0.0273	0.0250	0.4	20	101	X514035 - X5C0362-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.102	0.102	0.100	0.0	11	102	X514175 - X5C0394-02	
EPA 335.4	Cyanide (total)	mg/L	0.106	0.107	0.100	0.4	20	106	X514012 - X5C0361-01	
EPA 350.1	Ammonia as N	mg/L	1.14	1.13	1.00	1.1	20	99.6	X514083 - X5C0394-01	
EPA 351.2	TKN	mg/L	10.2	10.0	8.00	1.7	20	102	X514120 - X5C0382-04	
OIA 1677	Cyanide (WAD)	mg/L	0.0703	0.0509	0.100	32.0	11	47.0	X514089 - X5C0295-02	M2,R2B
SM 4500 S D	Sulfide	mg/L	0.215	0.216	0.200	0.5	20	108	X514001 - X5C0394-02	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0219	0.0222	0.0222	1.2	20	98.8	X514068 - X5C0424-03	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.11	2.87	3.00	7.9	20	104	X513129 - X5C0395-08	
EPA 300.0	Fluoride	mg/L	2.02	1.89	2.00	7.0	20	101	X513129 - X5C0395-08	
EPA 300.0	Nitrate as N	mg/L	2.04	1.89	2.00	7.6	20	102	X513129 - X5C0395-08	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.06	3.90	4.00	4.2	20	102	X513129 - X5C0395-08	
EPA 300.0	Nitrite as N	mg/L	2.02	2.00	2.00	1.0	20	101	X513129 - X5C0395-08	
EPA 300.0	Sulfate as SO4	mg/L	10.3	9.72	10.0	6.2	20	103	X513129 - X5C0395-08	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5C0394**
Victor, CO 80860	Reported: 14-Apr-25 10:33

Notes and Definitions

D13	Due to noticeable turbidity or opacity, 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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
R2B	RPD exceeded the laboratory acceptance limit.
U	Indicates the analyte was analyzed for but was not detected, result was less than the MDL.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Attachment 2
Surface Waer Calculations

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

GV-4.5

Sample Date: 3/26/2025

Data for Calculations:		
pH	6.53	std units
Hardness	164	mg/L
Temperature	3.3	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-4.5 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	6.53
Temperature (^{o}C)	< 21.7	< 17	3.3
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	32.23064	6.638	<0.030
Boron	---	0.750	<0.0400
Chloride	---	250.000	26.7
Chlorine	0.019	0.011	--
Cyanide (Free)	0.005	---	<0.0050
Nitrate	10	---	0.271
Nitrite	---	0.050	<0.050
Sulfide	---	0.002	<0.050
Sulfate	---	250.000	70.7
Phosporus	---	0.110	**0.242**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	0.00159
Cadmium	0.00285	0.00104	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.11114	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.02142	0.01367	0.0004
Iron	---	0.30000	**0.627**
Iron (T)	---	1.00000	**29.1**
Lead	0.11018	0.00429	<0.00020
Lead (T)	0.05000	---	0.0003
Manganese	3.52053	1.94509	0.316
Mercury (T)	---	0.00001	0.000000503
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.71158	0.07903	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00475	0.00018	<0.00008
Uranium	0.01680	0.01680	0.000718
Zinc	0.25090	0.19004	<0.0100

Temporary Modification for chronic arsenic concentration applied. See Regulation 5 CCR 1002-32 32.6 (2)(c)(iii)

Bold text indicates that an Acute and/or Chronic standard has been exceeded.

- Invalid results, past regulatory hold time

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

GV-05

Sample Date: 3/26/2025

Data for Calculations:		
pH	7.45	std units
Hardness	116	mg/L
Temperature	6.3	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-05 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	7.45
Temperature (^{o}C)	< 21.7	< 17	6.3
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	14.29576	4.552	0.04
Boron	---	0.750	<0.0400
Chloride	---	250.000	9.27
Chlorine	0.019	0.011	--
Cyanide (Free)	0.005	---	<0.0050
Nitrate	10	---	0.098
Nitrite	---	0.050	<0.050
Sulfide	---	0.002	<0.050
Sulfate	---	250.000	59.3
Phosporus	---	0.110	**0.131**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	<0.00100
Cadmium	0.00206	0.00080	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.08370	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.01546	0.01017	0.00083
Iron	---	0.30000	0.287
Iron (T)	---	1.00000	**3.8**
Lead	0.07588	0.00296	<0.00020
Lead (T)	0.05000	---	<0.00020
Manganese	3.13700	1.73319	0.594
Mercury (T)	---	0.00001	0.00000217
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.53088	0.05896	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00262	0.00010	<0.00008
Uranium	0.01680	0.01680	0.000481
Zinc	0.18313	0.13870	<0.0100

Temporary Modification for chronic arsenic concentration applied. See Regulation 5 CCR 1002-32 32.6 (2)(c)(iii)

Bold text indicates that an Acute and/or Chronic standard has been exceeded.

- Invalid results, past regulatory hold time

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

GV-06

Sample Date: 3/26/2025

Data for Calculations:		
pH	7.29	std units
Hardness	71	mg/L
Temperature	0.9	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-06 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	7.29
Temperature (^{o}C)	< 21.7	< 17	0.9
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	5.110	17.727	0.147
Boron	0.750	---	<0.0400
Chloride	250.000	---	4.89
Chlorine	0.011	0.019	**--**
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	0.068
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.050
Sulfate	250.000	---	136
Phosporus	0.110	---	**0.111**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	<0.00100
Cadmium	0.00130	0.00056	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.05599	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.00973	0.00668	0.00065
Iron	---	0.30000	**0.418**
Iron (T)	---	1.00000	**2.31**
Lead	0.04439	0.00173	<0.00020
Lead (T)	0.05000	---	0.00142
Manganese	2.66377	1.47174	**1.78**
Mercury (T)	---	0.00001	0.0000022
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.35045	0.03892	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00113	0.00004	<0.00008
Uranium	0.01680	0.01680	0.00112
Zinc	0.11718	0.08876	<0.0100

Temporary Modification for chronic arsenic concentration applied. See Regulation 5 CCR 1002-32 32.6 (2)(c)(iii)

Bold text indicates that an Acute and/or Chronic standard has been exceeded.

- Invalid results, past regulatory hold time

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Attachment 3
Sampling Logs

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: EMP-16 **Date:** 3/14/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:30	—	Dry	—	—

Sample Method: —

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 37°, Cloudy

Signature:

Comments / Notes:

EMP-16 is Dry // Frozen

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: EMP-17 **Date:** 3/19/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:35		Dry		

Sample Method:

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 35°, cloudy

Signature:

Comments / Notes:

EMP-17 is dry/frozen.

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: EmP-17A **Date:** 3/19/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:38		Dry		

Sample Method:

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 37°, Sunny

Signature:

Comments / Notes:

EmP-17A is dry/frozen

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: EmP-17B **Date:** 3/10/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:42		Dry		

Sample Method:

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 36°, cloudy

Signature:

Comments / Notes:

EmP-17B is dry/frozen

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: EMP-20 **Date:** 3/19/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:44		Dry		

Sample Method:

Oil/Gas visible [Y/N]

Turbid [Y/N]

Clear [Y/N]

Weather: 36°, Cloudy

Signature:

Comments / Notes:

EMP-20 is dry/frozen

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: GV-02 **Date:** 3/26/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
12:30		Dry		

Sample Method:

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 41° Sunny

Signature: JMC

Comments / Notes:

GV-02 is dry

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: GV-03 **Date:** 3/26/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
12:35		Dry		

Sample Method:

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

Turbid [Y/N]

Clear ~~[Y/N]~~

Weather: 41°, Sunny

Signature:

Comments / Notes:

GV-03 is dry

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: ~~GUMBO-4.5~~ GV-4.5 **Date:** 3/26/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
1:05	6.53	317.1	3.3	136.3	0.041

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [(Y) N] - slightly

Clear [(Y) / N]

Weather: 41°, Sunny

Signature:

Comments / Notes:

new spring caused lots of dirt to kick up.

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: ~~GUMW-05~~ SC GV-05 **Date:** 3/26/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
1:30	7.45	227	6.3	263.5	0.124

Sample Method: grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 41°, Sunny

Signature:

Comments / Notes:

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: ~~GVMW-06~~ GV-06 **Date:** 3/26/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
12:47	7.29	167	0.9	211	0.044

Sample Method: grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 41°, Sunny

Signature:

Comments / Notes:

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/6/2025 12:18:07 PM
Project: Grassy Valley (17)
Operator Name: J Cranford

Location Name: GVMW-4A **Latitude: 38.73955041241841** **Longitude: -105.11456381207728** **Well Diameter: 4 in** **Total Depth: 480 ft** **Initial Depth to Water: 40.66 ft**	**Estimated Total Volume Pumped: 5.5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.05 gal/min** **Final Draw Down: 0.63 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
36 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	
3/6/2025 12:18 PM	00:00	7.41 pH	4.90 °C	246.60 µS/cm	3.66 mg/L	186.4 mV	40.66 ft	0.05 gal/min
3/6/2025 12:23 PM	05:00	6.58 pH	5.06 °C	284.71 µS/cm	0.98 mg/L	6.8 mV	40.89 ft	0.05 gal/min
3/6/2025 12:28 PM	10:00	6.41 pH	5.42 °C	286.48 µS/cm	0.71 mg/L	4.9 mV	40.98 ft	0.05 gal/min
3/6/2025 12:33 PM	15:00	6.26 pH	5.51 °C	294.28 µS/cm	0.27 mg/L	1.5 mV	41.07 ft	0.05 gal/min
3/6/2025 12:38 PM	20:00	6.24 pH	5.71 °C	299.68 µS/cm	0.19 mg/L	-1.7 mV	41.15 ft	0.05 gal/min
3/6/2025 12:43 PM	25:00	6.23 pH	5.71 °C	306.82 µS/cm	0.13 mg/L	-3.4 mV	41.25 ft	0.05 gal/min
3/6/2025 12:48 PM	30:00	6.19 pH	5.70 °C	310.40 µS/cm	0.14 mg/L	-1.7 mV	41.28 ft	0.05 gal/min
3/6/2025 12:53 PM	35:00	6.22 pH	5.89 °C	309.76 µS/cm	0.09 mg/L	-1.9 mV	41.29 ft	0.05 gal/min
3/6/2025 12:58 PM	40:00	6.19 pH	5.78 °C	309.97 µS/cm	0.10 mg/L	2.6 mV	41.29 ft	0.05 gal/min
3/6/2025 1:03 PM	45:00	6.20 pH	5.88 °C	310.33 µS/cm	0.04 mg/L	4.0 mV	41.29 ft	0.05 gal/min

Samples

Sample ID:	Description:
GVMW-4A	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/5/2025 9:46:05 AM
Project: Grassy Valley (11)
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: 34.75 ft**	**Estimated Total Volume Pumped: 2.8 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.07 gal/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
31 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	
3/5/2025 9:46 AM	00:00	6.94 pH	6.72 °C	406.04 µS/cm	1.14 mg/L	204.6 mV	34.75 ft	0.07 gal/min
3/5/2025 9:51 AM	05:00	7.15 pH	6.12 °C	442.13 µS/cm	0.20 mg/L	64.5 mV	34.79 ft	0.07 gal/min
3/5/2025 9:56 AM	10:00	7.28 pH	5.93 °C	451.37 µS/cm	0.12 mg/L	34.4 mV	34.79 ft	0.07 gal/min
3/5/2025 10:01 AM	15:00	7.29 pH	5.80 °C	461.06 µS/cm	0.09 mg/L	26.1 mV	34.81 ft	0.07 gal/min
3/5/2025 10:06 AM	20:00	7.27 pH	5.99 °C	470.65 µS/cm	0.09 mg/L	21.0 mV	34.81 ft	0.07 gal/min
3/5/2025 10:11 AM	25:00	7.30 pH	5.92 °C	483.14 µS/cm	0.07 mg/L	18.6 mV	34.81 ft	0.07 gal/min
3/5/2025 10:16 AM	30:00	7.27 pH	6.06 °C	496.26 µS/cm	0.06 mg/L	20.1 mV	34.81 ft	0.07 gal/min
3/5/2025 10:21 AM	35:00	7.32 pH	5.94 °C	504.59 µS/cm	0.05 mg/L	17.8 mV	34.81 ft	0.07 gal/min
3/5/2025 10:26 AM	40:00	7.31 pH	6.01 °C	510.28 µS/cm	0.04 mg/L	18.0 mV	34.81 ft	0.07 gal/min

Samples

Sample ID:	Description:
GVMW-7A	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/5/2025 10:46:39 AM
Project: Grassy Valley (12)
Operator Name: J Cranford

Location Name: GVMW-7B **Latitude: 38.74775649517658** **Longitude: -105.12443239810422** **Well Diameter: 4 in** **Total Depth: 50 ft** **Initial Depth to Water: 30.31 ft**	**Estimated Total Volume Pumped: 7.5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.11 gal/min** **Final Draw Down: 1.22 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
34 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	
3/5/2025 10:46 AM	00:00	6.87 pH	6.32 °C	943.94 µS/cm	7.86 mg/L	69.3 mV	30.31 ft	0.11 gal/min
3/5/2025 10:51 AM	05:00	6.74 pH	6.86 °C	704.94 µS/cm	7.96 mg/L	98.4 mV	30.70 ft	0.11 gal/min
3/5/2025 10:56 AM	10:00	6.64 pH	6.80 °C	563.37 µS/cm	7.41 mg/L	110.3 mV	31.05 ft	0.11 gal/min
3/5/2025 11:01 AM	15:00	6.40 pH	6.73 °C	439.63 µS/cm	6.95 mg/L	121.2 mV	31.22 ft	0.11 gal/min
3/5/2025 11:06 AM	20:00	6.31 pH	6.76 °C	406.67 µS/cm	6.76 mg/L	128.1 mV	31.38 ft	0.11 gal/min
3/5/2025 11:11 AM	25:00	6.29 pH	6.77 °C	387.29 µS/cm	6.70 mg/L	133.7 mV	31.49 ft	0.11 gal/min
3/5/2025 11:16 AM	30:00	6.27 pH	6.91 °C	388.67 µS/cm	6.68 mg/L	138.4 mV	31.53 ft	0.11 gal/min
3/5/2025 11:21 AM	35:00	6.29 pH	6.85 °C	380.24 µS/cm	6.64 mg/L	141.0 mV	31.53 ft	0.11 gal/min
3/5/2025 11:24 AM	37:42	6.38 pH	7.46 °C	380.76 µS/cm	6.47 mg/L	135.3 mV	31.53 ft	0.11 gal/min

Samples

Sample ID:	Description:
GVMW-7B	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/11/2025 10:48:30 AM
Project: Grassy Valley (19)
Operator Name: J Cranford

Location Name: GVMW-8A **Latitude: 38.74134705034683** **Longitude: -105.12019080381083** **Well Diameter: 4 in** **Total Depth: 250 ft** **Initial Depth to Water: 132.95 ft**	**Estimated Total Volume Pumped: 6 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.11 gal/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
35 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	
3/11/2025 10:48 AM	00:00	6.50 pH	7.77 °C	370.21 µS/cm	2.15 mg/L	208.6 mV	132.95 ft	0.11 gal/min
3/11/2025 10:53 AM	05:00	6.49 pH	7.44 °C	379.24 µS/cm	2.70 mg/L	207.0 mV	132.99 ft	0.11 gal/min
3/11/2025 10:58 AM	10:00	6.47 pH	7.52 °C	380.39 µS/cm	3.07 mg/L	204.2 mV	132.99 ft	0.11 gal/min
3/11/2025 11:03 AM	15:00	6.48 pH	7.55 °C	379.95 µS/cm	3.14 mg/L	201.1 mV	133.03 ft	0.11 gal/min
3/11/2025 11:08 AM	20:00	6.48 pH	7.84 °C	379.28 µS/cm	3.18 mg/L	200.1 mV	133.03 ft	0.11 gal/min
3/11/2025 11:13 AM	25:00	6.47 pH	8.21 °C	377.50 µS/cm	3.18 mg/L	199.6 mV	133.04 ft	0.11 gal/min
3/11/2025 11:18 AM	30:00	6.54 pH	8.44 °C	373.56 µS/cm	3.16 mg/L	194.7 mV	133.05 ft	0.11 gal/min
3/11/2025 11:23 AM	35:00	6.57 pH	8.50 °C	372.27 µS/cm	3.11 mg/L	192.7 mV	133.05 ft	0.11 gal/min
3/11/2025 11:28 AM	40:00	6.55 pH	8.64 °C	370.09 µS/cm	3.05 mg/L	192.7 mV	133.05 ft	0.11 gal/min

Samples

Sample ID:	Description:
GVMW-8A	
GVMW-108F	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/11/2025 10:05:29 AM
Project: Grassy Valley (18)
Operator Name: J Cranford

Location Name: GVMW-8B **Latitude: 38.74132405504467** **Longitude: -105.12026910679892** **Well Diameter: 4 in** **Total Depth: 50 ft** **Initial Depth to Water: 43.88 ft**	**Estimated Total Volume Pumped: 3 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.08 gal/min** **Final Draw Down: 0.83 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
32 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	
3/11/2025 10:05 AM	00:00	6.21 pH	7.26 °C	429.59 µS/cm	7.50 mg/L	154.4 mV	43.88 ft	0.08 gal/min
3/11/2025 10:10 AM	05:00	6.31 pH	8.01 °C	427.89 µS/cm	7.57 mg/L	185.0 mV	44.55 ft	0.08 gal/min
3/11/2025 10:15 AM	10:00	6.38 pH	9.59 °C	427.58 µS/cm	7.54 mg/L	191.9 mV	44.58 ft	0.08 gal/min
3/11/2025 10:20 AM	15:00	6.39 pH	10.13 °C	423.73 µS/cm	7.51 mg/L	195.5 mV	44.69 ft	0.08 gal/min
3/11/2025 10:25 AM	20:00	6.36 pH	10.37 °C	422.34 µS/cm	7.33 mg/L	198.7 mV	44.71 ft	0.08 gal/min
3/11/2025 10:30 AM	25:00	6.39 pH	10.08 °C	420.84 µS/cm	7.24 mg/L	198.8 mV	44.71 ft	0.08 gal/min

