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

May 28, 2025

RE: Monthly Grassy Valley Report April 2025 Submission, May 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 April 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 April monitoring period, CC&V was unable to collect water samples from the following monitoring locations due to the reasons listed below:

- GVMW-15C, GVMW-29, GVMW-31, GVMW-32, OSABH12, OSABH14, and OSABH-18, and Seep 1 were dry;
- GVMW-24A had sediment-laden water that caused the pump to overheat and malfunction;
- GVMW-35A was not sampled due to the tubing being frozen;
- EMP-17, EMP-17C, and EMP-020 were dry; and
- GV-02, and GV-03 were 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.

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 April 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 April 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.

Trend graphs for various constituents at the GVMW-25 monitoring location are provided in Attachment 4. Overall, results in April indicate similar concentrations compared to February and March 2025. However, concentrations of arsenic and lead decreased relative to March 2025 and beryllium, fluoride, nitrate, and sulfate concentration slightly increased. All other constituents remained consistent with the previous month's data. Additionally, ammonia, antimony, boron, cyanide, mercury, molybdenum, thallium, and vanadium were not detected in the April 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;
- Elevated beryllium, cadmium, fluoride, nickel, and sulfate at GVMW-24B;
- 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.

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

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

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

- Elevated nitrate, pH, and sulfate at GVMW-35B; 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 April 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 and GV-4.5 exceeded Regulation 32 standards (Classification and Numeric Standards for Arkansas River Basin) for total and dissolved iron. GV-05 location was compliant with all applicable standards.

Stormwater Detention Ponds
EMP-16, EMP-17A and EMP-17B all contained water during the monitoring period and were sampled. Results from the EMP sampling are included in Table 2 and compared to TVS's and NPL's. All other EMP were dry during the monitoring period and therefore no samples were collected.

CC&V anticipates that all EMP's with identified constituents above regulatory limits will be pump dry before the end of Q2 2025 and should remain dry for the remainder of the year.

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,

DocuSigned by:
Katie Blake
5A3D013B629844B...

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

Figures

LEGEND

- MONITORING WELL
- PERMIT BOUNDARY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

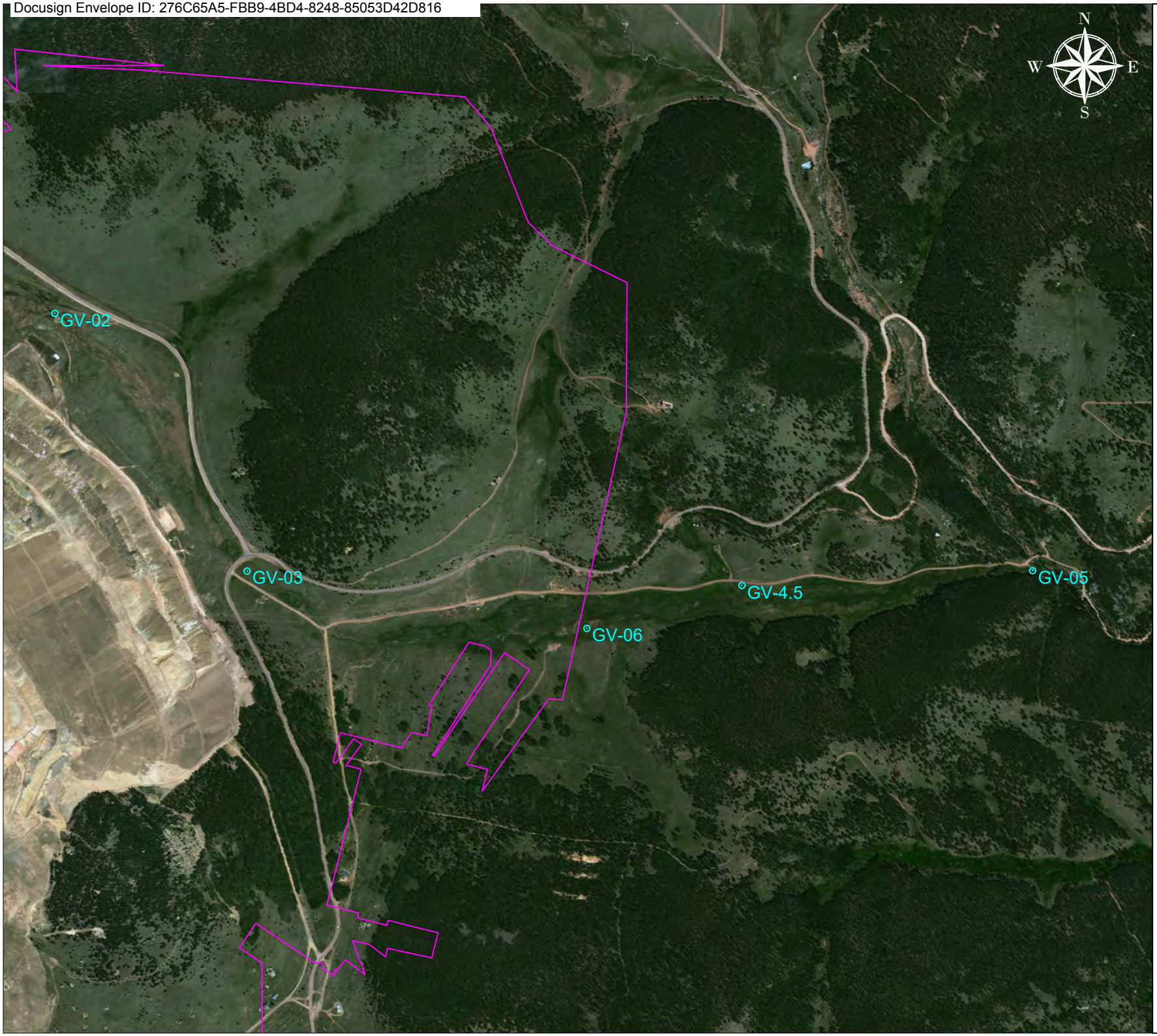
Newmont
CRIPPLE CREEK & VICTOR

Drawing Name

GRASSY VALLEY
MONITORING WELLS

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

Scale: 0 500 1000 Feet



LEGEND

- SURFACE WATER LOCATION
- PERMIT BOUNDARY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Newmont
CRIPPLE CREEK & VICTOR

Drawing Name

GRASSY VALLEY
SURFACE WATER MONITORING

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

Scale: 0 700 1400 Feet

LEGEND

- EMP
- PERMIT BOUNDARY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Newmont™
CRIPPLE CREEK & VICTOR

Drawing Name

GRASSY VALLEY
EMP MONITORING

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

Scale: 0 300 600 Feet

LEGEND

- SEEP LOCATION
- PERMIT BOUNDARY

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Newmont
CRIPPLE CREEK & VICTOR

Drawing Name

GRASSY VALLEY
ECOSA SEEP MONITORING

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

Scale: 200 400 Feet

Tables

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

Monitoring Location	Date Monitored	Status
GVMW-4A	4/8/2025	Sampled
GVMW-7A	4/1/2025	Sampled
GVMW-7B	4/1/2025	Sampled
GVMW-8A	4/1/2025	Sampled
GVMW-8B	4/1/2025	Sampled
GVMW-10	4/8/2025	Sampled
GVMW-15A	4/9/2025	Sampled
GVMW-15B	4/9/2025	Sampled
GVMW-15C	4/9/2025	Dry at 419' BTOC
GVMW-22A	4/1/2025	Sampled
GVMW-22B	4/1/2025	Sampled
GVMW-24A	4/28/2025	Not sampled due to sediment laden water causing the pump to overheat; unable to pump well
GVMW-24B	4/8/2025	Sampled
GVMW-25	4/28/2025	Sampled
GMVW-26A	4/1/2025	Sampled
GVMW-26B	4/7/2025	Sampled
GVMW-27	4/28/2025	Sampled
GVMW-28	4/28/2025	Sampled
GVMW-29	4/14/2025	Dry at 38.09' BTOC
GVMW-30	4/15/2025	Sampled
GVMW-31	4/14/2025	Dry at 61.42' BTOC
GVMW-32	4/14/2025	Dry at 67.20' BTOC
GVMW-33	4/30/2025	Sampled
GVMW-34	4/15/2025	Sampled
GVMW-35A	4/8/2025	Not sampled, well/tubing frozen
GVMW-35B	4/15/2025	Sampled
GVMW-36	4/30/2025	Sampled
GVMW-37A	4/2/2025	Sampled
GVMW-37B	4/2/2025	Sampled
OSABH-12	4/30/2025	Dry at 39' bgs
OSABH-14	4/30/2025	Dry at 29' bgs
OSABH-16	4/15/2025	Sampled
OSABH-17	4/9/2025	Sampled
OSABH-18	4/30/2025	Dry at 52' BTOC
Ecosa Seep-1	4/28/2025	Dry
Ecosa Seep-2	4/28/2025	Sampled
GV-02	4/28/2025	Not sampled; no flowing water
GV-03	4/25/2025	Not sampled; no flowing water
GV-06	4/8/2025	Sampled
GV-4.5	4/28/2025	Sampled
GV-05	4/28/2025	Sampled
EMP-016	4/28/2025	Sampled
EMP-017	4/28/2025	Not sampled; location dry
EMP-017A	4/28/2025	Sampled
EMP-17B	4/15/2025	Sampled
EMP-17C	4/28/2025	Not sampled; location dry
EMP-020	4/28/2025	Not sampled; location dry

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

Table 2
Grassy Valley Monthly Groundwater Analytical Results - April 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-24B	GVMW-25	GMW-26A	GVMW-26B
				Sample Date	4/8/2025	4/1/2025	4/1/2025	4/1/2025	4/1/2025	4/8/2025	4/9/2025	4/9/2025	4/1/2025	4/1/2025	4/9/2025	4/28/2025	4/1/2025	4/1/2025
Aluminum - Dissolved	5	**7**	mg/L		<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	0.38	<0.080	<0.080	2.79	**438**	<0.080	<0.080
Ammonia	NA	NA	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.043	0.04	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Antimony - Dissolved	**0.006**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<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	0.00121	**0.0859**	<0.00100	<0.00100
Barium - Dissolved	**2**	NA	mg/L		0.17	0.206	0.0302	<0.0020	0.0074	0.0147	0.0528	0.016	0.103	0.0612	0.0114	0.0114	0.201	0.112
Beryllium - Dissolved	**0.004**	NA	mg/L		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.0295**	<0.00200	<0.00200	**0.00992**	**0.352**	<0.00200	<0.00200
Boron - Total	**0.75**	NA	mg/L		<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	0.0616	<0.0400	0.0484	<0.0400	<0.0400	0.0614	<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	**0.009**	**0.921**	<0.0020	<0.0020
Chloride - Total	**250**	NA	mg/L		5.1	18.1	9.07	63.5	40.1	5.52	1.62	1.41	4.07	5.68	13.1	21	1.33	1.93
Chromium - Dissolved	**0.1**	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	**0.0064**	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	**0.0064**	0.0336	<0.0060	<0.0060
Cobalt - Dissolved	**0.05**	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0308	**0.0606**	<0.0060	<0.0060	<0.0060	**0.914**	<0.0060	<0.0060
Copper - Dissolved	**0.2**	**0.2**	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	0.0466	0.0121	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**1.54**	<0.0100	<0.0100
Cyanide - Free	**0.2**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<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	<0.0050	<0.0050	<0.0050
Cyanide - WAD	NA	**0.2**	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoride - Total F	**2**	**2**	mg/L		0.162	0.817	0.364	1.87	**2.17**	1.3	0.323	0.356	**2.16**	0.386	**3.26**	**87.3**	1.9	0.228
Iron - Dissolved	0.3	**14**	mg/L		7.51	1.26	<0.100	<0.100	<0.100	<0.100	**33.5**	**21.1**	<0.100	<0.100	0.158	1.66	<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	0.0499	<0.0075	<0.0075	<0.0075	0.0139	<0.0075	<0.0075
Lithium - Dissolved	**2.5**	NA	mg/L		<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.272	<0.040	<0.040
Manganese - Dissolved	0.05	**3**	mg/L		1.9	0.244	<0.0080	<0.0080	<0.0080	1.8	1.94	1.28	<0.0080	<0.0080	2.74	**133**	<0.0080	<0.0080
Mercury - Dissolved	**0.002**	**0.002**	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Molybdenum - Dissolved	**0.21**	NA	mg/L		<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0481	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Nickel - Dissolved	**0.1**	NA	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0596	**0.105**	<0.0100	<0.0100	**0.118**	**1.55**	<0.0100	<0.0100
Nitrate as Nitrogen	**10**	**10**	mg/L		<0.050	<0.050	0.897	1.24	2.09	<0.050	0.058	<0.050	<0.050	0.139	2.14	3.86	<0.050	0.725
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		<0.100	<0.100	0.907	1.25	2.1	<0.100	<0.100	<0.100	<0.100	0.145	2.14	3.86	<0.100	0.725
Nitrite as Nitrogen	**1**	**1**	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.250	<0.050	<0.050
pH Field	6.5-8.5	**6.0-8.5**	pH units		6.48	7.1	6.43	6.52	6.5	6.8	6.46	**4.61**	7.83	6.29	6.14	**3.86**	7.95	6.21
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	0.00175	0.00999	<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	<0.0050	<0.0050	<0.0050	<0.0050
Sodium - Dissolved	NA	NA	mg/L		9.43	10.3	10.2	24.1	24.5	38.1	13.6	13.1	35.2	25.8	21.2	37.2	30.5	9.86
Sulfate - Total	**250**	NA	mg/L		64.8	25.5	61.6	64.9	86.1	**1,260**	193	**268**	32.4	106	**1,900**	**5,220**	14.7	20.9
Thallium - Dissolved	**0.002**	NA	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.00200	<0.000200	<0.000200
Total Dissolved Solids	NA	NA	mg/L		194	271	210	302	312	2,000	309	410	217	285	5,240	7,100	206	82
Uranium - Dissolved	**0.03**	NA	mg/L		0.000107	0.00476	0.000314	0.00497	0.00275	**0.0386**	<0.000100	0.00278	0.00334	0.00118	0.00541	**1.17**	0.00334	<0.000100
Vanadium - Dissolved	**0.1**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zinc - Dissolved	**2**	**2**	mg/L		0.0112	<0.0100	<0.0100	<0.0100	<0.0100	0.114	0.273	1.270	<0.0100	<0.0100	0.18	**33.6**	<0.0100	<0.0100