Samples

Sample ID:	Description:
GVMW-8B	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/18/25
Technician: J. Crawford
Quarter: 1
Static Water Level (DTW): 232.20
Well ID: GVMW-10
Is well Dry? no
If so Dry at: —
Well Depth (TD): 270 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:30			6.75	4222	4.7	0.60	269.8	
9:35	232.24	0.04	6.81	4323	5.1	0.34	249.3	
9:40	232.24	0.00	6.77	4053	5.5	0.27	211.5	0.11 gpm
9:45	232.25	0.01	6.75	4161	6.6	0.24	195.4	
9:50	232.26	0.01	6.75	4189	7.7	0.27	166.1	
9:55	232.26	0.00	6.72	3955	9.3	0.51	154.3	
10:00	232.26	0.00	6.71	3996	9.8	0.76	148.2	
10:05	232.27	0.01	6.71	4056	10.0	1.13	144.3	
10:10	232.27	0.00	6.71	3967	9.9	1.48	142.0	
10:15	232.27	0.00	6.69	4240	9.4	1.75	140.6	
10:20	232.27	0.00	6.71	4054	10.0	1.95	138.6	
10:25	232.27	0.00	6.71	4260	10.1	1.98	136.5	
10:30	232.27	0.00	6.71	4251	10.1	2.00	134.8	
	Total draw down							
	0.07							

Sample Method: low-flow Rate (gpm): 0.11 Time Start: 9:30 Time End: 10:30
* Flow rate at stabilization (during sample collection)

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.71	±0.1	(Y) / N	
Conductivity	4251	3%	(Y) / N	
Temp (deg C)	10.1	3%	(Y) / N	
Dissolved Oxygen	2.00	10%	(Y) / N	
Turbidity	~~—~~	~~10%~~	~~Y / N~~	
Oxidation/Reduction	134.8	±10	(Y) / N	
DTW Stabilized	232.27	feet	(Y) / N	
Final H2O level	232.27	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) ~8

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse Alconox

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:

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/10/2025 10:38:32 AM
Project: Grassy Valley (9)
Operator Name: Treed

Location Name: GVMW-15a **Latitude: 38.74936517465849** **Longitude: -105.13566073083136** **Well Diameter: 4 in** **Total Depth: 382 ft** **Initial Depth to Water: 92.61 ft**	**Estimated Total Volume Pumped: 5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.09 gal/min** **Final Draw Down: 1.29 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gal bucket

Weather Conditions:
41 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	
3/10/2025 10:38 AM	00:00	6.11 pH	7.22 °C	422.61 µS/cm	2.79 mg/L	-5.3 mV	92.61 ft	0.09 gal/min
3/10/2025 10:43 AM	05:00	5.94 pH	6.06 °C	438.01 µS/cm	1.13 mg/L	-11.3 mV	93.63 ft	0.09 gal/min
3/10/2025 10:48 AM	10:00	5.83 pH	6.12 °C	438.73 µS/cm	1.01 mg/L	1.3 mV	92.61 ft	0.09 gal/min
3/10/2025 10:53 AM	15:00	5.79 pH	6.70 °C	437.45 µS/cm	0.97 mg/L	10.2 mV	93.69 ft	0.09 gal/min
3/10/2025 10:58 AM	20:00	5.76 pH	7.14 °C	434.19 µS/cm	0.80 mg/L	15.1 mV	93.70 ft	0.09 gal/min
3/10/2025 11:03 AM	25:00	5.76 pH	7.12 °C	434.34 µS/cm	0.77 mg/L	17.5 mV	93.87 ft	0.09 gal/min
3/10/2025 11:08 AM	30:00	5.73 pH	7.27 °C	435.57 µS/cm	0.72 mg/L	20.8 mV	93.90 ft	0.09 gal/min
3/10/2025 11:13 AM	35:00	5.71 pH	7.13 °C	434.22 µS/cm	0.69 mg/L	23.0 mV	93.90 ft	0.09 gal/min
3/10/2025 11:18 AM	40:00	5.69 pH	7.29 °C	434.83 µS/cm	0.65 mg/L	24.4 mV	93.90 ft	0.09 gal/min
3/10/2025 11:23 AM	45:00	5.70 pH	7.23 °C	435.54 µS/cm	0.64 mg/L	24.5 mV	93.90 ft	0.09 gal/min

Samples

Sample ID:	Description:
Gvmw-15a	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/10/2025 11:32:26 AM
Project: Grassy Valley (10)
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: 80.15 ft**	**Estimated Total Volume Pumped: 5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.07 gal/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
36 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	
3/10/2025 11:32 AM	00:00	4.35 pH	5.75 °C	526.32 µS/cm	3.27 mg/L	55.2 mV	80.15 ft	0.07 gal/min
3/10/2025 11:37 AM	05:00	4.10 pH	6.02 °C	524.81 µS/cm	1.96 mg/L	85.5 mV	80.22 ft	0.07 gal/min
3/10/2025 11:42 AM	10:00	4.10 pH	6.47 °C	523.64 µS/cm	2.12 mg/L	88.6 mV	80.22 ft	0.07 gal/min
3/10/2025 11:47 AM	15:00	4.03 pH	6.34 °C	522.67 µS/cm	1.99 mg/L	99.5 mV	80.22 ft	0.07 gal/min
3/10/2025 11:52 AM	20:00	4.05 pH	6.56 °C	524.52 µS/cm	1.65 mg/L	105.2 mV	80.22 ft	0.07 gal/min
3/10/2025 11:57 AM	25:00	4.08 pH	6.99 °C	523.41 µS/cm	1.55 mg/L	105.2 mV	80.23 ft	0.07 gal/min
3/10/2025 12:02 PM	30:00	4.06 pH	6.91 °C	522.59 µS/cm	1.41 mg/L	108.5 mV	80.23 ft	0.07 gal/min
3/10/2025 12:07 PM	35:00	4.06 pH	6.92 °C	520.11 µS/cm	1.19 mg/L	110.7 mV	80.23 ft	0.07 gal/min
3/10/2025 12:12 PM	40:00	4.12 pH	7.19 °C	521.95 µS/cm	1.17 mg/L	109.6 mV	80.25 ft	0.07 gal/min
3/10/2025 12:17 PM	45:00	4.10 pH	7.12 °C	515.43 µS/cm	1.04 mg/L	112.6 mV	80.25 ft	0.07 gal/min
3/10/2025 12:22 PM	50:00	4.08 pH	7.24 °C	519.67 µS/cm	0.99 mg/L	116.7 mV	80.25 ft	0.07 gal/min
3/10/2025 12:27 PM	55:00	4.10 pH	7.23 °C	522.45 µS/cm	0.85 mg/L	118.5 mV	80.25 ft	0.07 gal/min
3/10/2025 12:32 PM	01:00:00	4.12 pH	7.39 °C	515.36 µS/cm	0.81 mg/L	119.0 mV	80.27 ft	0.07 gal/min
3/10/2025 12:37 PM	01:05:00	4.10 pH	7.41 °C	515.48 µS/cm	0.75 mg/L	121.2 mV	80.27 ft	0.07 gal/min
3/10/2025 12:42 PM	01:10:00	4.19 pH	7.12 °C	517.83 µS/cm	0.65 mg/L	116.7 mV	80.27 ft	0.07 gal/min

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3/10/2025 12:47 PM	01:15:00	4.24 pH	7.52 °C	514.86 µS/cm	0.61 mg/L	112.6 mV	80.27 ft	0.07 gal/min
3/10/2025 12:52 PM	01:20:00	4.22 pH	6.72 °C	522.03 µS/cm	0.43 mg/L	114.7 mV	80.27 ft	0.07 gal/min
3/10/2025 12:57 PM	01:25:00	4.12 pH	7.05 °C	522.06 µS/cm	0.33 mg/L	119.4 mV	80.27 ft	0.07 gal/min
3/10/2025 1:02 PM	01:30:00	4.25 pH	7.52 °C	527.71 µS/cm	0.20 mg/L	112.7 mV	80.27 ft	0.07 gal/min
3/10/2025 1:07 PM	01:35:00	4.29 pH	7.73 °C	529.96 µS/cm	0.18 mg/L	111.4 mV	80.27 ft	0.07 gal/min
3/10/2025 1:12 PM	01:40:00	4.33 pH	7.56 °C	532.44 µS/cm	0.17 mg/L	110.9 mV	80.27 ft	0.07 gal/min

Samples

Sample ID:	Description:
GVMW-15B	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Date: 3/10/25
Technician: J. Crawford
Quarter: 1
Static Water Level (DTW):
Well ID: GMW-15C
Is well Dry? Yes
If so Dry at: N/A
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

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

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

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

O/G visible: Y / N
Turbid? Y / N
Equipment Decontaminated: Y / N
Decontamination procedure used: Triple rinse, Alconox

Weather: 41° 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:
GMW-15C is Dry

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/5/2025 12:13:21 PM
Project: Grassy Valley (14)
Operator Name: J Cranford

Location Name: GVMW-22A **Latitude: 38.74077900829011** **Longitude: -105.11106980100577** **Well Diameter: 4 in** **Total Depth: 70 ft** **Initial Depth to Water: 3.74 ft**	**Estimated Total Volume Pumped: 5.75 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.09 gal/min** **Final Draw Down: 1.46 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
41 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	
3/5/2025 12:13 PM	00:00	7.28 pH	5.89 °C	464.13 µS/cm	2.16 mg/L	146.4 mV	3.74 ft	0.09 gal/min
3/5/2025 12:18 PM	05:00	7.49 pH	5.87 °C	465.02 µS/cm	1.01 mg/L	142.8 mV	4.35 ft	0.09 gal/min
3/5/2025 12:23 PM	10:00	7.60 pH	6.06 °C	463.20 µS/cm	0.97 mg/L	137.1 mV	4.49 ft	0.09 gal/min
3/5/2025 12:28 PM	15:00	7.61 pH	6.46 °C	461.65 µS/cm	0.94 mg/L	136.1 mV	4.90 ft	0.09 gal/min
3/5/2025 12:33 PM	20:00	7.63 pH	6.52 °C	460.86 µS/cm	0.95 mg/L	134.7 mV	5.02 ft	0.09 gal/min
3/5/2025 12:38 PM	25:00	7.69 pH	6.87 °C	460.40 µS/cm	0.91 mg/L	130.6 mV	5.14 ft	0.09 gal/min
3/5/2025 12:43 PM	30:00	7.65 pH	6.09 °C	463.92 µS/cm	0.86 mg/L	133.2 mV	5.18 ft	0.09 gal/min
3/5/2025 12:48 PM	35:00	7.67 pH	6.12 °C	461.85 µS/cm	0.85 mg/L	132.0 mV	5.20 ft	0.09 gal/min
3/5/2025 12:53 PM	40:00	7.69 pH	6.06 °C	463.56 µS/cm	0.80 mg/L	131.1 mV	5.20 ft	0.09 gal/min

Samples

Sample ID:	Description:
GVMW-22A	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/5/2025 11:44:34 AM
Project: Grassy Valley (13)
Operator Name: J Cranford

Location Name: GVMW-22B **Latitude: 38.7408135937789** **Longitude: -105.11097535510399** **Well Diameter: 4 in** **Total Depth: 30 ft** **Initial Depth to Water: 4.51 ft**	**Estimated Total Volume Pumped: 0.75 gal** **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**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
41 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	
3/5/2025 11:44 AM	00:00	6.51 pH	6.28 °C	493.24 µS/cm	1.14 mg/L	141.7 mV	4.51 ft	0.05 gal/min
3/5/2025 11:49 AM	05:00	6.52 pH	6.34 °C	494.28 µS/cm	0.57 mg/L	143.3 mV	4.57 ft	0.05 gal/min
3/5/2025 11:54 AM	10:00	6.51 pH	6.38 °C	492.94 µS/cm	0.53 mg/L	144.8 mV	4.59 ft	0.05 gal/min
3/5/2025 11:59 AM	15:00	6.54 pH	6.36 °C	492.34 µS/cm	0.52 mg/L	143.9 mV	4.59 ft	0.05 gal/min

Samples

Sample ID:	Description:
GVMW-22B	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Greasy Valley
Date: 3/3/15
Technician: J. Comfort
Quarter: 1
Static Water Level (DTW): 232.66
Well ID: GMW-74A
Well Depth (TD): 250
Is well Dry? no
If so Dry at: — feet

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

Weather: 38° 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:
Extreme silt in water, not able to pump.

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: J. Crawford
Static Water Level (DTW): 97.09
Is well Dry? no
If so Dry at: —

Date: 3/3/25
Quarter: 1
Well ID: GVMW-24B
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 to Sample					

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

Final Parameter	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
Actual vol. pumped (gal): —
* See Field Volume Guide

O/G visible: ~~Y~~ / N
Turbid? ~~Y / N~~
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse Alconox

Weather: 38° 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-24B doesn't have enough water to Pump through the tubing.

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

SSR Mining
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: J. Crawford
Static Water Level (DTW): 61.52
Is well Dry? no
If so Dry at: —
Date: 3/17/25
Quarter: 1
Well ID: GVMW-25
Well Depth (TD): 79 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:27			3.71	5845	6.3	0.64	495.2	
9:32	61.61	0.09	3.69	5464	6.8	0.28	503.0	
9:37	61.63	0.02	3.69	5401	6.9	0.24	508.3	0.14 gpm
9:42	61.64	0.01	3.68	5316	7.0	0.42	508.9	
9:47	61.65	0.00	3.69	5279	7.01	0.43	508.7	
9:52	61.65	0.00	3.68	5265	7.2	0.45	508.9	
	Total drawdown							
		0.13						

Sample Method: low-flow
Rate (gpm): 0.14 * Flow rate at stabilization (during sample collection)
Time Start: 9:27 Time End: 9:52

Final Parameter	Stabilization Guidance		Met?	Comments
pH	3.68	±0.1	(Y) / N	
Conductivity	5265	3%	(Y) / N	
Temp (deg C)	7.2	3%	(Y) / N	
Dissolved Oxygen	0.45	10%	(Y) / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction Potential	508.9	±10	(Y) / N	
DTW Stabilized	61.65	feet	(Y) / N	
Final H2O level	61.65	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) ~3.25

O/G visible: Y / N
Turbid? Y / N
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse, Alconox

Weather: 39°F, Partly Cloudy
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:

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/3/2025 9:01:51 AM
Project: Grassy Valley (9)
Operator Name: J Cranford

Location Name: GVMW-26A **Latitude: 38.739483933587884** **Longitude: -105.11094816582072** **Well Diameter: 4 in** **Total Depth: 70 ft**	**Estimated Total Volume Pumped: 2.25 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.07 gal/min** **Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket Water

Weather Conditions:
38 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	
3/3/2025 9:01 AM	00:00	6.66 pH	5.93 °C	324.96 µS/cm	2.19 mg/L	278.4 mV	6.65 ft	0.07 gal/min
3/3/2025 9:02 AM	00:28	6.73 pH	5.85 °C	328.38 µS/cm	1.77 mg/L	274.7 mV	6.65 ft	0.07 gal/min
3/3/2025 9:07 AM	05:28	7.10 pH	5.36 °C	352.57 µS/cm	0.37 mg/L	269.9 mV	6.80 ft	0.07 gal/min
3/3/2025 9:12 AM	10:28	7.34 pH	5.34 °C	353.29 µS/cm	0.28 mg/L	260.0 mV	6.83 ft	0.07 gal/min
3/3/2025 9:17 AM	15:28	7.38 pH	5.27 °C	353.21 µS/cm	0.22 mg/L	257.7 mV	6.85 ft	0.07 gal/min
3/3/2025 9:22 AM	20:28	7.46 pH	5.19 °C	352.77 µS/cm	0.17 mg/L	252.3 mV	6.85 ft	0.07 gal/min
3/3/2025 9:27 AM	25:28	7.42 pH	5.13 °C	353.97 µS/cm	0.12 mg/L	253.0 mV	6.85 ft	0.07 gal/min

Samples

Sample ID:	Description:
GVMW-26A	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/3/2025 9:42:32 AM
Project: Grassy Valley (10)
Operator Name: J Cranford

Location Name: GVMW-26B **Latitude: 38.7395417604563** **Longitude: -105.11101845890694** **Well Diameter: 4 in** **Total Depth: 25 ft** **Initial Depth to Water: 6.25 ft**	**Estimated Total Volume Pumped: 4 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.1 gal/min** **Final Draw Down: 0.14 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
40 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	
3/3/2025 9:42 AM	00:00	6.84 pH	5.39 °C	139.50 µS/cm	6.37 mg/L	242.3 mV	6.25 ft	0.10 gal/min
3/3/2025 9:47 AM	05:00	6.65 pH	5.57 °C	138.69 µS/cm	6.71 mg/L	235.4 mV	6.34 ft	0.10 gal/min
3/3/2025 9:52 AM	10:00	6.87 pH	8.50 °C	0.00 µS/cm	7.89 mg/L	239.6 mV	6.35 ft	0.10 gal/min
3/3/2025 9:57 AM	15:00	6.96 pH	10.62 °C	0.00 µS/cm	7.63 mg/L	235.9 mV	6.36 ft	0.10 gal/min
3/3/2025 10:02 AM	20:00	6.25 pH	5.52 °C	137.77 µS/cm	7.15 mg/L	247.4 mV	6.38 ft	0.10 gal/min
3/3/2025 10:07 AM	25:00	6.20 pH	5.28 °C	138.35 µS/cm	6.94 mg/L	246.2 mV	6.38 ft	0.10 gal/min
3/3/2025 10:12 AM	30:00	6.18 pH	5.31 °C	138.81 µS/cm	6.88 mg/L	246.5 mV	6.39 ft	0.10 gal/min
3/3/2025 10:17 AM	35:00	6.19 pH	5.24 °C	139.32 µS/cm	6.89 mg/L	245.7 mV	6.39 ft	0.10 gal/min

Samples

Sample ID:	Description:
GVMW-26B	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