Notes:

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

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

ANALYTE	Reg 41 TVS	Site Wide NPL	UNIT	Well I.D.	GVMW-27	GVMW-28	GVMW-30	GVMW-33	GVMW-34	GVMW-35B	GVMW-36	GVMW-37A	GVMW-37B	OSABH-17	OSABH-16	Seep-2	EMP-16	EMP-17A	EMP-17B
				Sample Date	4/28/2025	4/29/2025	4/15/2025	4/30/2025	4/15/2025	4/15/2025	4/30/2025	4/2/2025	4/2/2025	4/9/2025	4/15/2025	4/28/2025	4/28/2025	4/28/2025	4/15/2025
Aluminum - Dissolved	5	**7**	mg/L		**117**	**991**	**247**	**294**	**21.9**	<0.080	**463**	<0.080	<0.080	**4,560**	**404**	**4,330**	**72.2**	2.84	**20.7**
Ammonia	NA	NA	mg/L		<0.030	<0.030	<0.150	0.18	<0.030	<0.030	0.038	<0.030	<0.030	0.065	<0.030	0.1	<0.030	<0.030	0.109
Antimony - Dissolved	**0.006**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00132	<0.00100	<0.0500	<0.00100	<0.100	<0.00100	<0.00100	<0.00100
Arsenic - Dissolved	**0.01**	NA	mg/L		**0.0263**	**0.151**	**0.0298**	**0.0847**	<0.00100	<0.00100	**0.0312**	0.00206	<0.00100	**0.446**	**0.052**	**5.21**	0.00927	<0.00100	0.00258
Barium - Dissolved	**2**	NA	mg/L		0.0148	0.0086	0.0134	0.0209	0.0312	0.0178	0.0123	0.0764	0.0768	<0.0200	0.0089	<0.0400	0.0226	0.0607	0.0377
Beryllium - Dissolved	**0.004**	NA	mg/L		**0.102**	**0.683**	**0.557**	**0.329**	**0.0198**	<0.00200	**0.126**	<0.00200	<0.00200	**0.78**	**0.341**	**0.419**	**0.0172**	<0.00200	0.00341
Boron - Total	**0.75**	NA	mg/L		<0.0400	<0.0400	<0.0400	<0.0400	0.0455	<0.0400	<0.0400	<0.0400	<0.0400	**1.77**	<0.0400	<0.800	<0.0400	<0.0400	<0.0400
Cadmium - Dissolved	**0.005**	**0.005**	mg/L		**0.31**	**2.07**	**0.198**	**0.676**	**0.0939**	<0.0020	**1.02**	<0.0020	<0.0020	**9.67**	**2.12**	**23.9**	**0.128**	**0.0095**	**0.126**
Chloride - Total	**250**	NA	mg/L		58.8	5.36	2.68	7.01	30.3	92.2	10	3.85	4.19	20	3.2	<10.0	6.35	2.53	<0.20
Chromium - Dissolved	**0.1**	NA	mg/L		0.0105	**0.155**	**0.128**	0.0113	<0.0060	<0.0060	0.0919	<0.0060	<0.0060	**1.01**	0.0214	**1.17**	0.0155	<0.0060	<0.0060
Cobalt - Dissolved	**0.05**	NA	mg/L		**0.267**	**1.92**	**0.263**	**0.439**	**0.0796**	<0.0060	**2.44**	<0.0060	<0.0060	**21.5**	**1.42**	**13.7**	**0.665**	0.039	**0.0862**
Copper - Dissolved	**0.2**	**0.2**	mg/L		**0.359**	**5.22**	0.154	**0.731**	0.0162	<0.0100	**2.13**	<0.0100	<0.0100	**18.1**	**2.09**	**56.5**	**0.251**	<0.0100	0.0953
Cyanide - Free	**0.2**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.0050	<0.0050	<0.0050
Cyanide - Total	NA	NA	mg/L		<0.0050	<0.0050	0.0135	<0.0050	0.0078	<0.0050	<0.0050	<0.0050	<0.0050	0.0296	0.0148	<0.0050	<0.0050	<0.0050	0.0082
Cyanide - WAD	NA	**0.2**	mg/L		<0.0050	<0.0500	<0.0500	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoride - Total F	**2**	**2**	mg/L		**19.7**	**171**	**42.5**	**17.2**	**36.5**	<0.500	**57.9**	1.47	1.96	**240**	**104**	**846**	**2.06**	**4.36**	**11.3**
Iron - Dissolved	0.3	**14**	mg/L		9.08	**55.6**	4.09	1.68	0.142	<0.100	10	<0.100	<0.100	**143**	10.4	**3,290**	5.34	0.268	0.446
Lead - Dissolved	**0.05**	NA	mg/L		<0.0075	0.0323	0.008	0.0212	<0.0075	<0.0075	0.0462	<0.0075	<0.0075	<0.0750	<0.0075	<0.150	0.026	<0.0075	<0.0075
Lithium - Dissolved	**2.5**	NA	mg/L		0.104	0.502	0.216	0.179	0.194	<0.040	0.369	<0.040	<0.040	2.45	0.379	1.98	0.081	<0.040	<0.040
Manganese - Dissolved	0.05	**3**	mg/L		**54.6**	**283**	**44.9**	**110**	**51.3**	0.125	**117**	0.078	0.0314	**1,570**	**404**	**2,090**	**20.8**	**6.91**	**19.6**
Mercury - Dissolved	**0.002**	**0.002**	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Molybdenum - Dissolved	**0.21**	NA	mg/L		<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0104	<0.0080	**0.0191**	<0.0080	<0.0800	<0.0080	<0.160	<0.0080	<0.0080	<0.0080
Nickel - Dissolved	**0.1**	NA	mg/L		**0.503**	**3.1**	**1.29**	**0.995**	**0.448**	<0.0100	**2.21**	<0.0100	<0.0100	**16.7**	**1.35**	**7.99**	**0.437**	0.0214	0.0877
Nitrate as Nitrogen	**10**	**10**	mg/L		1.84	2.47	1.78	3.5	**12.1**	**13.7**	3.25	<0.050	1.04	5.53	0.983	2.63	<0.050	<0.050	0.098
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		1.87	2.47	1.81	3.61	**12.1**	**13.7**	3.25	<0.100	1.06	5.53	1	<5.00	<0.100	<0.100	0.12
Nitrite as Nitrogen	**1**	**1**	mg/L		<0.050	<0.500	<0.250	<0.250	<0.250	<0.250	<0.250	<0.050	<0.050	<2.50	<0.250	<2.50	<0.050	<0.050	<0.050
pH Field	6.5-8.5	**6.0-8.5**	pH units		**4.57**	**3.29**	**3.56**	**3.98**	**5.71**	**8.97**	**3.28**	**9.16**	7.32	**2.85**	**3.37**	**2.52**	**3.33**	**4.6**	**4.83**
Selenium - Dissolved	0.02	**0.024**	mg/L		0.00284	0.021	0.00454	0.0152	0.0154	0.00469	0.00855	<0.00100	<0.00100	<0.0500	0.00995	<0.100	0.001	<0.00100	<0.00100
Silver - Dissolved	**0.05**	NA	mg/L		<0.0050	0.0135	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.0050	<0.100	<0.0050	<0.0050	<0.0050
Sodium - Dissolved	NA	NA	mg/L		59.9	32.5	40.9	208	47.6	16.1	28.7	36.4	30.2	10.5	21	15.9	4.64	2.5	19
Sulfate - Total	**250**	NA	mg/L		**1,920**	**10,100**	**4,160**	**4,060**	**2,920**	**1,350**	**5,460**	184	115	**37,800**	**5,360**	**43,500**	**1,040**	185	**715**
Thallium - Dissolved	**0.002**	NA	mg/L		<0.000200	<0.0200	<0.000200	0.000777	<0.00100	<0.000200	<0.000200	<0.000200	<0.000200	<0.0100	<0.00200	<0.0200	<0.000200	<0.000200	<0.000200
Total Dissolved Solids	NA	NA	mg/L		3,600	25,500	5,450	5,710	4,370	2,280	7,070	340	286	50,700	7,320	60,600	1,520	580	1,250
Uranium - Dissolved	**0.03**	NA	mg/L		**0.433**	**3.29**	**0.65**	**1.16**	**0.0341**	0.00667	**2**	0.00312	0.00286	**13.9**	**2.67**	**39**	**0.227**	0.000715	**0.0516**
Vanadium - Dissolved	**0.1**	NA	mg/L		<0.0050	<0.0050	<0.0050	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	0.0084	**0.196**	<0.0050	<0.0050	<0.0050
Zinc - Dissolved	**2**	**2**	mg/L		**12.3**	**85.9**	**3.48**	**16.6**	**11.6**	0.0112	**43.5**	<0.0100	<0.0100	**352**	**77.2**	**1,030**	**6.6**	0.847	**7.28**

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

Attachment 1
Laboratory Analytical Reports

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: **X5D0024**
Reported: 17-Apr-25 09:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-26A	X5D0024-01	Ground Water	01-Apr-25 09:01	TR	02-Apr-2025	Q5
GVMW-26B	X5D0024-02	Ground Water	01-Apr-25 09:32	TR	02-Apr-2025	
GVMW-22A	X5D0024-03	Ground Water	01-Apr-25 11:30	JC	02-Apr-2025	
GVMW-22B	X5D0024-04	Ground Water	01-Apr-25 11:19	TR	02-Apr-2025	
GVMW-7A	X5D0024-05	Ground Water	01-Apr-25 13:31	JC	02-Apr-2025	
GVMW-7B	X5D0024-06	Ground Water	01-Apr-25 12:33	TR	02-Apr-2025	
GVMW-8A	X5D0024-07	Ground Water	01-Apr-25 14:55	TR	02-Apr-2025	
GVMW-8B	X5D0024-08	Ground Water	01-Apr-25 14:20	TR	02-Apr-2025	

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

Case Narrative: X5D0024

The state of origin only accredits for drinking water analyses.

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

N1 qualifier on D 200.7 Be indicating a reanalysis that did not confirm original result. The instrument had one injection that was elevated out of the three original injections that we reported from creating the elevated value.

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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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X5D0024-01 (Ground Water)**

Sampled: 01-Apr-25 09:01
Received: 02-Apr-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**	28.9	mg/L	0.100	0.069		X515039	SJN	04/11/25 09:56	
EPA 200.7	**Magnesium**	6.41	mg/L	0.500	0.090		X515039	SJN	04/11/25 09:56	
EPA 200.7	**Potassium**	0.98	mg/L	0.50	0.18		X515039	SJN	04/11/25 09:56	
SM 2340 B	**Hardness (as CaCO3)**	104	mg/L	2.31	0.543		N/A		04/11/25 09:56	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514227	NMS	04/08/25 11:46	
EPA 200.7	**Barium**	0.201	mg/L	0.0020	0.0019		X514227	NMS	04/08/25 11:46	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514227	NMS	04/08/25 11:46	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514227	NMS	04/08/25 11:46	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514227	NMS	04/08/25 11:46	
EPA 200.7	**Calcium**	30.4	mg/L	0.100	0.069		X514227	NMS	04/08/25 11:46	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X514227	NMS	04/08/25 11:46	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514227	NMS	04/08/25 11:46	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X514227	NMS	04/08/25 11:46	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X514227	NMS	04/08/25 11:46	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514227	NMS	04/08/25 11:46	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514227	NMS	04/08/25 11:46	
EPA 200.7	**Magnesium**	6.93	mg/L	0.500	0.090		X514227	NMS	04/08/25 11:46	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 11:46	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 11:46	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514227	NMS	04/08/25 11:46	
EPA 200.7	**Potassium**	1.01	mg/L	0.50	0.18		X514227	NMS	04/08/25 11:46	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 11:46	
EPA 200.7	**Sodium**	30.5	mg/L	0.50	0.12		X514227	NMS	04/08/25 11:46	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 11:46	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 11:46	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 10:47	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 10:47	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 10:47	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 10:47	
EPA 200.8	**Uranium**	0.00334	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 10:47	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515028	MAC	04/11/25 14:47	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/04/25 09:10	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 10:58	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515052	DD	04/09/25 12:30	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 15:53	
SM 2310 B	**Acidity to pH 8.3**	-150	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	159	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:43	
SM 2320 B	**Bicarbonate**	159	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:43	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:43	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:43	
SM 2540 C	**Total Diss. Solids**	206	mg/L	10			X514179	TJL	04/04/25 12:35	
SM 2540 D	**Total Susp. Solids**	15.0	mg/L	5.0			X514180	TJL	04/04/25 13:05	
SM 4500 H B	**pH @18.3°C**	7.9	pH Units				X514190	MWD	04/03/25 12:43	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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X5D0024-01 (Ground Water)**

Sampled: 01-Apr-25 09:01
Received: 02-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.33	mg/L	0.20	0.02		X514144	RS	04/02/25 19:58	
EPA 300.0	**Fluoride**	1.90	mg/L	0.100	0.017		X514144	RS	04/02/25 19:58	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X514144	RS	04/02/25 19:58	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X514144	RS	04/02/25 19:58	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514144	RS	04/02/25 19:58	
EPA 300.0	**Sulfate as SO4**	14.7	mg/L	0.30	0.18		X514144	RS	04/02/25 19:58	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.34 meq/L Anion Sum: 3.62 meq/L C/A Balance: -4.11 % Calculated TDS: 181 TDS/cTDS: 1.14