SSR Mining
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/17/25
Technician: J. Cranford
Quarter: 1
Static Water Level (DTW): 58.18
Well ID: GVMW-27
Is well Dry? no
If so Dry at: —
Well Depth (TD): 74.28 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:25			4.09	4718	6.2	1.26	371.5	
10:30	58.29	0.11	4.09	4735	6.7	0.75	371.6	
10:35	58.31	0.02	4.06	4691	7.1	0.67	375.2	0.09 gpm
10:40	58.35	0.04	4.06	4655	7.0	0.69	381.9	
10:45	58.37	0.02	4.04	4620	7.1	0.79	384.0	
10:50	58.40	0.03	4.03	4544	7.4	0.98	387.1	
10:55	58.46	0.06	4.04	4416	7.6	1.22	384.8	
11:00	58.42	0.02	4.06	4244	7.5	1.47	378.6	
11:05	58.45	0.03	4.10	3547	7.5	2.02	374.5	
11:10	58.47	0.02	4.14	3266	7.2	2.38	378.9	
11:15	58.47	0.00	4.15	3173	7.2	2.51	376.7	
11:20	58.48	0.01	4.17	3100	7.2	2.68	370.7	
11:25	58.48	0.00	4.18	2903	7.3	2.78	365.8	
11:30	58.48	0.00	4.19	2991	7.3	2.86	366.4	
11:35	58.48	0.00	4.20	2967	7.3	2.92	367.2	
	Total	Drawdown: 0.30						

Sample Method: low-flow
Rate (gpm): 0.09 * Flow rate at stabilization (during sample collection)
Time Start: 10:25 Time End: 11:35

Final Parameters	Stabilization Guidance		Met?	Comments
pH	4.20	±0.1	(Y) / N	
Conductivity	2967	3%	(Y) / N	
Temp (deg C)	7.3	3%	(Y) / N	
Dissolved Oxygen	2.92	10%	(Y) / N	
Turbidity		10%	Y / N	
Oxidation/Reduction Potential	367.2	±10	(Y) / N	
DTW Stabilized	58.48	feet	(Y) / N	
Final H2O level	58.48	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) ~6.5

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: TriPPR rinse, Alconox

Weather: 41°, Partly cloudy
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:

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

SSR Mining
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Date: 3/18/25
Technician: S. Crawford
Quarter: 1
Static Water Level (DTW): 35.75
Well ID: Gmw-28
Is well Dry? No
If so Dry at: —
Well Depth (TD): 71.56 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:20			2.73	16390	5.5	2.58	569.6	
11:25	36.15	0.4	2.75	16522	6.1	1.95	560.2	
11:30	36.30	0.15	2.74	16311	6.1	2.12	567.2	0.09 gpm
11:35	36.55	0.25	2.75	16423	6.0	2.38	570.8	
11:40	36.59	0.01	2.76	16372	5.9	2.53	570.9	
11:45	36.60	0.00	2.77	16319	6.0	2.57	565.8	
11:50	36.60	0.00	2.76	16371	6.0	2.56	571.9	
		Total drawdown						
		0.85						

Sample Method: low-flow **Rate (gpm):** 0.09 **Time Start:** 11:20 **Time End:** 11:50
** Flow rate at stabilization (during sample collection)*

Final Parameters	Stabilization Guidance		Met?	Comments
pH	2.76	±0.1	Y / N	
Conductivity	16371	3%	Y / N	
Temp (deg C)	6.0	3%	Y / N	
Dissolved Oxygen	2.56	10%	Y / N	
Turbidity	~~—~~	~~10%~~	~~Y / N~~	
Oxidation/Reduction Potential	571.9	±10	Y / N	
DTW Stabilized	36.60	feet	Y / N	
Final H2O level	36.60	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: 1.81 Actual vol. pumped (gal) ~4.5

O/G visible: Y / N
Turbid? Y / N
Equipment Decontaminated: Y / N
Decontamination procedure used: Triple rinse, Alconox

Weather: 37° 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:
0.85 + 0.41 + 0.55 = 1.81

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: J. Cranford
Static Water Level (DTW):
Is well Dry? Yes
If so Dry at: 38.38
Date: 3/19/25
Quarter: 1
Well ID: GVMW-29
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

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

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

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

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

Show Calculations:
GVMW-29 is dry

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/19/25
Technician: J. Crawford
Quarter: 1
Static Water Level (DTW):
Well ID: GVMW-30
Is well Dry? Yes
If so Dry at: 51.2a
Well Depth (TD): 51.2a 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): * Flow rate at stabilization (during sample collection)
Time Start:
Time End:

Final Parameter	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: N/A

Weather: 38° 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 .3 dry

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/19/25
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 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
* See Field Volume Guide
If yes, required pump vol (gal): —
following stabilization
Actual vol. pumped (gal) —

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

Weather: 38°, Cloudy
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-31 is dry

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Goose Valley
Technician: ~~DA~~ J. Crawford
Static Water Level (DTW): 66.96
Is well Dry? NO
If so Dry at: —

Date: 3/19/23
Quarter: 1
Well ID: GVMW-32
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 / 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 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: Triple rinse, Alconox

Weather: 38° 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: Not enough water in well for pump to pump any water out.

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

SSR Mining
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Date: 3/19/25 - 3/20/25
Technician: J. Cranford
Quarter: 1
Static Water Level (DTW): 65.69
Well ID: GVMW-33
Is well Dry? no
If so Dry at: —
Well Depth (TD): 85.73 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:33			3.48	4415	4.8		154.6	
11:43	73.78							
11:01	65.78		3.76	7446	5.4		71.6	

Sample Method: Purge + return **Rate (gpm):** — **Time Start:** 3/19/25 11:33 **Time End:** 3/20/25 11:01
** 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 Potential		±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: Tripple rinse, Alconox

Weather: 38°, Cloudy
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:

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

SSR Mining
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/19/25 - 3/20/25
Technician: J. Cranford
Quarter: 1
Static Water Level (DTW): 62.85
Well ID: CVMW-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
12:01			5.72	4140	4.9		260.5	
12:24	76.91							
11:20	62.84		5.98	6674	5.3		256.8	

Sample Method: Purge & return
Rate (gpm): — * Flow rate at stabilization (during sample collection)
Time Start: 3/19/25 12:01
Time End: 3/20/25 11:24

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 Potential		±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 Alconox

Weather: 38°, Cloudy
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:

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: J. Crawford
Static Water Level (DTW): N/a
Is well Dry? no
If so Dry at: ____ feet

Date: 3/19/25
Quarter: 1
Well ID: GVMW-35A
Well Depth (TD): 340

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

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: Dedicated Pump

Weather: 38° Cloudy
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:** Dedicated Pump is frozen.

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: J. Cranford
Static Water Level (DTW): 34.95
Is well Dry? no
If so Dry at: ~ feet

Date: 3/19/25 - 3/20/25
Quarter: 1
Well ID: Gumw-35B
Well Depth (TD): 72.00

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:22			7.67	3018	4.8		267.0	
12:42	76.19							
11:32	35.15		7.37	3961	4.8		254	

Sample Method: Purge & Return Rate (gpm): ~ * Flow rate at stabilization (during sample collection)
Time Start: 3/19/25 12:22 Time End: 3/20/25 11:32

Final Parameter	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: Triple rinse, Alconox

Weather: 38°, Cloudy
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:

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/19/25 - 3/20/25
Technician: J. Crawford
Quarter: 1
Static Water Level (DTW): 20.23
Well ID: GVMW-36
Is well Dry? no
If so Dry at: ____ feet
Well Depth (TD): 37.97

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:55			3.18	7129	5.2		537	
1:05	35.12							
11:45	30.32							

Sample Method: Purge + Return Rate (gpm): ____ * Flow rate at stabilization (during sample collection)
Time Start: 3/19/25 1:55 Time End: 3/20/25 11:45

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

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse, Alconox

Weather: 35°, Cloudy
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:
Sample not taken, As 90% of Purge did not come back,

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/6/2025 10:20:27 AM
Project: Grassy Valley (16)
Operator Name: J Cranford

Location Name: GVMW-37A **Latitude: 38.740167270487156** **Longitude: -105.11801915194704** **Well Diameter: 4 in** **Total Depth: 201.2 ft** **Initial Depth to Water: 43.16 ft**	**Estimated Total Volume Pumped: 1.75 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.06 gal/min** **Final Draw Down: 0.66 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
37 F Cloudy

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	
3/6/2025 10:20 AM	00:00	8.54 pH	5.70 °C	642.60 µS/cm	0.82 mg/L	159.9 mV	43.16 ft	0.06 gal/min
3/6/2025 10:25 AM	05:00	8.64 pH	5.82 °C	640.08 µS/cm	0.21 mg/L	158.7 mV	43.78 ft	0.06 gal/min
3/6/2025 10:30 AM	10:00	8.66 pH	5.91 °C	638.93 µS/cm	0.15 mg/L	158.0 mV	43.80 ft	0.06 gal/min
3/6/2025 10:35 AM	15:00	8.71 pH	5.89 °C	640.11 µS/cm	0.13 mg/L	155.8 mV	43.82 ft	0.06 gal/min
3/6/2025 10:40 AM	20:00	8.69 pH	5.98 °C	642.35 µS/cm	0.12 mg/L	157.2 mV	43.82 ft	0.06 gal/min

Samples

Sample ID:	Description:
GVMW-37A	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/6/2025 8:43:28 AM
Project: Grassy Valley (15)
Operator Name: J Cranford

Location Name: GVMW-37B **Latitude: 38.74016101482015** **Longitude: -105.11806058947059** **Well Diameter: 4 in** **Total Depth: 74.89 ft** **Initial Depth to Water: 41.82 ft**	**Estimated Total Volume Pumped: 5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.09 gal/min** **Final Draw Down: 0.21 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
33 F Cloudy

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	
3/6/2025 8:43 AM	00:00	7.17 pH	5.71 °C	555.41 µS/cm	2.91 mg/L	224.4 mV	41.82 ft	0.09 gal/min
3/6/2025 8:48 AM	05:00	7.33 pH	5.97 °C	555.52 µS/cm	2.42 mg/L	209.1 mV	41.95 ft	0.09 gal/min
3/6/2025 8:53 AM	10:00	7.37 pH	5.97 °C	554.80 µS/cm	2.35 mg/L	202.8 mV	41.95 ft	0.09 gal/min
3/6/2025 8:58 AM	15:00	7.52 pH	6.12 °C	535.05 µS/cm	2.39 mg/L	190.1 mV	41.96 ft	0.09 gal/min
3/6/2025 9:03 AM	20:00	7.62 pH	6.03 °C	528.29 µS/cm	2.42 mg/L	182.4 mV	41.96 ft	0.09 gal/min
3/6/2025 9:08 AM	25:00	7.78 pH	6.10 °C	524.83 µS/cm	2.39 mg/L	171.5 mV	41.98 ft	0.09 gal/min
3/6/2025 9:13 AM	30:00	7.77 pH	6.05 °C	517.73 µS/cm	2.37 mg/L	164.4 mV	41.99 ft	0.09 gal/min
3/6/2025 9:18 AM	35:00	7.71 pH	5.98 °C	517.36 µS/cm	2.37 mg/L	150.1 mV	42.02 ft	0.09 gal/min
3/6/2025 9:23 AM	40:00	7.61 pH	6.00 °C	511.21 µS/cm	2.36 mg/L	132.8 mV	42.02 ft	0.09 gal/min
3/6/2025 9:28 AM	45:00	7.43 pH	5.83 °C	506.30 µS/cm	2.43 mg/L	125.6 mV	42.03 ft	0.09 gal/min
3/6/2025 9:33 AM	50:00	7.49 pH	5.85 °C	500.60 µS/cm	2.43 mg/L	105.0 mV	42.03 ft	0.09 gal/min
3/6/2025 9:38 AM	55:00	7.61 pH	5.88 °C	493.70 µS/cm	2.38 mg/L	88.2 mV	42.03 ft	0.09 gal/min
3/6/2025 9:43 AM	01:00:00	7.54 pH	6.05 °C	551.71 µS/cm	2.25 mg/L	83.5 mV	42.03 ft	0.09 gal/min
3/6/2025 9:48 AM	01:05:00	7.50 pH	5.99 °C	554.81 µS/cm	2.23 mg/L	87.6 mV	42.03 ft	0.09 gal/min
3/6/2025 9:53 AM	01:10:00	7.49 pH	5.94 °C	552.79 µS/cm	2.23 mg/L	87.3 mV	42.03 ft	0.09 gal/min

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Samples

Sample ID:	Description:
GVMW-37A	
GVMW-137F	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/11/2025 10:48:30 AM
Project: Grassy Valley (19)
Operator Name: J Cranford

Location Name: GVMW-8A **Latitude: 38.74134705034683** **Longitude: -105.12019080381083** **Well Diameter: 4 in** **Total Depth: 250 ft** **Initial Depth to Water: 132.95 ft**	**Estimated Total Volume Pumped: 6 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.11 gal/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
35 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	
3/11/2025 10:48 AM	00:00	6.50 pH	7.77 °C	370.21 µS/cm	2.15 mg/L	208.6 mV	132.95 ft	0.11 gal/min
3/11/2025 10:53 AM	05:00	6.49 pH	7.44 °C	379.24 µS/cm	2.70 mg/L	207.0 mV	132.99 ft	0.11 gal/min
3/11/2025 10:58 AM	10:00	6.47 pH	7.52 °C	380.39 µS/cm	3.07 mg/L	204.2 mV	132.99 ft	0.11 gal/min
3/11/2025 11:03 AM	15:00	6.48 pH	7.55 °C	379.95 µS/cm	3.14 mg/L	201.1 mV	133.03 ft	0.11 gal/min
3/11/2025 11:08 AM	20:00	6.48 pH	7.84 °C	379.28 µS/cm	3.18 mg/L	200.1 mV	133.03 ft	0.11 gal/min
3/11/2025 11:13 AM	25:00	6.47 pH	8.21 °C	377.50 µS/cm	3.18 mg/L	199.6 mV	133.04 ft	0.11 gal/min
3/11/2025 11:18 AM	30:00	6.54 pH	8.44 °C	373.56 µS/cm	3.16 mg/L	194.7 mV	133.05 ft	0.11 gal/min
3/11/2025 11:23 AM	35:00	6.57 pH	8.50 °C	372.27 µS/cm	3.11 mg/L	192.7 mV	133.05 ft	0.11 gal/min
3/11/2025 11:28 AM	40:00	6.55 pH	8.64 °C	370.09 µS/cm	3.05 mg/L	192.7 mV	133.05 ft	0.11 gal/min

Samples

Sample ID:	Description:
GVMW-8A	
GVMW-108F	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Created using VuSitu from In-Situ, Inc.

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/6/2025 8:43:28 AM
Project: Grassy Valley (15)
Operator Name: J Cranford

Location Name: GVMW-37B **Latitude: 38.74016101482015** **Longitude: -105.11806058947059** **Well Diameter: 4 in** **Total Depth: 74.89 ft** **Initial Depth to Water: 41.82 ft**	**Estimated Total Volume Pumped: 5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.09 gal/min** **Final Draw Down: 0.21 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket

Weather Conditions:
33 F Cloudy

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	
3/6/2025 8:43 AM	00:00	7.17 pH	5.71 °C	555.41 µS/cm	2.91 mg/L	224.4 mV	41.82 ft	0.09 gal/min
3/6/2025 8:48 AM	05:00	7.33 pH	5.97 °C	555.52 µS/cm	2.42 mg/L	209.1 mV	41.95 ft	0.09 gal/min
3/6/2025 8:53 AM	10:00	7.37 pH	5.97 °C	554.80 µS/cm	2.35 mg/L	202.8 mV	41.95 ft	0.09 gal/min
3/6/2025 8:58 AM	15:00	7.52 pH	6.12 °C	535.05 µS/cm	2.39 mg/L	190.1 mV	41.96 ft	0.09 gal/min
3/6/2025 9:03 AM	20:00	7.62 pH	6.03 °C	528.29 µS/cm	2.42 mg/L	182.4 mV	41.96 ft	0.09 gal/min
3/6/2025 9:08 AM	25:00	7.78 pH	6.10 °C	524.83 µS/cm	2.39 mg/L	171.5 mV	41.98 ft	0.09 gal/min
3/6/2025 9:13 AM	30:00	7.77 pH	6.05 °C	517.73 µS/cm	2.37 mg/L	164.4 mV	41.99 ft	0.09 gal/min
3/6/2025 9:18 AM	35:00	7.71 pH	5.98 °C	517.36 µS/cm	2.37 mg/L	150.1 mV	42.02 ft	0.09 gal/min
3/6/2025 9:23 AM	40:00	7.61 pH	6.00 °C	511.21 µS/cm	2.36 mg/L	132.8 mV	42.02 ft	0.09 gal/min
3/6/2025 9:28 AM	45:00	7.43 pH	5.83 °C	506.30 µS/cm	2.43 mg/L	125.6 mV	42.03 ft	0.09 gal/min
3/6/2025 9:33 AM	50:00	7.49 pH	5.85 °C	500.60 µS/cm	2.43 mg/L	105.0 mV	42.03 ft	0.09 gal/min
3/6/2025 9:38 AM	55:00	7.61 pH	5.88 °C	493.70 µS/cm	2.38 mg/L	88.2 mV	42.03 ft	0.09 gal/min
3/6/2025 9:43 AM	01:00:00	7.54 pH	6.05 °C	551.71 µS/cm	2.25 mg/L	83.5 mV	42.03 ft	0.09 gal/min
3/6/2025 9:48 AM	01:05:00	7.50 pH	5.99 °C	554.81 µS/cm	2.23 mg/L	87.6 mV	42.03 ft	0.09 gal/min
3/6/2025 9:53 AM	01:10:00	7.49 pH	5.94 °C	552.79 µS/cm	2.23 mg/L	87.3 mV	42.03 ft	0.09 gal/min

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Samples

Sample ID:	Description:
GVMW-37A	
GVMW-137F	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Date: 3/5/25
Technician: J. Cranford
Quarter: 1
Static Water Level (DTW):
Well ID: OSTBH1-12
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 Parameter	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: 31°; 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:** OSABH1-12 is Dry

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/11/25
Technician: J. Crawford
Quarter: 1
Static Water Level (DTW):
Well ID: OSTBH1-14
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): * 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): following stabilization Actual vol. pumped (gal)
* See Field Volume Guide

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

Weather: 35°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:
OSTBH1-14 is dry.