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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X5D0024-02 (Ground Water)**

Sampled: 01-Apr-25 09:32
Received: 02-Apr-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**	9.81	mg/L	0.100	0.069		X515039	SJN	04/11/25 10:07	
EPA 200.7	**Magnesium**	1.94	mg/L	0.500	0.090		X515039	SJN	04/11/25 10:07	
EPA 200.7	**Potassium**	0.71	mg/L	0.50	0.18		X515039	SJN	04/11/25 10:07	
SM 2340 B	**Hardness (as CaCO3)**	32.5	mg/L	2.31	0.543		N/A		04/08/25 11:50	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514227	NMS	04/08/25 11:50	
EPA 200.7	**Barium**	0.110	mg/L	0.0020	0.0019		X514227	NMS	04/08/25 11:50	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514227	NMS	04/08/25 11:50	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514227	NMS	04/08/25 11:50	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514227	NMS	04/08/25 11:50	
EPA 200.7	**Calcium**	11.0	mg/L	0.100	0.069		X514227	NMS	04/08/25 11:50	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X514227	NMS	04/08/25 11:50	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514227	NMS	04/08/25 11:50	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X514227	NMS	04/08/25 11:50	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X514227	NMS	04/08/25 11:50	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514227	NMS	04/08/25 11:50	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514227	NMS	04/08/25 11:50	
EPA 200.7	**Magnesium**	2.41	mg/L	0.500	0.090		X514227	NMS	04/08/25 11:50	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 11:50	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 11:50	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514227	NMS	04/08/25 11:50	
EPA 200.7	**Potassium**	0.70	mg/L	0.50	0.18		X514227	NMS	04/08/25 11:50	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 11:50	
EPA 200.7	**Sodium**	9.90	mg/L	0.50	0.12		X514227	NMS	04/08/25 11:50	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 11:50	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 11:50	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 10:49	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 10:49	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 10:49	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 10:49	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 10:49	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515028	MAC	04/11/25 14:49	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/08/25 09:54	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 11:00	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515052	DD	04/09/25 12:32	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 15:55	
SM 2310 B	**Acidity to pH 8.3**	-35.5	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	35.3	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:49	
SM 2320 B	**Bicarbonate**	35.3	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:49	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:49	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:49	
SM 2540 C	**Total Diss. Solids**	90	mg/L	10			X514179	TJL	04/04/25 12:35	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X514180	TJL	04/04/25 13:05	
SM 4500 H B	**pH @18.4°C**	6.6	pH Units				X514190	MWD	04/03/25 12:49	H5

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

One Government Gulch - PO Box 929
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(208) 784-1258
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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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X5D0024-02 (Ground Water)**

Sampled: 01-Apr-25 09:32
Received: 02-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.86	mg/L	0.20	0.02		X514144	RS	04/02/25 20:14	
EPA 300.0	**Fluoride**	0.215	mg/L	0.100	0.017		X514144	RS	04/02/25 20:14	
EPA 300.0	**Nitrate as N**	0.704	mg/L	0.050	0.013		X514144	RS	04/02/25 20:14	
EPA 300.0	**Nitrate+Nitrite as N**	0.708	mg/L	0.100	0.044		X514144	RS	04/02/25 20:14	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514144	RS	04/02/25 20:14	
EPA 300.0	**Sulfate as SO4**	22.4	mg/L	0.30	0.18		X514144	RS	04/02/25 20:14	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.11 meq/L Anion Sum: 1.29 meq/L C/A Balance: -7.25 % Calculated TDS: 72 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

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
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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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X5D0024-03 (Ground Water)**

Sampled: 01-Apr-25 11:30
Received: 02-Apr-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**	28.6	mg/L	0.100	0.069		X515039	SJN	04/11/25 10:11	
EPA 200.7	**Magnesium**	11.4	mg/L	0.500	0.090		X515039	SJN	04/11/25 10:11	
EPA 200.7	**Potassium**	1.28	mg/L	0.50	0.18		X515039	SJN	04/11/25 10:11	
SM 2340 B	**Hardness (as CaCO3)**	119	mg/L	2.31	0.543		N/A		04/08/25 11:54	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514227	NMS	04/08/25 11:54	
EPA 200.7	**Barium**	0.103	mg/L	0.0020	0.0019		X514227	NMS	04/08/25 11:54	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514227	NMS	04/08/25 11:54	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514227	NMS	04/08/25 11:54	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514227	NMS	04/08/25 11:54	
EPA 200.7	**Calcium**	29.0	mg/L	0.100	0.069		X514227	NMS	04/08/25 11:54	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X514227	NMS	04/08/25 11:54	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514227	NMS	04/08/25 11:54	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X514227	NMS	04/08/25 11:54	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X514227	NMS	04/08/25 11:54	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514227	NMS	04/08/25 11:54	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514227	NMS	04/08/25 11:54	
EPA 200.7	**Magnesium**	11.8	mg/L	0.500	0.090		X514227	NMS	04/08/25 11:54	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 11:54	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 11:54	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514227	NMS	04/08/25 11:54	
EPA 200.7	**Potassium**	1.33	mg/L	0.50	0.18		X514227	NMS	04/08/25 11:54	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 11:54	
EPA 200.7	**Sodium**	35.2	mg/L	0.50	0.12		X514227	NMS	04/08/25 11:54	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 11:54	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 11:54	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 10:52	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 10:52	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 10:52	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 10:52	
EPA 200.8	**Uranium**	0.00334	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 10:52	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515028	MAC	04/11/25 14:52	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/04/25 09:15	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 11:03	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515052	DD	04/09/25 12:35	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 16:09	
SM 2310 B	**Acidity to pH 8.3**	-169	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	166	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:54	
SM 2320 B	**Bicarbonate**	166	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:54	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:54	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 12:54	
SM 2540 C	**Total Diss. Solids**	217	mg/L	10			X514179	TJL	04/04/25 12:35	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X514180	TJL	04/04/25 13:05	
SM 4500 H B	**pH @18.3°C**	7.9	pH Units				X514190	MWD	04/03/25 12:54	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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X5D0024-03 (Ground Water)**

Sampled: 01-Apr-25 11:30
Received: 02-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.07	mg/L	0.20	0.02		X514144	RS	04/02/25 20:29	
EPA 300.0	**Fluoride**	2.16	mg/L	0.100	0.017		X514144	RS	04/02/25 20:29	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X514144	RS	04/02/25 20:29	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X514144	RS	04/02/25 20:29	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514144	RS	04/02/25 20:29	
EPA 300.0	**Sulfate as SO4**	32.4	mg/L	0.30	0.18		X514144	RS	04/02/25 20:29	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.94 meq/L Anion Sum: 4.22 meq/L C/A Balance: -3.42 % Calculated TDS: 215 TDS/cTDS: 1.01

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Cripple Creek & Victor Gold Mining Company
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X5D0024-04 (Ground Water)**