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 3/18/25 - 3/19/25
Technician: J. Cranford
Quarter: 1
Static Water Level (DTW): 36.58
Well ID: OSAB-1-16
Is well Dry? no
If so Dry at: — feet
Well Depth (TD): 40.5

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:50			3.05	14072	6.7		554.5	
11:00	37.84							
10:35	36.58		3.07	7765	2.3		543.7	

Sample Method: Purge + return
Rate (gpm): — * Flow rate at stabilization (during sample collection)
Time Start: 3/18/25 12:50
Time End: 3/19/25 10:35

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

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse, Alconox

Weather: 34°, Partly Cloudy
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:

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Low-Flow Test Report:

Test Date / Time: 3/11/2025 12:05:06 PM
Project: Grassy Valley (20)
Operator Name: J Cranford

Location Name: OSABH-17 **Latitude: 38.748308875924245** **Longitude: -105.1328407404147** **Well Diameter: 2 in** **Total Depth: 30.35 ft** **Initial Depth to Water: 15.33 ft**	**Estimated Total Volume Pumped: 3.5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.04 gal/min** **Final Draw Down: 0.42 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket
Turbid water

Weather Conditions:
36 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	
3/11/2025 12:05 PM	00:00	3.16 pH	6.90 °C	21,770 µS/cm	1.33 mg/L	495.9 mV	15.33 ft	0.04 gal/min
3/11/2025 12:10 PM	05:00	3.16 pH	6.18 °C	21,990 µS/cm	0.72 mg/L	518.6 mV	15.59 ft	0.04 gal/min
3/11/2025 12:15 PM	10:00	3.16 pH	6.21 °C	21,897 µS/cm	0.58 mg/L	526.6 mV	15.64 ft	0.04 gal/min
3/11/2025 12:20 PM	15:00	3.17 pH	6.08 °C	21,803 µS/cm	0.46 mg/L	529.9 mV	15.69 ft	0.04 gal/min
3/11/2025 12:25 PM	20:00	3.17 pH	6.04 °C	21,820 µS/cm	0.40 mg/L	532.0 mV	15.72 ft	0.04 gal/min
3/11/2025 12:30 PM	25:00	3.17 pH	5.86 °C	21,826 µS/cm	0.37 mg/L	534.4 mV	15.74 ft	0.04 gal/min
3/11/2025 12:35 PM	30:00	3.17 pH	5.72 °C	21,789 µS/cm	0.32 mg/L	537.4 mV	15.75 ft	0.04 gal/min
3/11/2025 12:40 PM	35:00	3.16 pH	5.89 °C	21,657 µS/cm	0.29 mg/L	539.9 mV	15.75 ft	0.04 gal/min

Samples

Sample ID:	Description:
OSABH-17	

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Date: 3/10/25
Technician: J. Crawford
Quarter: 1
Static Water Level (DTW):
Well ID: OSABH-18
Is well Dry? yes
If so Dry at: 52
Well Depth (TD): 52 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): * Flow rate at stabilization (during sample collection)
Time Start:
Time End:

Final Parameter	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
Equipment Decontaminated: Y / N
Turbid? ~~Y / N~~
Decontamination procedure used: N/A

Weather: 36° F, clear
Signature:

Volume Calculations:	
For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$	**For 4" Diameter Well (gal):** $V(gal) = 0.6528 * h(ft)$
Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$	
Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$	
Well Volume Purge Method: *Three Well Volumes = 3*V*	
Conversions: $1ft^3 = 7.48\ gal$ $1gal = 3.785\ L$	**Show Calculations:** OSABH-18 is dry

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: RB-0317 **Date:** 3/17/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:06	5.25	14.7	12.7	393.2

Sample Method: grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 38°, Sunny

Signature:

Comments / Notes:

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

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

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

Location: Seep-2 **Date:** 3/19/25

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

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
10:56		Dry			

Sample Method:

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 38°, Cloudy

Signature:

Comments / Notes:

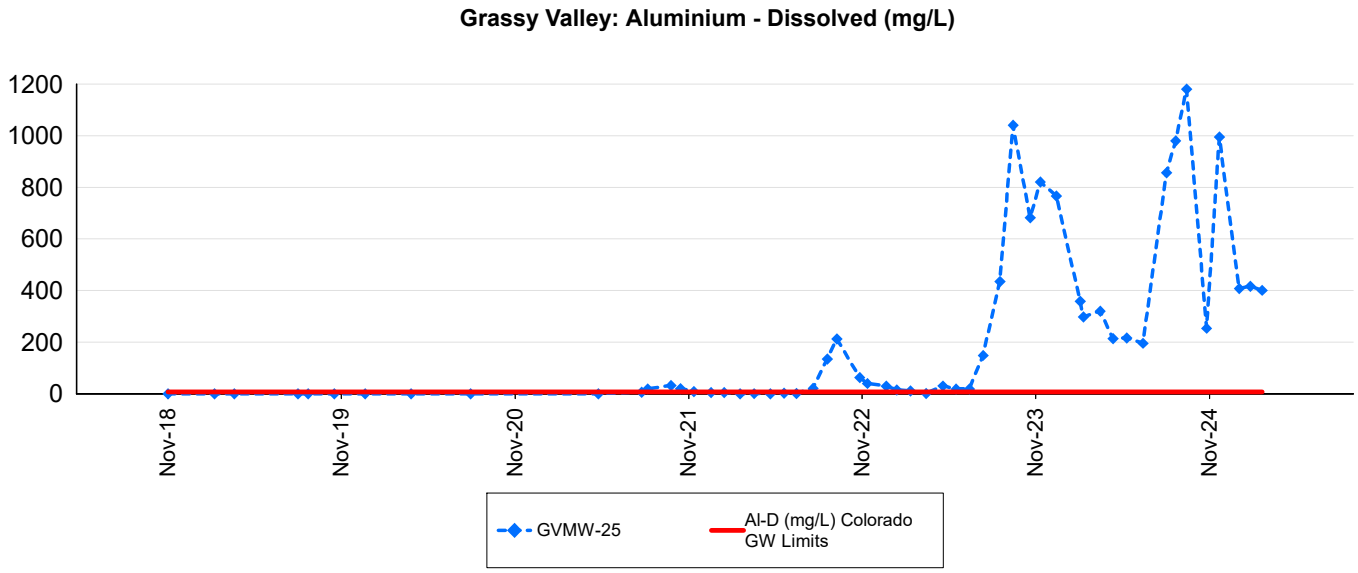
Seep-2 is dry/frozen

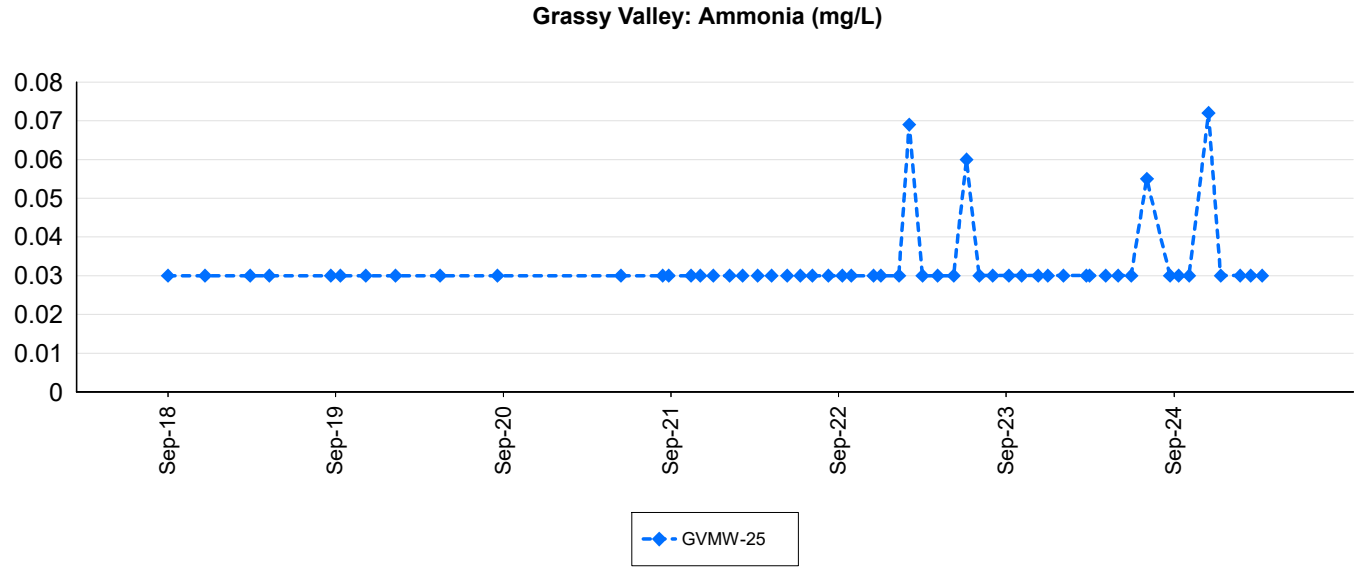
** Field Parameters (pH, Conductivity, Temperature, ORP and Chlorine) must be analyzed within 15 minutes of sample collection.*

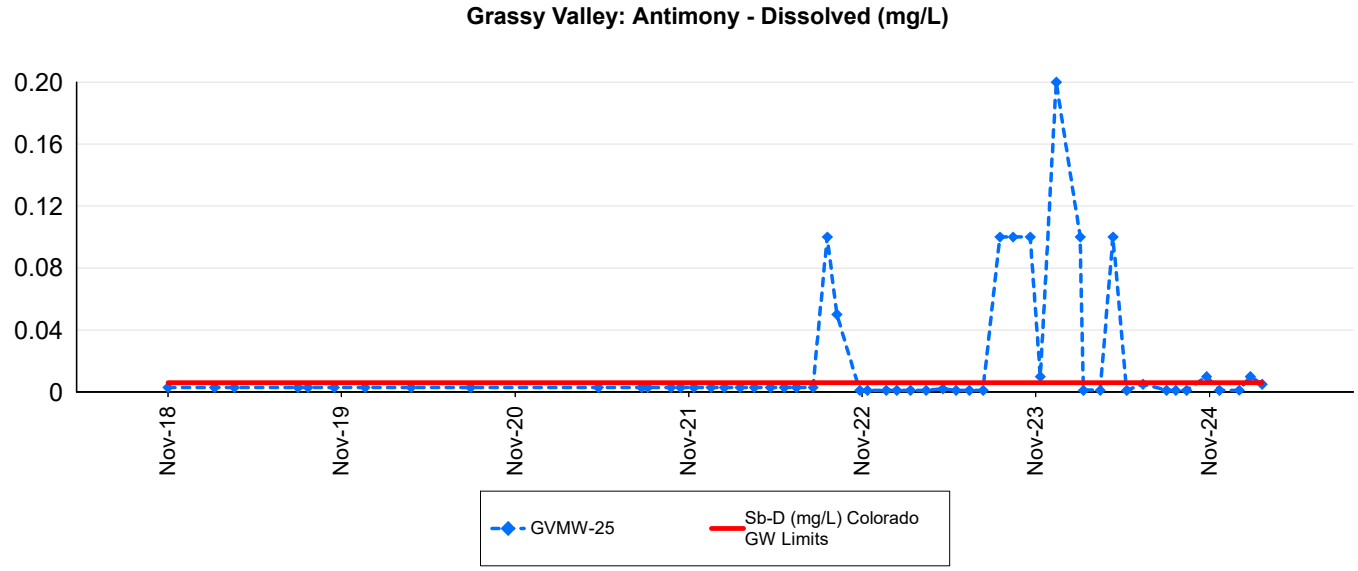
Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

Attachment 4
GVMW-25 Historical Graphs

Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18







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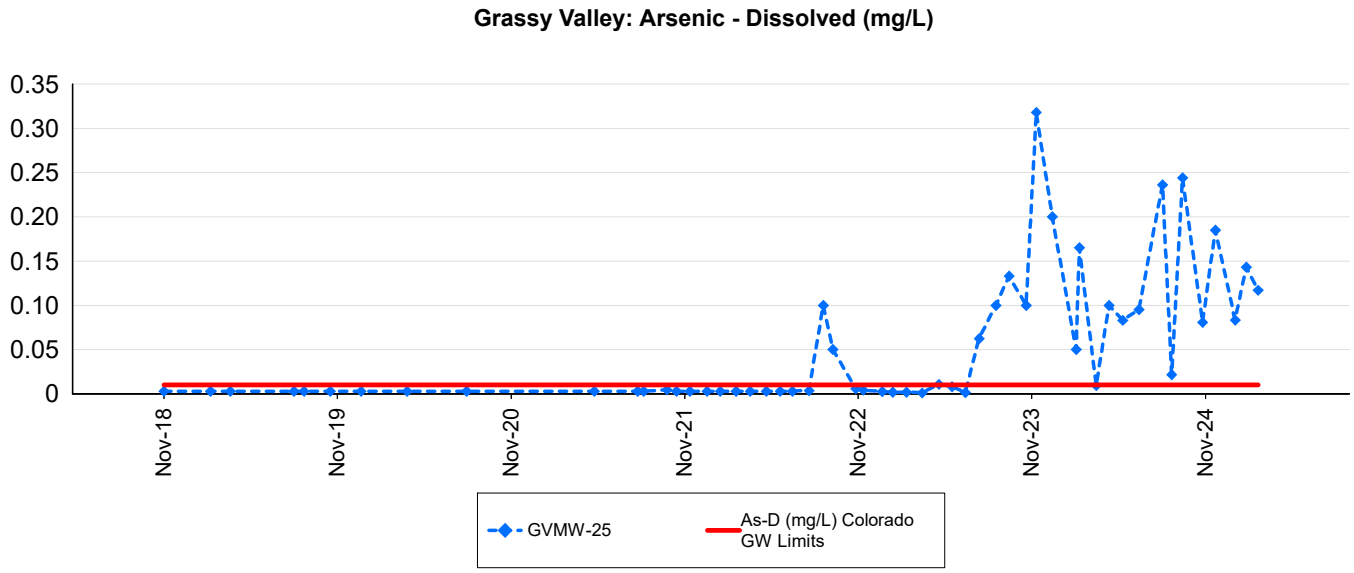

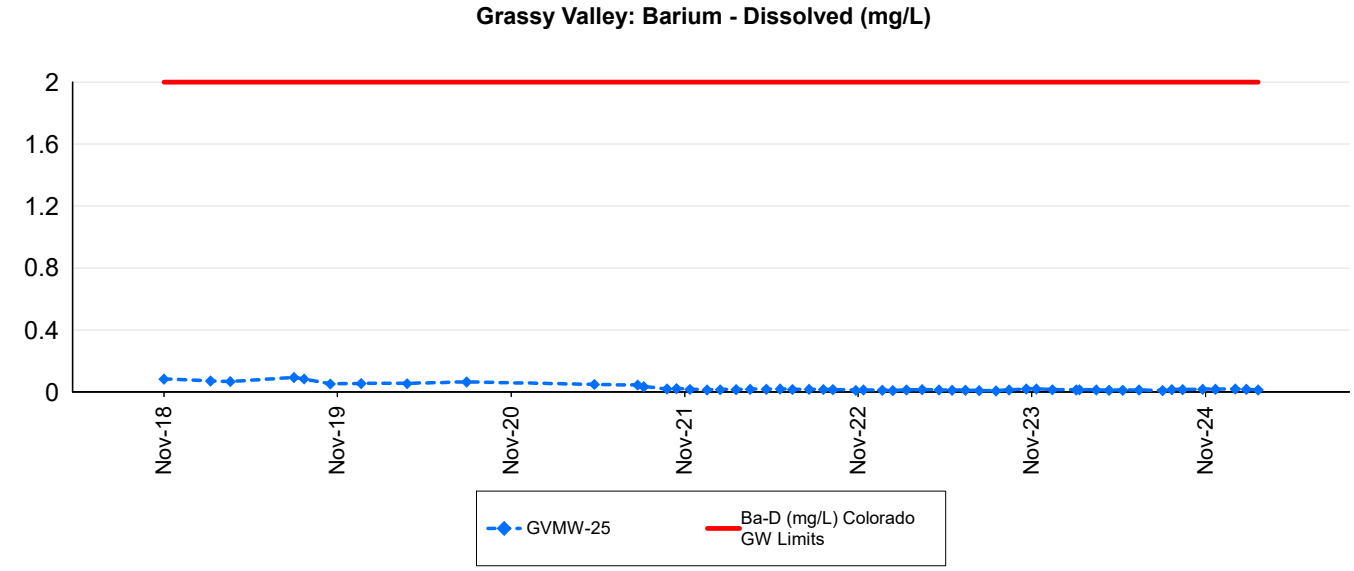

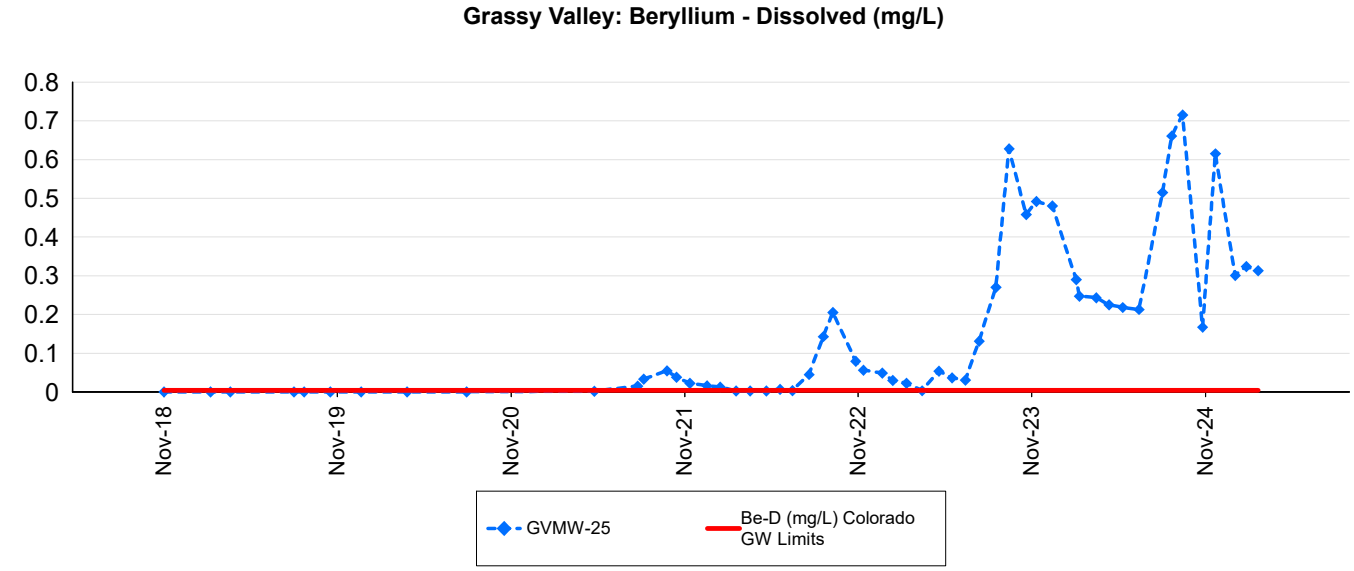

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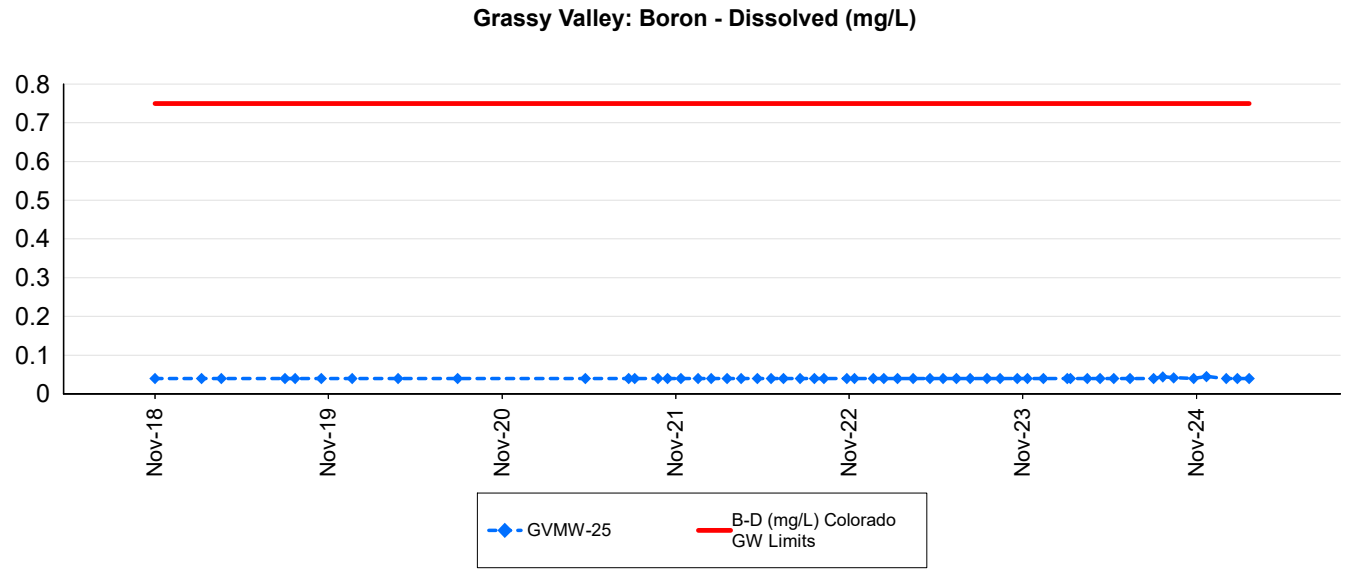
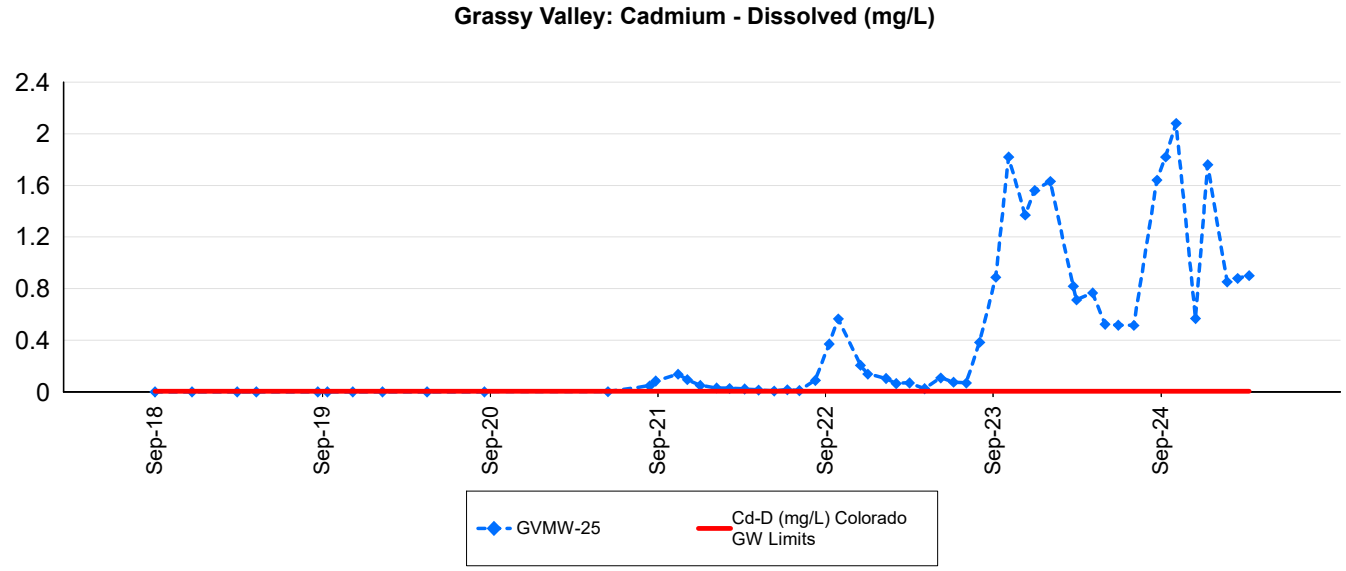
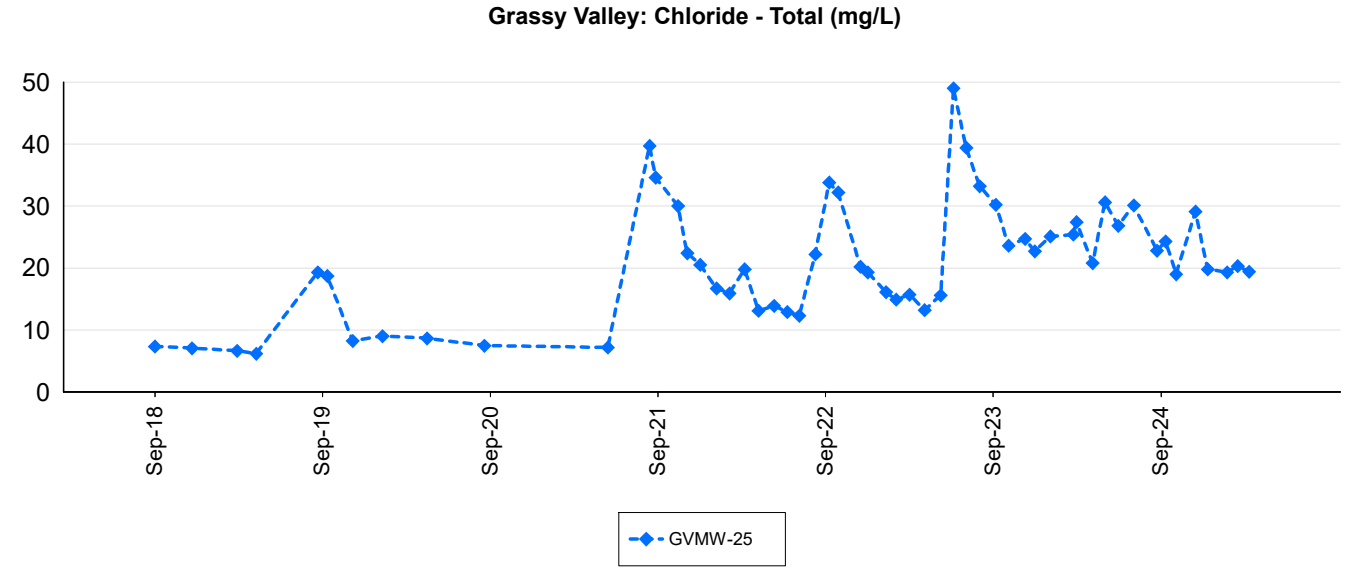
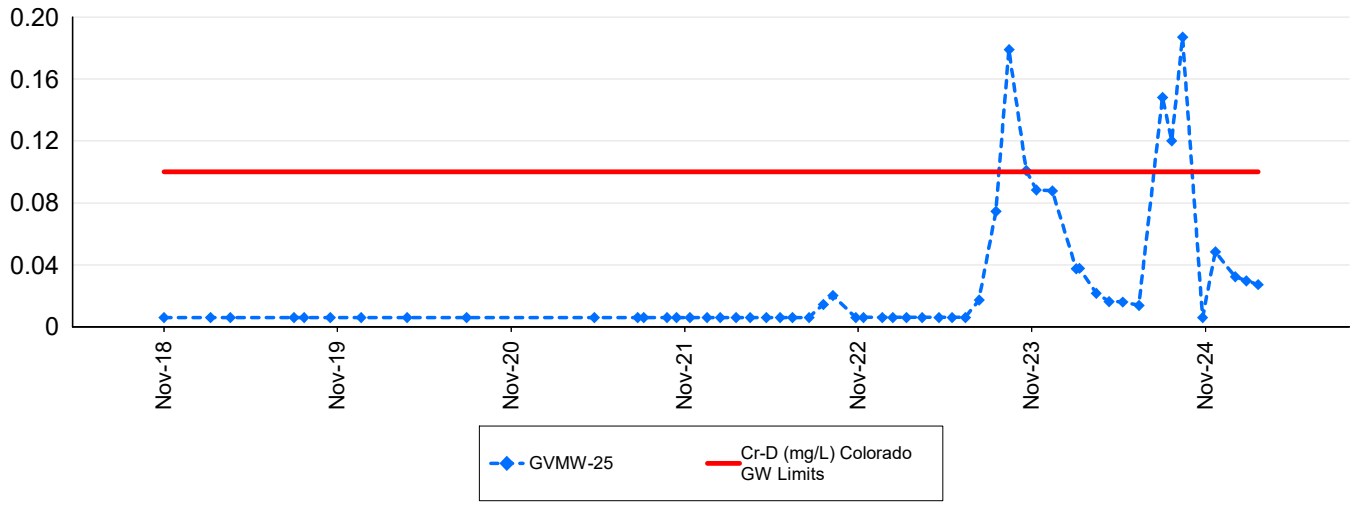




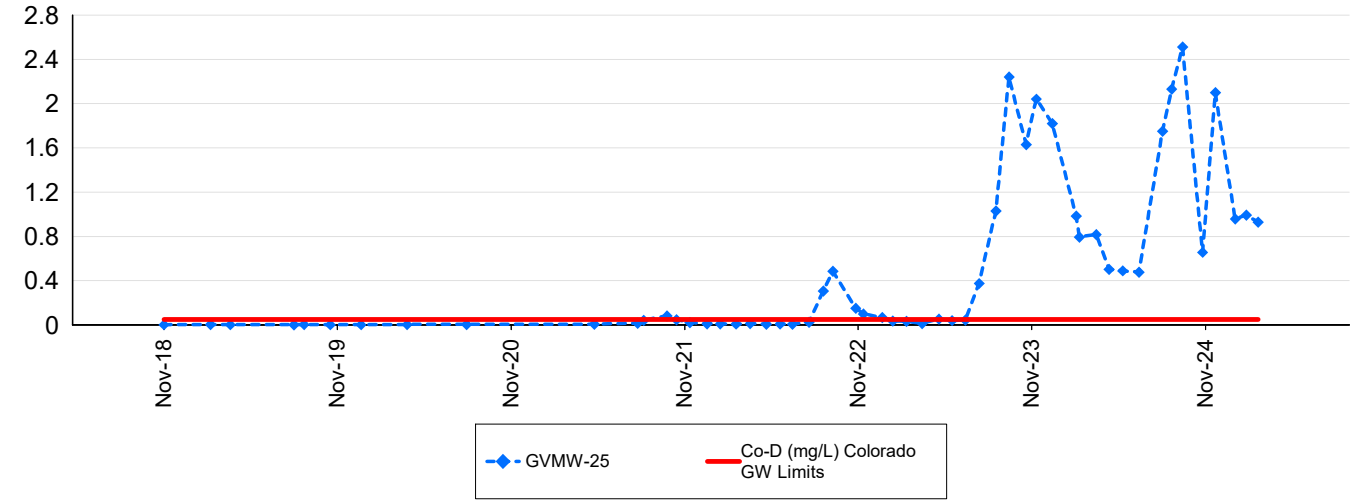


Docusign Envelope ID: 3A680117-BDD7-4286-B2EA-F94166605F18

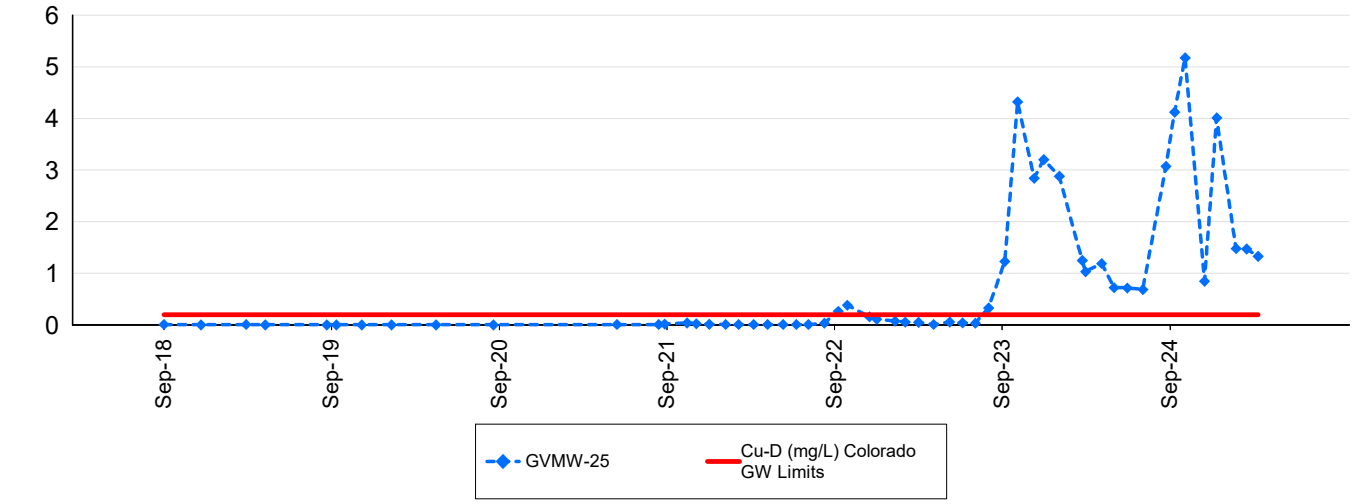
Grassy Valley: Chromium - Dissolved (mg/L)



Grassy Valley: Cobalt - Dissolved (mg/L)



Grassy Valley: Copper - Dissolved (mg/L)



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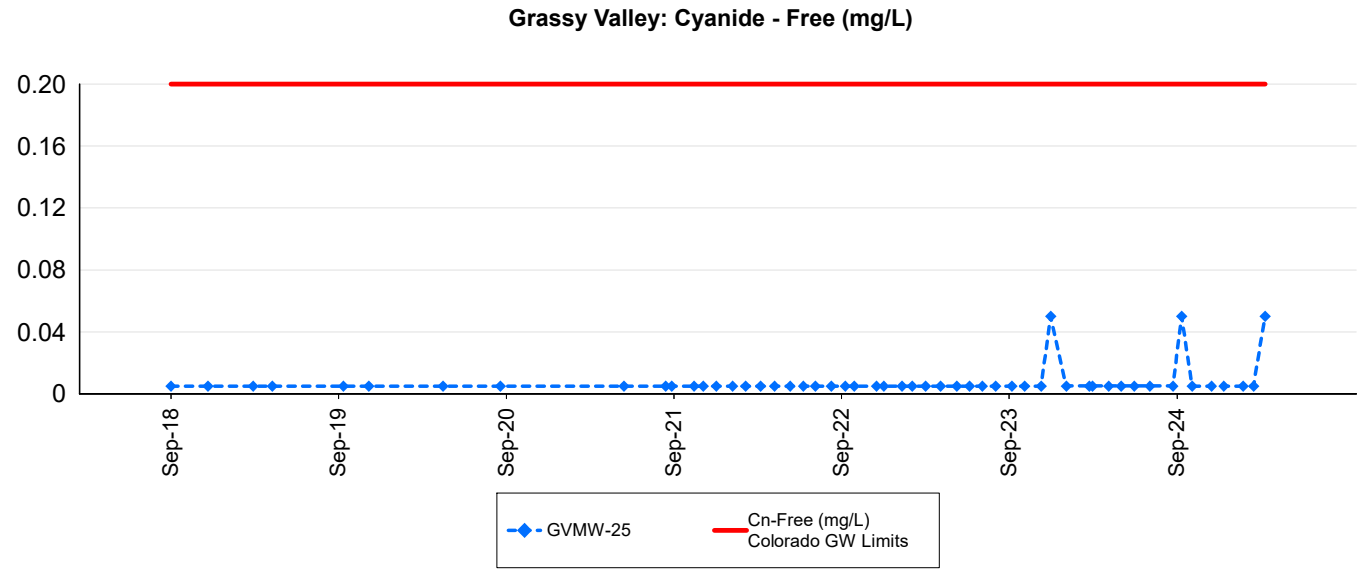