Sampled: 01-Apr-25 11:19
Received: 02-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	35.5	mg/L	0.100	0.069		X515039	SJN	04/11/25 10:15	
EPA 200.7	**Magnesium**	9.80	mg/L	0.500	0.090		X515039	SJN	04/11/25 10:15	
EPA 200.7	**Potassium**	1.67	mg/L	0.50	0.18		X515039	SJN	04/11/25 10:15	
SM 2340 B	**Hardness (as CaCO3)**	134	mg/L	2.31	0.543		N/A		04/11/25 10:15	
SM 2340 B	**Hardness (as CaCO3)**	142	mg/L	2.31	0.543		N/A		04/16/25 15:22	
SM 2340 B	**Hardness (as CaCO3)**	142	mg/L	2.31	0.543		N/A		04/16/25 15:26	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X5D0024-04 (Ground Water)**

Sampled: 01-Apr-25 11:19
Received: 02-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	**Barium**	0.0565	mg/L	0.0020	0.0019		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	**Barium**	0.0562	mg/L	0.0020	0.0019		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X516143	SJN	04/16/25 15:22	N1
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X516143	SJN	04/16/25 15:26	N1
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	**Calcium**	38.7	mg/L	0.100	0.069		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	**Calcium**	38.6	mg/L	0.100	0.069		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	**Magnesium**	11.1	mg/L	0.500	0.090		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	**Magnesium**	11.0	mg/L	0.500	0.090		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	**Potassium**	1.79	mg/L	0.50	0.18		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	**Potassium**	1.80	mg/L	0.50	0.18		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	**Sodium**	25.7	mg/L	0.50	0.12		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	**Sodium**	25.8	mg/L	0.50	0.12		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X516143	SJN	04/16/25 15:26	N10
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 12:06	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X516143	SJN	04/16/25 15:22	N10
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X516143	SJN	04/16/25 15:26	N10
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 10:54	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 10:54	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 10:54	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 10:54	
EPA 200.8	**Uranium**	0.00118	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 10:54	

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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X5D0024-04 (Ground Water)**

Sampled: 01-Apr-25 11:19
Received: 02-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515028	MAC	04/11/25 14:54	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/04/25 09:17	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 11:04	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515052	DD	04/09/25 12:37	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 16:11	
SM 2310 B	**Acidity to pH 8.3**	-83.3	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	85.9	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:00	
SM 2320 B	**Bicarbonate**	85.9	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:00	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:00	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:00	
SM 2540 C	**Total Diss. Solids**	285	mg/L	10			X514179	TJL	04/04/25 12:35	
SM 2540 D	**Total Susp. Solids**	12.0	mg/L	5.0			X514180	TJL	04/04/25 13:05	
SM 4500 H B	**pH @18.3°C**	6.8	pH Units				X514190	MWD	04/03/25 13:00	H5
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.68	mg/L	0.20	0.02		X514144	RS	04/02/25 21:00	
EPA 300.0	**Fluoride**	0.386	mg/L	0.100	0.017		X514144	RS	04/02/25 21:00	
EPA 300.0	**Nitrate as N**	0.139	mg/L	0.050	0.013		X514144	RS	04/02/25 21:00	
EPA 300.0	**Nitrate+Nitrite as N**	0.145	mg/L	0.100	0.044		X514144	RS	04/02/25 21:00	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514144	RS	04/02/25 21:00	
EPA 300.0	**Sulfate as SO4**	106	mg/L	3.00	1.80	10	X514144	RS	04/02/25 21:16	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.75 meq/L Anion Sum: 4.11 meq/L C/A Balance: -4.60 % Calculated TDS: 240 TDS/cTDS: 1.19

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

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X5D0024-05 (Ground Water)**

Sampled: 01-Apr-25 13:31
Received: 02-Apr-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**	45.2	mg/L	0.100	0.069		X515039	SJN	04/11/25 10:18	
EPA 200.7	**Magnesium**	19.9	mg/L	0.500	0.090		X515039	SJN	04/11/25 10:18	
EPA 200.7	**Potassium**	0.94	mg/L	0.50	0.18		X515039	SJN	04/11/25 10:18	
SM 2340 B	**Hardness (as CaCO3)**	207	mg/L	2.31	0.543		N/A		04/11/25 10:18	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514227	NMS	04/08/25 12:10	
EPA 200.7	**Barium**	0.206	mg/L	0.0020	0.0019		X514227	NMS	04/08/25 12:10	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514227	NMS	04/08/25 12:10	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514227	NMS	04/08/25 12:10	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514227	NMS	04/08/25 12:10	
EPA 200.7	**Calcium**	46.7	mg/L	0.100	0.069		X514227	NMS	04/08/25 12:10	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X514227	NMS	04/08/25 12:10	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514227	NMS	04/08/25 12:10	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X514227	NMS	04/08/25 12:10	
EPA 200.7	**Iron**	1.26	mg/L	0.100	0.056		X514227	NMS	04/08/25 12:10	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514227	NMS	04/08/25 12:10	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514227	NMS	04/08/25 12:10	
EPA 200.7	**Magnesium**	21.9	mg/L	0.500	0.090		X514227	NMS	04/08/25 12:10	
EPA 200.7	**Manganese**	0.244	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:10	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:10	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514227	NMS	04/08/25 12:10	
EPA 200.7	**Potassium**	0.97	mg/L	0.50	0.18		X514227	NMS	04/08/25 12:10	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:10	
EPA 200.7	**Sodium**	10.3	mg/L	0.50	0.12		X514227	NMS	04/08/25 12:10	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:10	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 12:10	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 10:57	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 10:57	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 10:57	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 10:57	
EPA 200.8	**Uranium**	0.00476	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 10:57	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515028	MAC	04/11/25 14:56	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/04/25 09:29	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 11:06	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515052	DD	04/09/25 12:40	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 16:13	
SM 2310 B	**Acidity to pH 8.3**	-189	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	185	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:05	
SM 2320 B	**Bicarbonate**	185	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:05	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:05	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:05	
SM 2540 C	**Total Diss. Solids**	271	mg/L	10			X514179	TJL	04/04/25 12:35	
SM 2540 D	**Total Susp. Solids**	5.0	mg/L	5.0			X514180	TJL	04/04/25 13:05	
SM 4500 H B	**pH @18.5°C**	7.5	pH Units				X514190	MWD	04/03/25 13:05	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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X5D0024-05 (Ground Water)**

Sampled: 01-Apr-25 13:31
Received: 02-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	18.1	mg/L	2.00	0.22	10	X514144	RS	04/02/25 21:47	
EPA 300.0	**Fluoride**	0.817	mg/L	0.100	0.017		X514144	RS	04/02/25 21:31	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X514144	RS	04/02/25 21:31	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X514144	RS	04/02/25 21:31	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514144	RS	04/02/25 21:31	
EPA 300.0	**Sulfate as SO4**	25.5	mg/L	0.30	0.18		X514144	RS	04/02/25 21:31	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.43 meq/L Anion Sum: 4.78 meq/L C/A Balance: -3.81 % Calculated TDS: 234 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

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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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X5D0024-06 (Ground Water)**