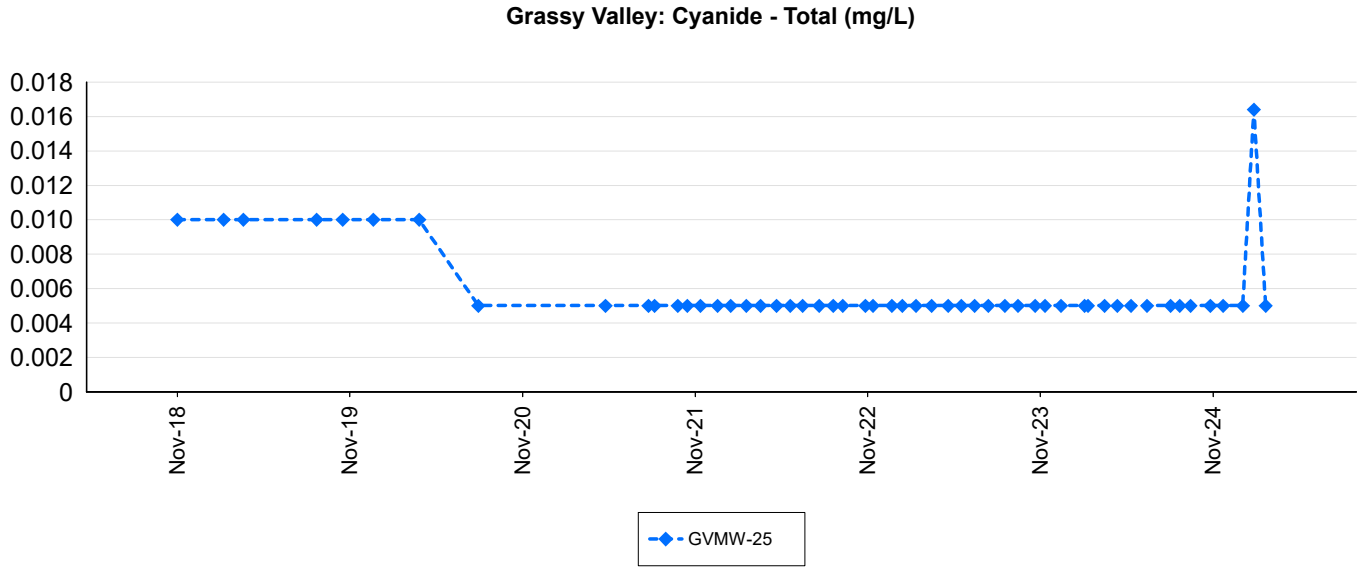

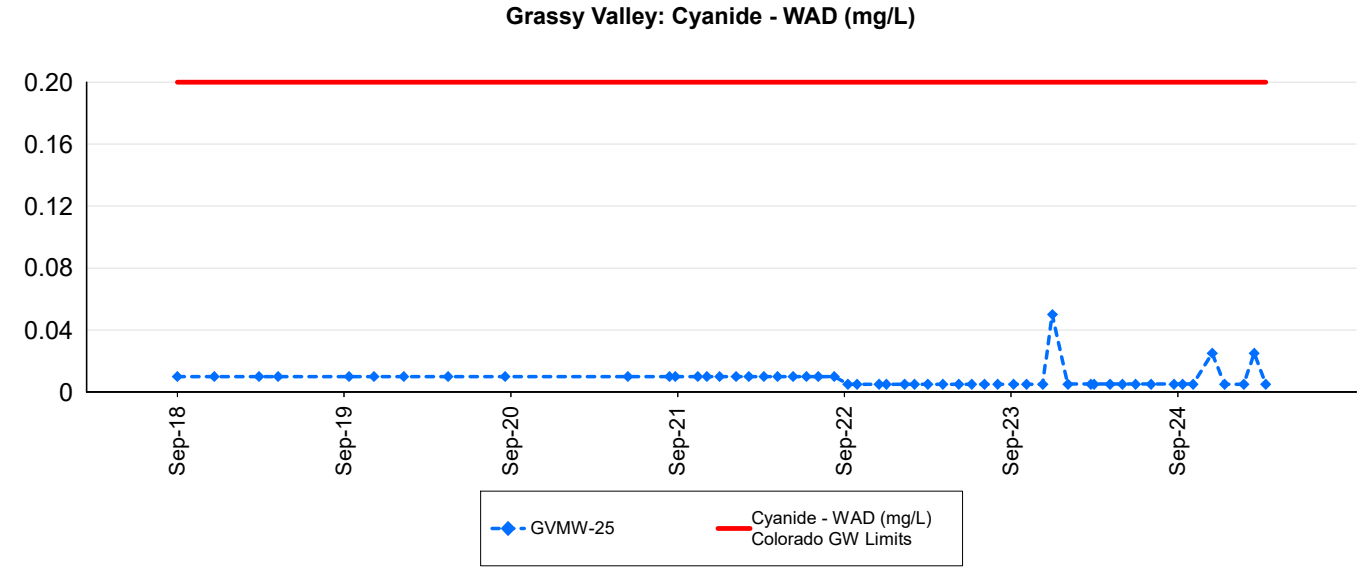

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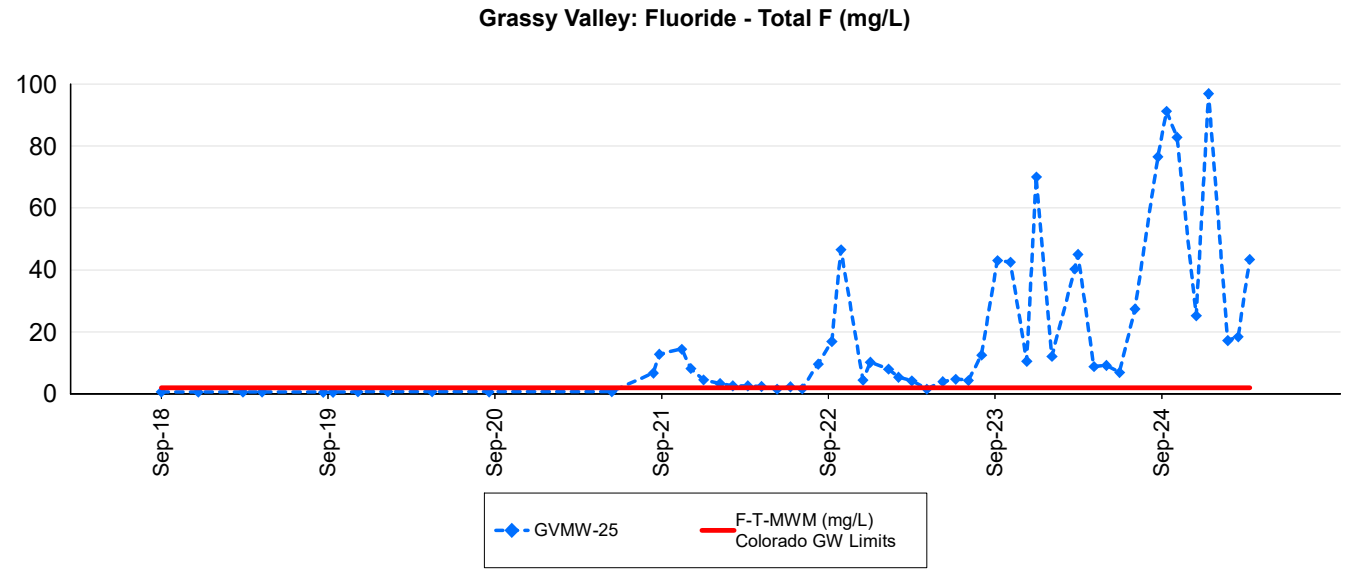

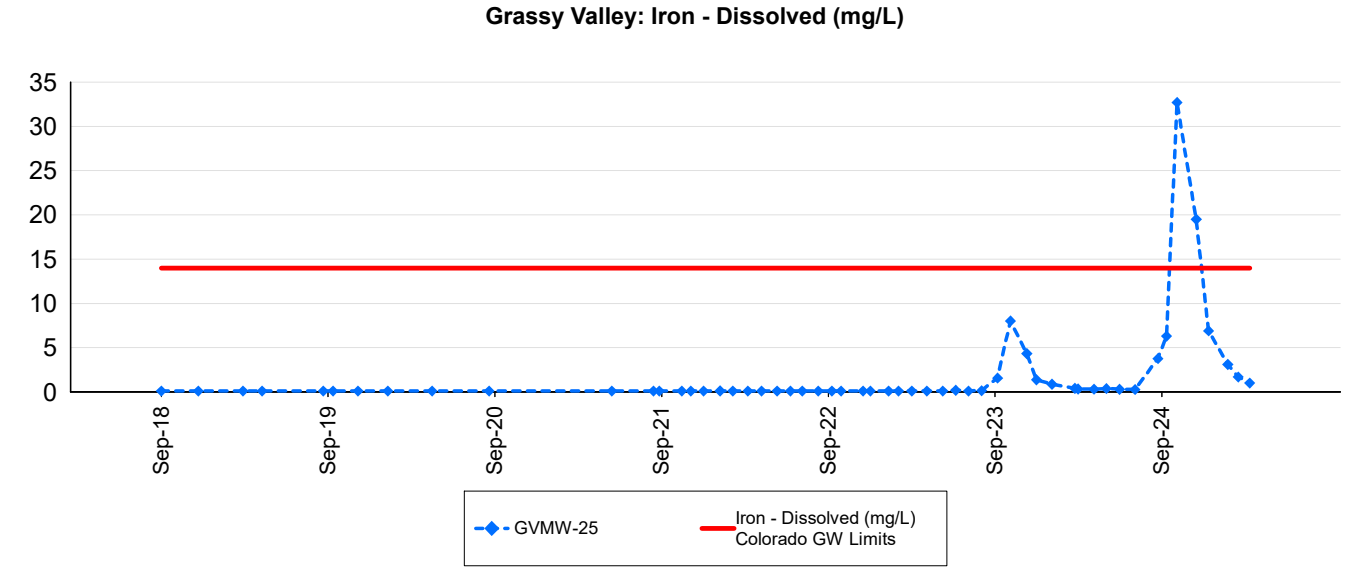

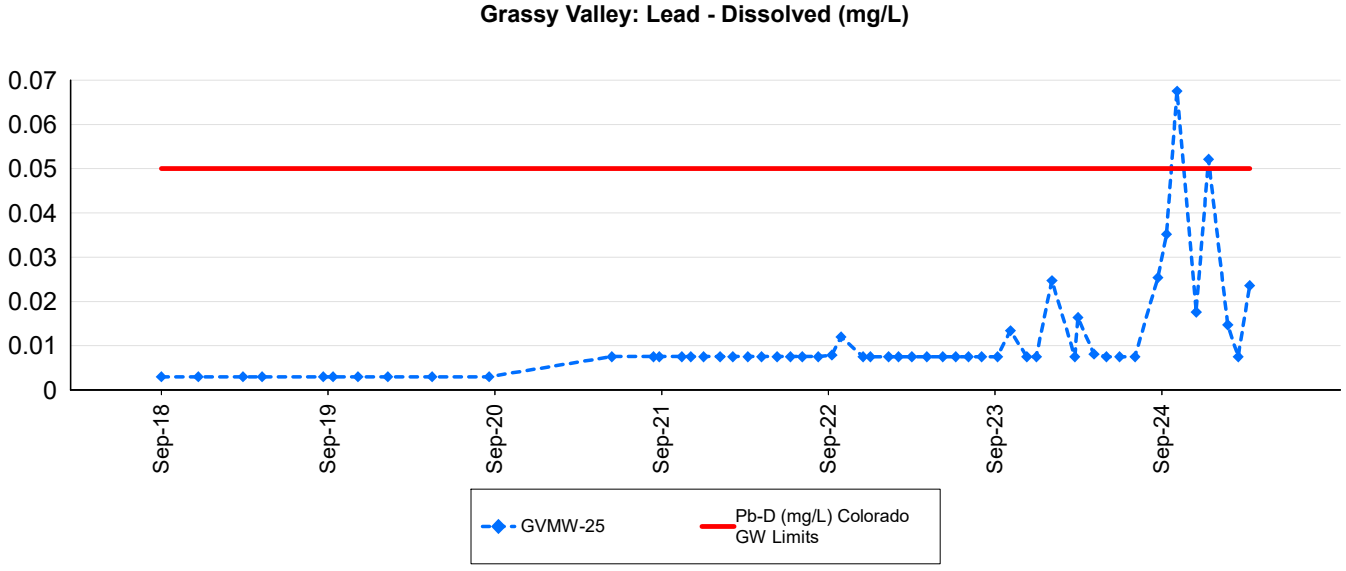

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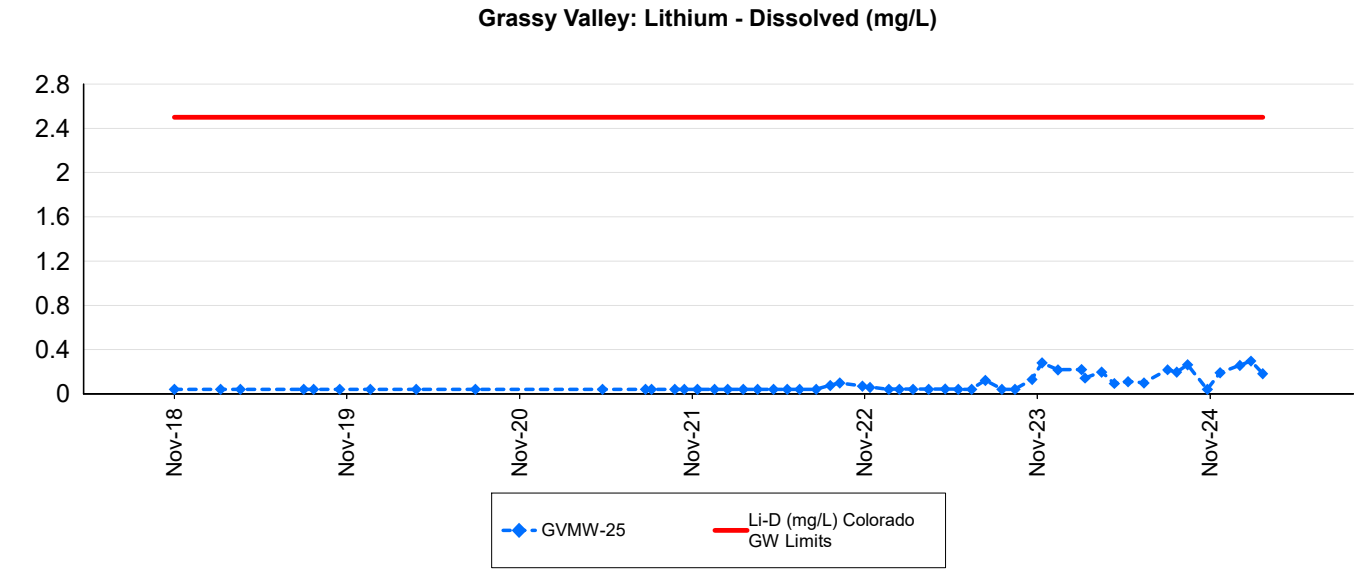

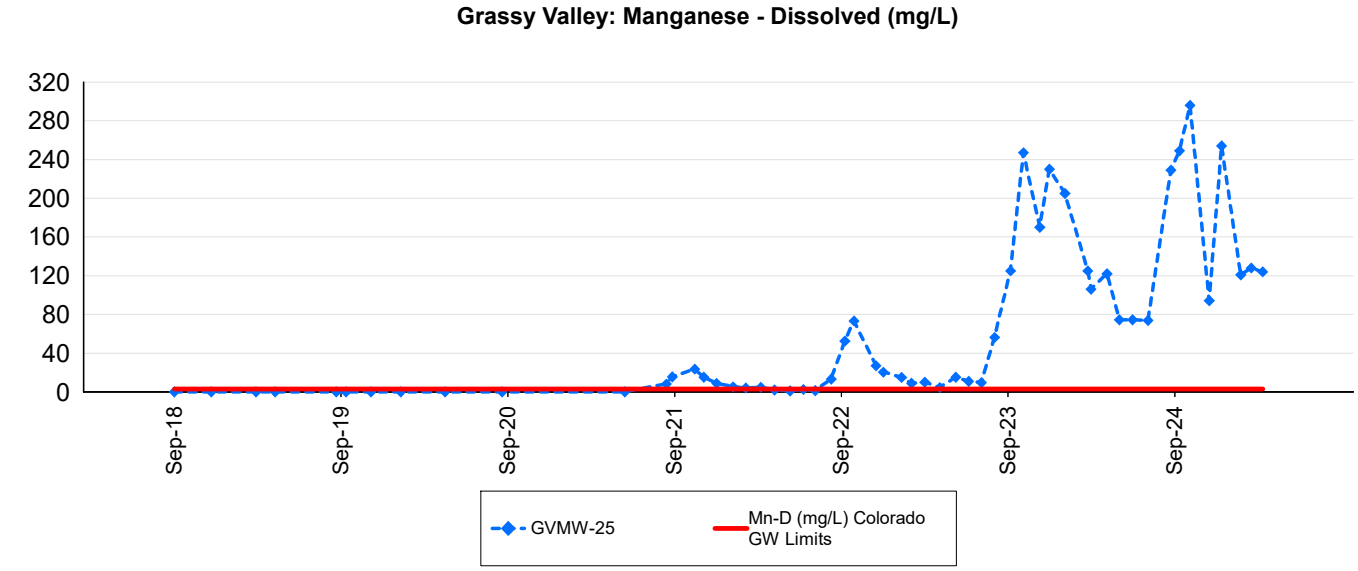

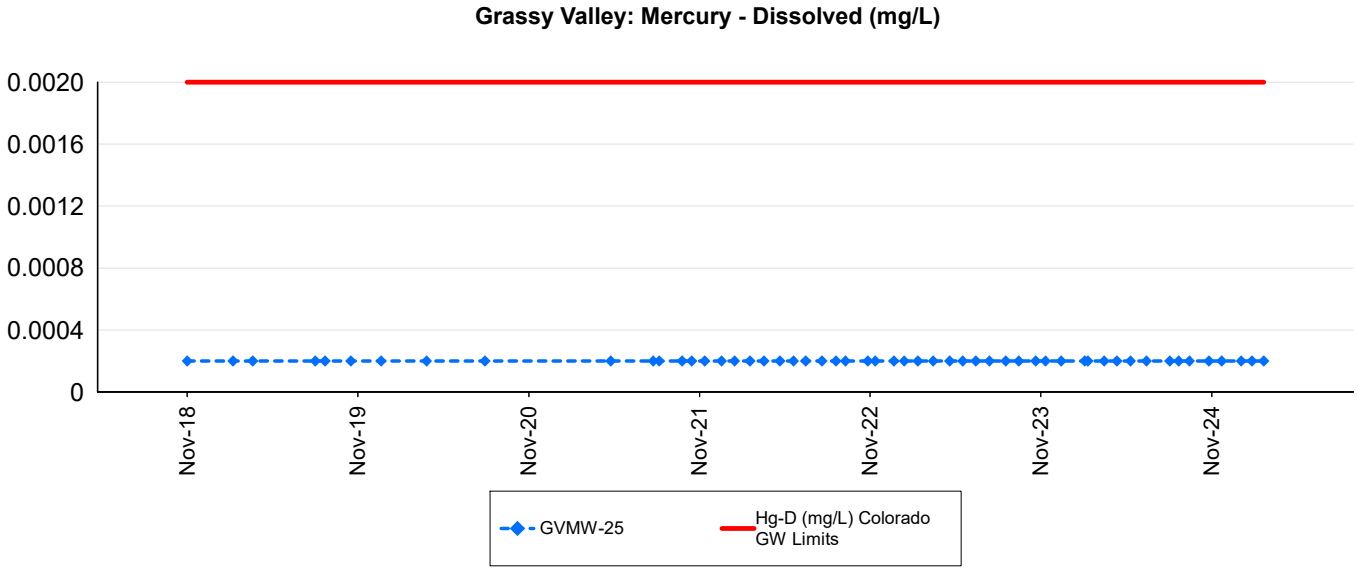

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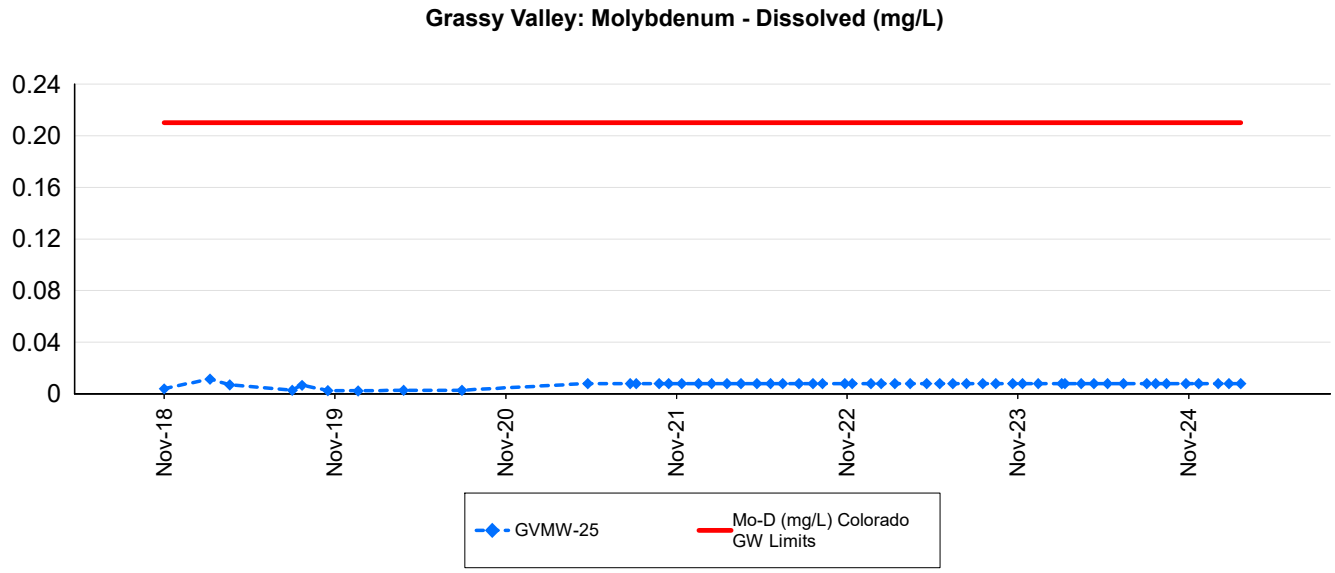

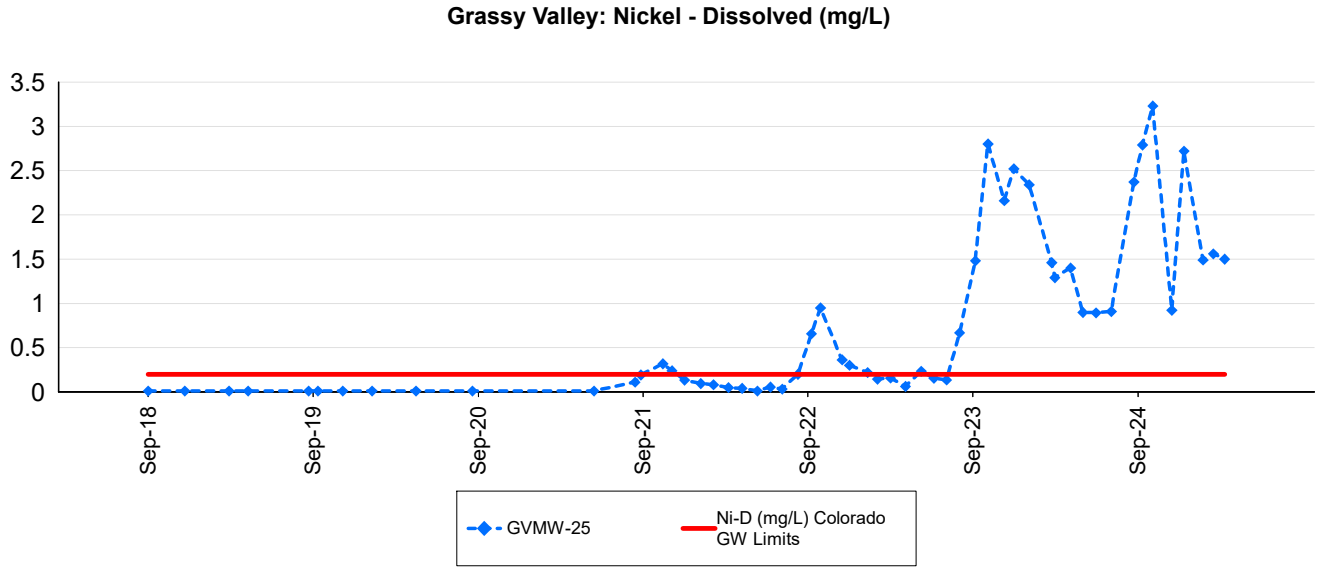

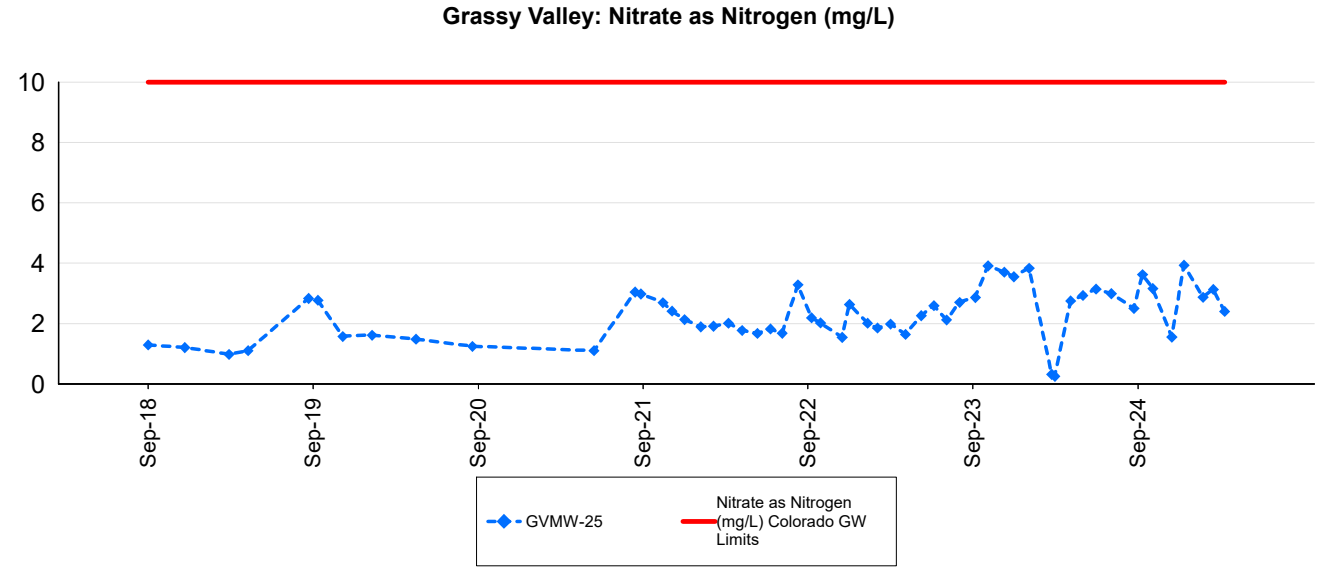

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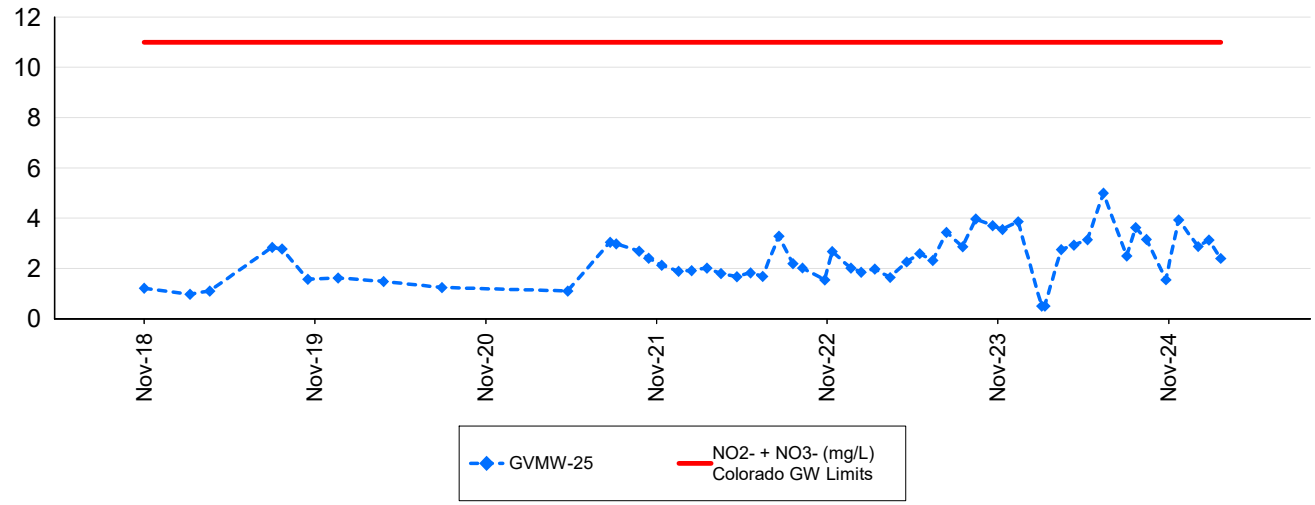
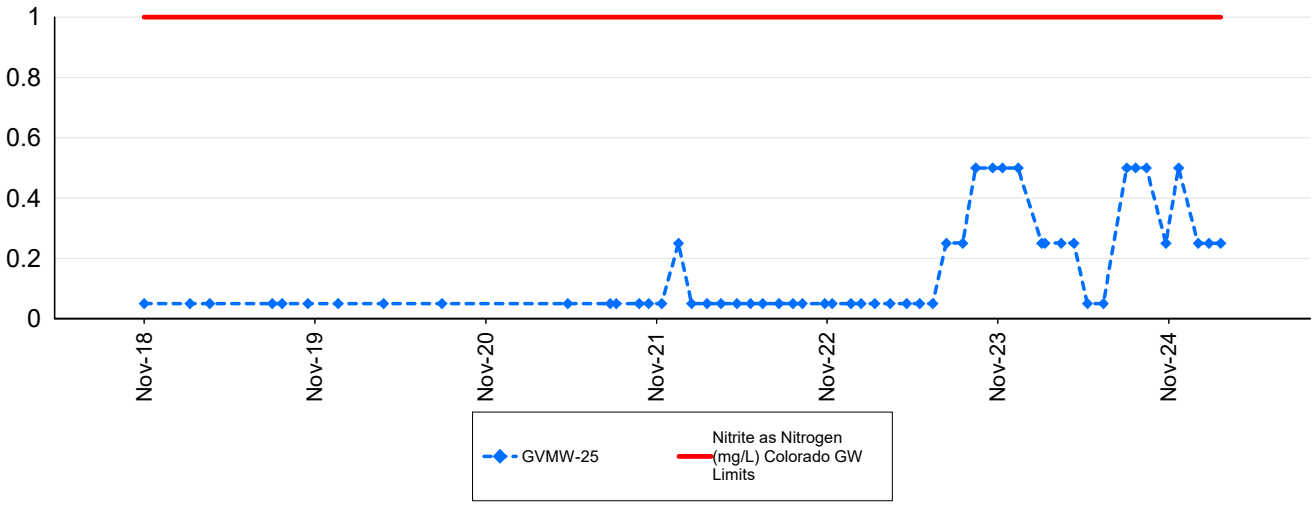
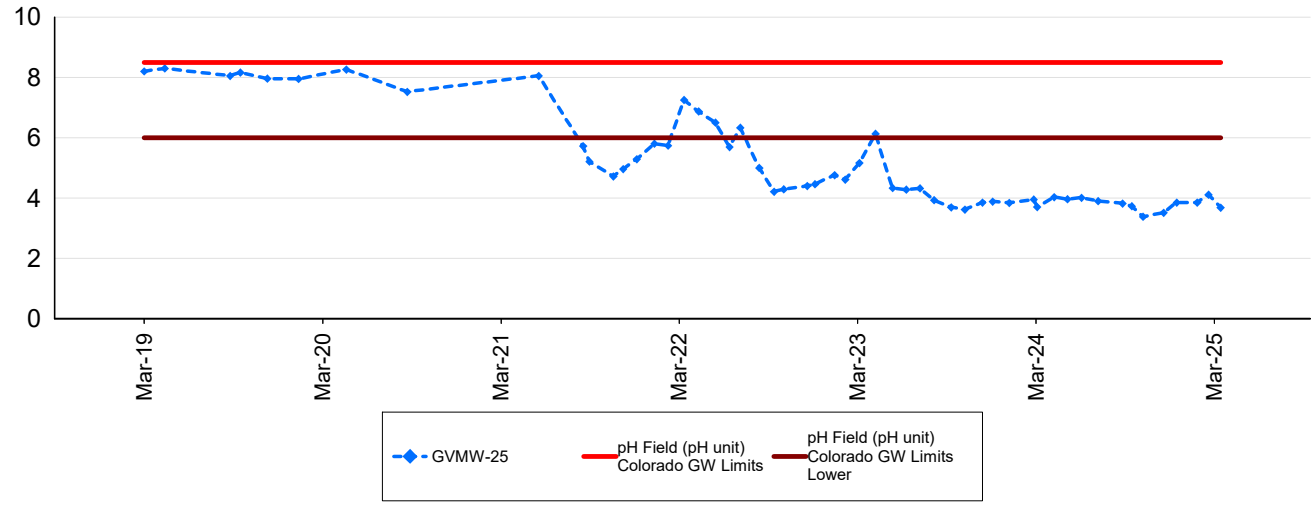
Grassy Valley: Nitrite + Nitrate as Nitrogen (mg/L)



Grassy Valley: Nitrite as Nitrogen (mg/L)



Grassy Valley: pH Field (pH unit)



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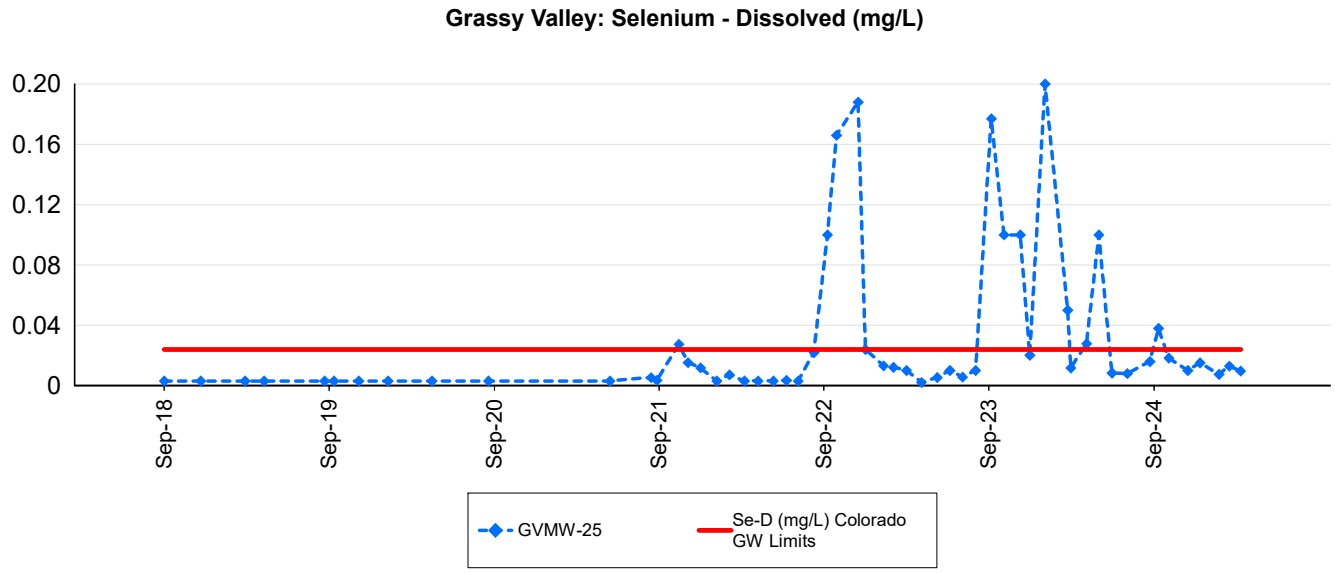