Sampled: 01-Apr-25 12:33
Received: 02-Apr-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**	28.4	mg/L	0.100	0.069		X515039	SJN	04/11/25 10:22	
EPA 200.7	**Magnesium**	9.95	mg/L	0.500	0.090		X515039	SJN	04/11/25 10:22	
EPA 200.7	**Potassium**	0.92	mg/L	0.50	0.18		X515039	SJN	04/11/25 10:22	
SM 2340 B	**Hardness (as CaCO3)**	112	mg/L	2.31	0.543		N/A		04/08/25 12:14	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514227	NMS	04/08/25 12:14	
EPA 200.7	**Barium**	0.0302	mg/L	0.0020	0.0019		X514227	NMS	04/08/25 12:14	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514227	NMS	04/08/25 12:14	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514227	NMS	04/08/25 12:14	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514227	NMS	04/08/25 12:14	
EPA 200.7	**Calcium**	29.7	mg/L	0.100	0.069		X514227	NMS	04/08/25 12:14	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X514227	NMS	04/08/25 12:14	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514227	NMS	04/08/25 12:14	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X514227	NMS	04/08/25 12:14	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X514227	NMS	04/08/25 12:14	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514227	NMS	04/08/25 12:14	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514227	NMS	04/08/25 12:14	
EPA 200.7	**Magnesium**	11.3	mg/L	0.500	0.090		X514227	NMS	04/08/25 12:14	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:14	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:14	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514227	NMS	04/08/25 12:14	
EPA 200.7	**Potassium**	0.79	mg/L	0.50	0.18		X514227	NMS	04/08/25 12:14	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:14	
EPA 200.7	**Sodium**	10.2	mg/L	0.50	0.12		X514227	NMS	04/08/25 12:14	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:14	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 12:14	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 11:04	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 11:04	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 11:04	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 11:04	
EPA 200.8	**Uranium**	0.000314	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 11:04	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515028	MAC	04/11/25 14:58	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/04/25 09:31	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 11:08	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515052	DD	04/09/25 12:42	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 16:15	
SM 2310 B	**Acidity to pH 8.3**	-64.2	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	62.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:10	
SM 2320 B	**Bicarbonate**	62.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:10	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:10	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:10	
SM 2540 C	**Total Diss. Solids**	210	mg/L	10			X514179	TJL	04/04/25 12:35	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X514180	TJL	04/04/25 13:05	
SM 4500 H B	**pH @18.7°C**	6.6	pH Units				X514190	MWD	04/03/25 13:10	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X5D0024-06 (Ground Water)**

Sampled: 01-Apr-25 12:33
Received: 02-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	9.07	mg/L	0.20	0.02		X514144	RS	04/02/25 22:33	
EPA 300.0	**Fluoride**	0.364	mg/L	0.100	0.017		X514144	RS	04/02/25 22:33	
EPA 300.0	**Nitrate as N**	0.897	mg/L	0.050	0.013		X514144	RS	04/02/25 22:33	
EPA 300.0	**Nitrate+Nitrite as N**	0.907	mg/L	0.100	0.044		X514144	RS	04/02/25 22:33	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514144	RS	04/02/25 22:33	
EPA 300.0	**Sulfate as SO4**	61.6	mg/L	7.50	4.50	25	X514144	RS	04/02/25 22:49	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 2.71 meq/L Anion Sum: 2.86 meq/L C/A Balance: -2.65 % Calculated TDS: 163 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

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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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X5D0024-07 (Ground Water)**

Sampled: 01-Apr-25 14:55
Received: 02-Apr-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**	46.4	mg/L	0.100	0.069		X515039	SJN	04/11/25 10:36	
EPA 200.7	**Magnesium**	5.76	mg/L	0.500	0.090		X515039	SJN	04/11/25 10:36	
EPA 200.7	**Potassium**	0.70	mg/L	0.50	0.18		X515039	SJN	04/11/25 10:36	
SM 2340 B	**Hardness (as CaCO3)**	143	mg/L	2.31	0.543		N/A		04/11/25 10:36	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514227	NMS	04/08/25 12:18	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X514227	NMS	04/08/25 12:18	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514227	NMS	04/08/25 12:18	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514227	NMS	04/08/25 12:18	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514227	NMS	04/08/25 12:18	
EPA 200.7	**Calcium**	50.3	mg/L	0.100	0.069		X514227	NMS	04/08/25 12:18	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X514227	NMS	04/08/25 12:18	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514227	NMS	04/08/25 12:18	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X514227	NMS	04/08/25 12:18	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X514227	NMS	04/08/25 12:18	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514227	NMS	04/08/25 12:18	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514227	NMS	04/08/25 12:18	
EPA 200.7	**Magnesium**	6.64	mg/L	0.500	0.090		X514227	NMS	04/08/25 12:18	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:18	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:18	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514227	NMS	04/08/25 12:18	
EPA 200.7	**Potassium**	0.70	mg/L	0.50	0.18		X514227	NMS	04/08/25 12:18	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:18	
EPA 200.7	**Sodium**	24.1	mg/L	0.50	0.12		X514227	NMS	04/08/25 12:18	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:18	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 12:18	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 11:07	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 11:07	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 11:07	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 11:07	
EPA 200.8	**Uranium**	0.00497	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 11:07	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515028	MAC	04/11/25 15:00	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/04/25 09:33	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 11:11	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515052	DD	04/09/25 12:44	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 16:18	
SM 2310 B	**Acidity to pH 8.3**	-54.6	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	51.1	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:24	
SM 2320 B	**Bicarbonate**	51.1	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:24	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:24	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:24	
SM 2540 C	**Total Diss. Solids**	302	mg/L	10			X514179	TJL	04/04/25 12:35	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X514180	TJL	04/04/25 13:05	
SM 4500 H B	**pH @19.0°C**	7.0	pH Units				X514190	MWD	04/03/25 13:24	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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X5D0024-07 (Ground Water)**

Sampled: 01-Apr-25 14:55
Received: 02-Apr-25
Sampled By: TR

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	X514144	RS	04/02/25 23:20	
EPA 300.0	**Fluoride**	1.87	mg/L	0.100	0.017		X514144	RS	04/02/25 23:05	
EPA 300.0	**Nitrate as N**	1.24	mg/L	0.050	0.013		X514144	RS	04/02/25 23:05	
EPA 300.0	**Nitrate+Nitrite as N**	1.25	mg/L	0.100	0.044		X514144	RS	04/02/25 23:05	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514144	RS	04/02/25 23:05	
EPA 300.0	**Sulfate as SO4**	64.9	mg/L	3.00	1.80	10	X514144	RS	04/02/25 23:20	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.87 meq/L Anion Sum: 4.35 meq/L C/A Balance: -5.87 % Calculated TDS: 246 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