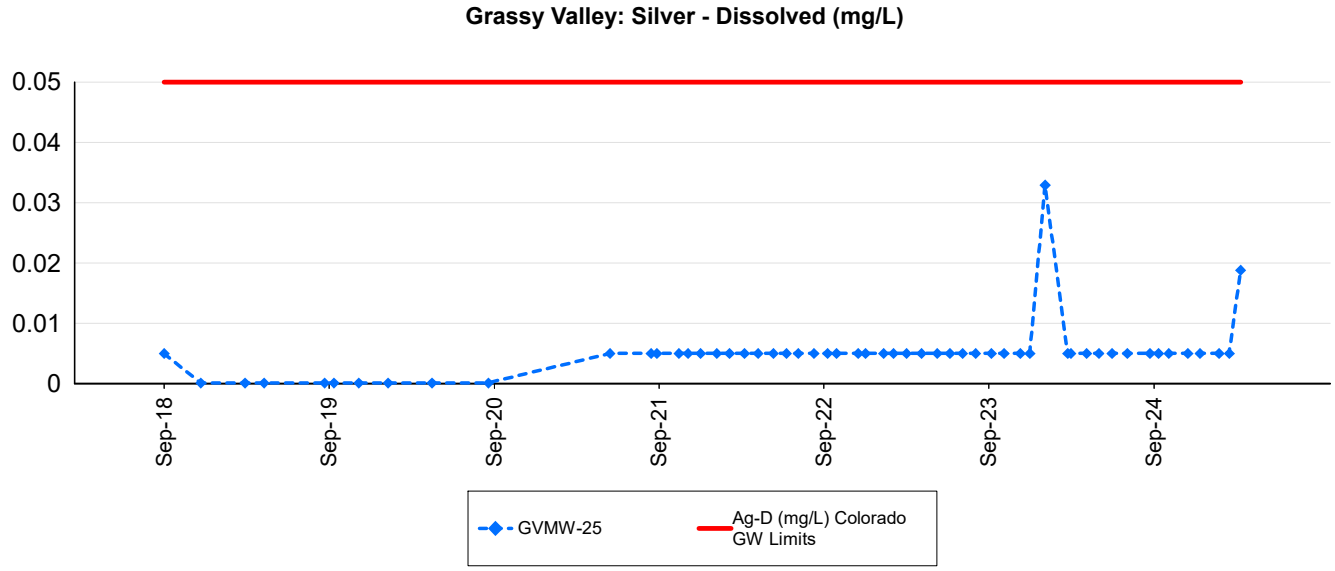

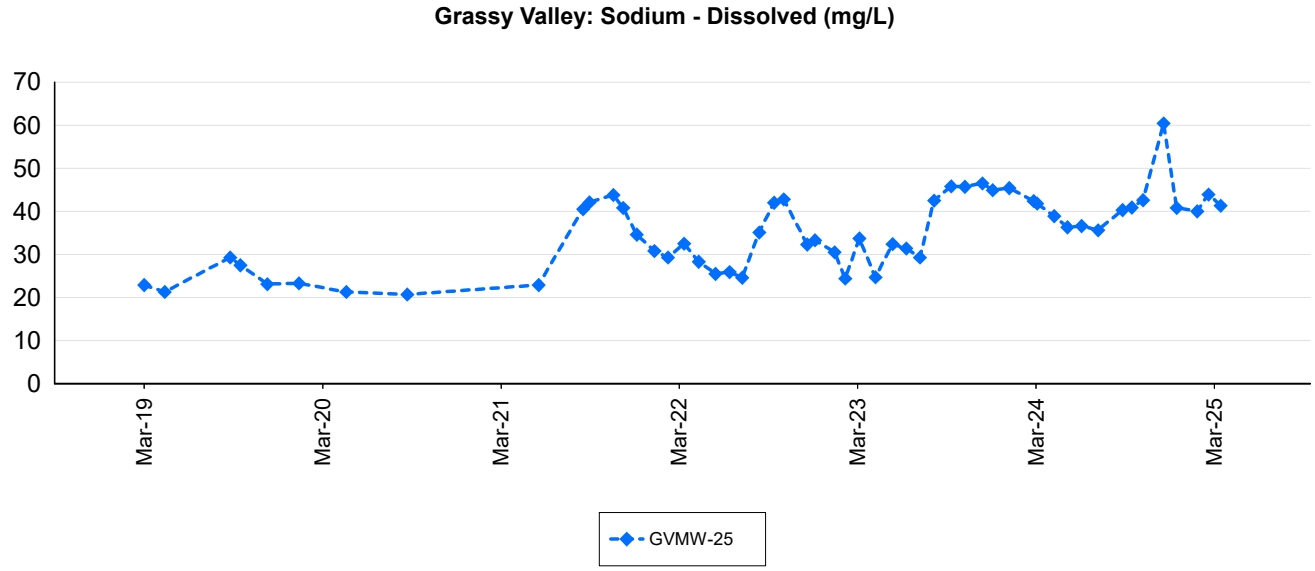

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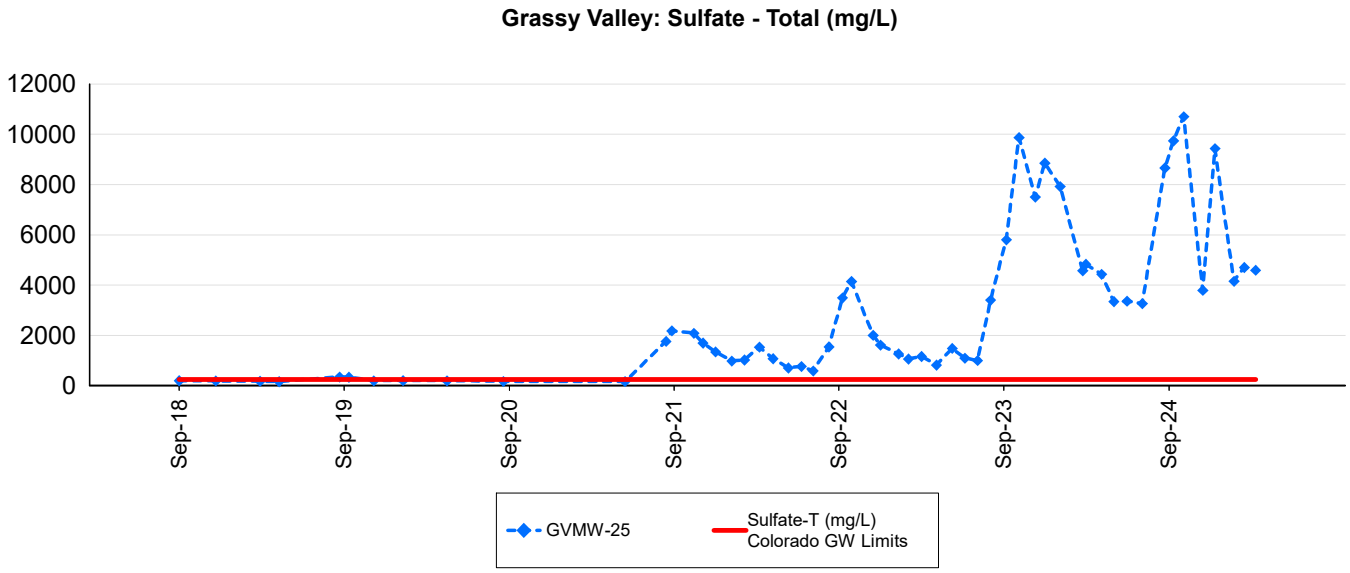

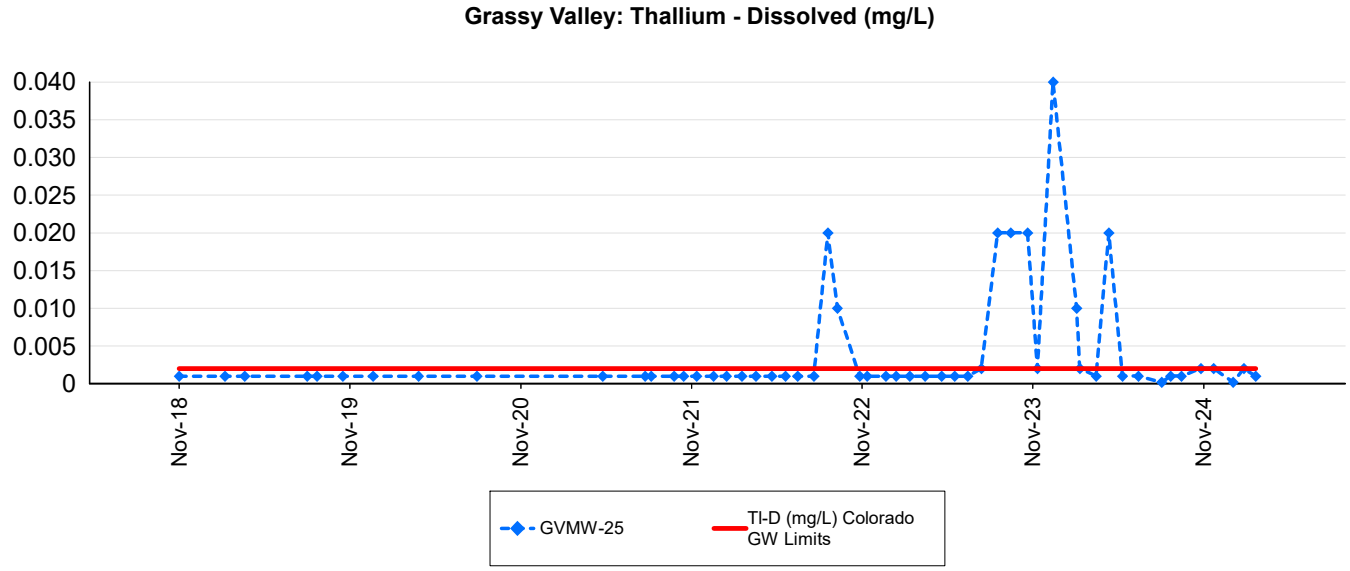

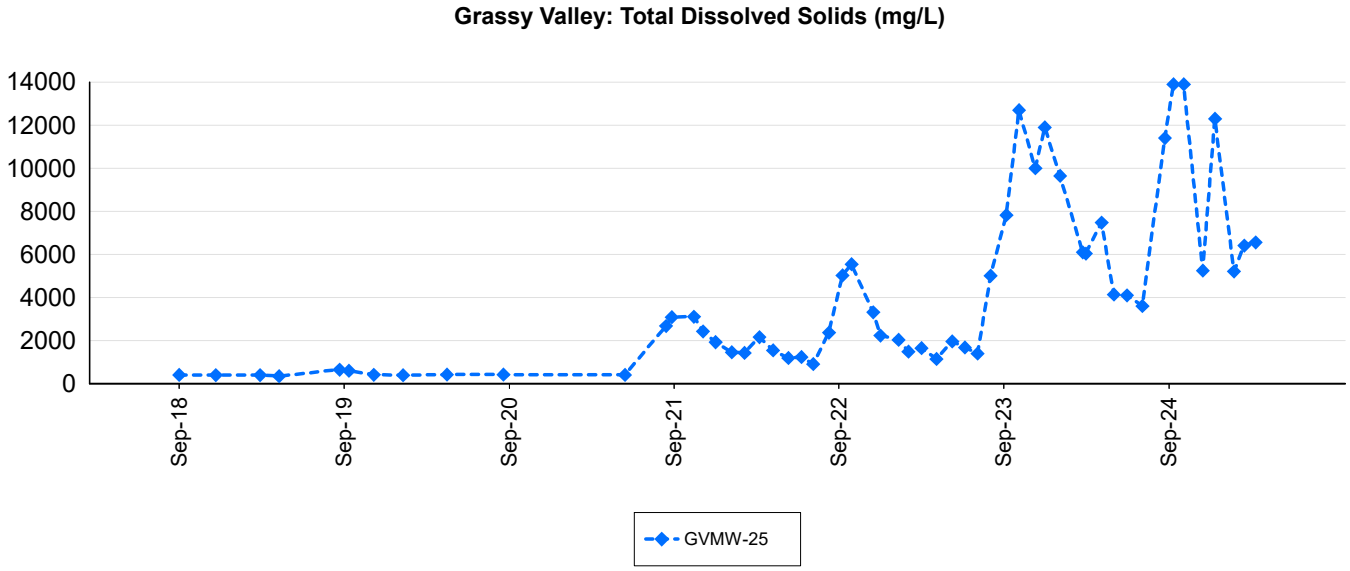

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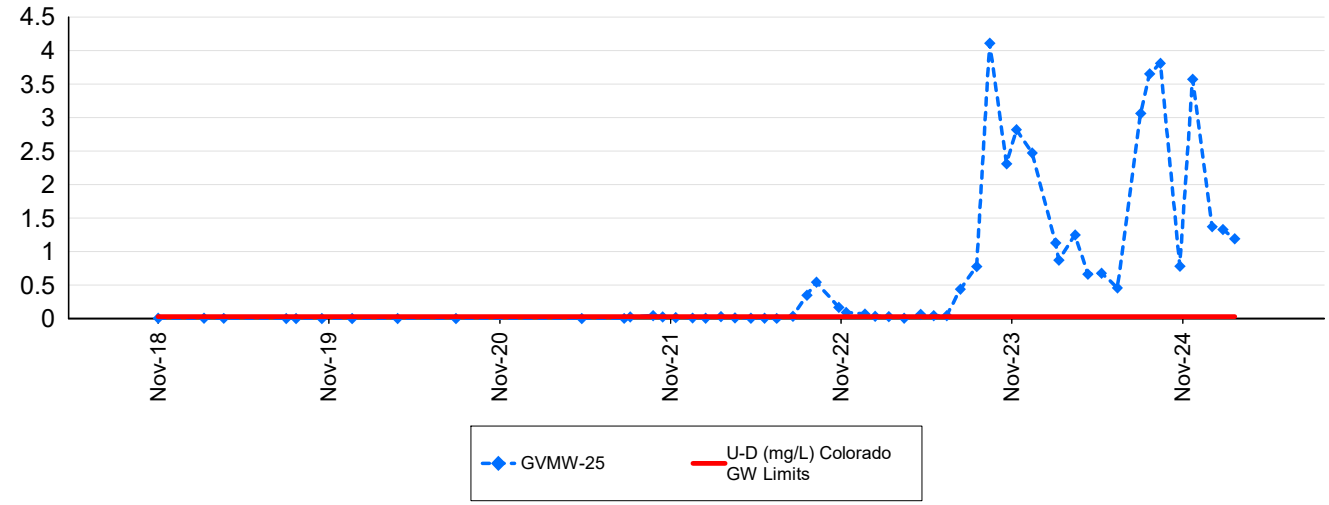
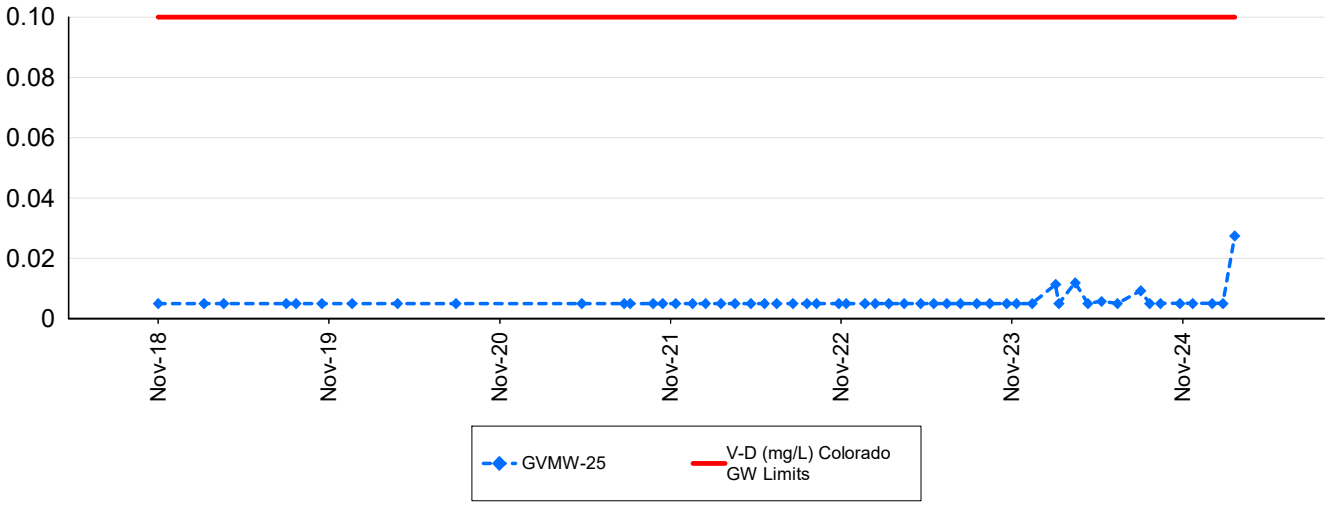
Grassy Valley: Uranium - Dissolved (mg/L)



Grassy Valley: Vanadium - Dissolved (mg/L)



Grassy Valley: Zinc - Dissolved (mg/L)