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

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X5D0024-08 (Ground Water)**

Sampled: 01-Apr-25 14:20
Received: 02-Apr-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**	41.2	mg/L	0.100	0.069		X515039	SJN	04/11/25 10:40	
EPA 200.7	**Magnesium**	6.28	mg/L	0.500	0.090		X515039	SJN	04/11/25 10:40	
EPA 200.7	**Potassium**	1.24	mg/L	0.50	0.18		X515039	SJN	04/11/25 10:40	
SM 2340 B	**Hardness (as CaCO3)**	140	mg/L	2.31	0.543		N/A		04/11/25 10:40	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514227	NMS	04/08/25 12:22	
EPA 200.7	**Barium**	0.0074	mg/L	0.0020	0.0019		X514227	NMS	04/08/25 12:22	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514227	NMS	04/08/25 12:22	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514227	NMS	04/08/25 12:22	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514227	NMS	04/08/25 12:22	
EPA 200.7	**Calcium**	44.3	mg/L	0.100	0.069		X514227	NMS	04/08/25 12:22	
EPA 200.7	**Chromium**	0.0064	mg/L	0.0060	0.0020		X514227	NMS	04/08/25 12:22	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514227	NMS	04/08/25 12:22	
EPA 200.7	**Copper**	0.0466	mg/L	0.0100	0.0027		X514227	NMS	04/08/25 12:22	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X514227	NMS	04/08/25 12:22	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514227	NMS	04/08/25 12:22	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514227	NMS	04/08/25 12:22	
EPA 200.7	**Magnesium**	7.16	mg/L	0.500	0.090		X514227	NMS	04/08/25 12:22	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:22	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:22	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514227	NMS	04/08/25 12:22	
EPA 200.7	**Potassium**	1.35	mg/L	0.50	0.18		X514227	NMS	04/08/25 12:22	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:22	
EPA 200.7	**Sodium**	24.5	mg/L	0.50	0.12		X514227	NMS	04/08/25 12:22	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:22	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 12:22	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 11:09	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 11:09	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 11:09	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 11:09	
EPA 200.8	**Uranium**	0.00275	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 11:09	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515028	MAC	04/11/25 15:02	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/04/25 09:35	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 11:21	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515052	DD	04/09/25 12:47	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 16:20	
SM 2310 B	**Acidity to pH 8.3**	-35.5	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	39.9	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:29	
SM 2320 B	**Bicarbonate**	39.9	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:29	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:29	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:29	
SM 2540 C	**Total Diss. Solids**	312	mg/L	10			X514179	TJL	04/04/25 12:35	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X514180	TJL	04/04/25 13:05	
SM 4500 H B	**pH @18.8°C**	6.9	pH Units				X514190	MWD	04/03/25 13:29	H5

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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: **X5D0024**
Reported: 17-Apr-25 09:49

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X5D0024-08 (Ground Water)**

Sampled: 01-Apr-25 14:20
Received: 02-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	40.1	mg/L	2.00	0.22	10	X514144	RS	04/02/25 23:51	
EPA 300.0	**Fluoride**	2.17	mg/L	0.100	0.017		X514144	RS	04/02/25 23:36	
EPA 300.0	**Nitrate as N**	2.09	mg/L	0.050	0.013		X514144	RS	04/02/25 23:36	
EPA 300.0	**Nitrate+Nitrite as N**	2.10	mg/L	0.100	0.044		X514144	RS	04/02/25 23:36	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514144	RS	04/02/25 23:36	
EPA 300.0	**Sulfate as SO4**	86.1	mg/L	3.00	1.80	10	X514144	RS	04/02/25 23:51	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.68 meq/L Anion Sum: 3.99 meq/L C/A Balance: -3.92 % Calculated TDS: 237 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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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: **X5D0024**
Reported: 17-Apr-25 09:49

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	X515039	11-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X515039	11-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X515039	11-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X514227	08-Apr-25	
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X516143	16-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X514227	08-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X516143	16-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X514227	08-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X516143	16-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X514227	08-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X516143	16-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X514227	08-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X516143	16-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X514227	08-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X516143	16-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X514227	08-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X516143	16-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X514227	08-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X516143	16-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X514227	08-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X516143	16-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X514227	08-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X516143	16-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X514227	08-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X516143	16-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X514227	08-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X516143	16-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514227	08-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X516143	16-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X514227	08-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X516143	16-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X514227	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X516143	16-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X514227	08-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X516143	16-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514227	08-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X516143	16-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X514227	08-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X516143	16-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X514227	08-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X516143	16-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X514227	08-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X516143	16-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X514227	08-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X516143	16-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X515160	14-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X515160	14-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X515160	14-Apr-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X515160	14-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X515160	14-Apr-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X515028	11-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: **X5D0024**
Reported: 17-Apr-25 09:49

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
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	X514221	10-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X515052	09-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X515092	11-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X514190	03-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X514190	03-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X514190	03-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X514190	03-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X514179	04-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X514180	04-Apr-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X514144	02-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X514144	02-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X514144	02-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X514144	02-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X514144	02-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X514144	02-Apr-25	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	18.0	20.0	90	85 - 115	X515039	11-Apr-25	
EPA 200.7	Magnesium	mg/L	17.8	20.0	88.8	85 - 115	X515039	11-Apr-25	
EPA 200.7	Potassium	mg/L	18.1	20.0	90.6	85 - 115	X515039	11-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.941	1.00	94.1	85 - 115	X514227	08-Apr-25	
EPA 200.7	Aluminum	mg/L	0.983	1.00	98.3	85 - 115	X516143	16-Apr-25	
EPA 200.7	Barium	mg/L	0.993	1.00	99.3	85 - 115	X514227	08-Apr-25	
EPA 200.7	Barium	mg/L	0.995	1.00	99.5	85 - 115	X516143	16-Apr-25	
EPA 200.7	Beryllium	mg/L	0.985	1.00	98.5	85 - 115	X514227	08-Apr-25	
EPA 200.7	Beryllium	mg/L	0.988	1.00	98.8	85 - 115	X516143	16-Apr-25	
EPA 200.7	Boron	mg/L	0.983	1.00	98.3	85 - 115	X514227	08-Apr-25	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X516143	16-Apr-25	
EPA 200.7	Cadmium	mg/L	0.973	1.00	97.3	85 - 115	X514227	08-Apr-25	
EPA 200.7	Cadmium	mg/L	0.982	1.00	98.2	85 - 115	X516143	16-Apr-25	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.6	85 - 115	X514227	08-Apr-25	
EPA 200.7	Calcium	mg/L	19.4	20.0	97.0	85 - 115	X516143	16-Apr-25	
EPA 200.7	Chromium	mg/L	0.982	1.00	98.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Chromium	mg/L	0.985	1.00	98.5	85 - 115	X516143	16-Apr-25	
EPA 200.7	Cobalt	mg/L	0.965	1.00	96.5	85 - 115	X514227	08-Apr-25	
EPA 200.7	Cobalt	mg/L	0.961	1.00	96.1	85 - 115	X516143	16-Apr-25	
EPA 200.7	Copper	mg/L	0.956	1.00	95.6	85 - 115	X514227	08-Apr-25	
EPA 200.7	Copper	mg/L	0.979	1.00	97.9	85 - 115	X516143	16-Apr-25	
EPA 200.7	Iron	mg/L	9.64	10.0	96.4	85 - 115	X514227	08-Apr-25	
EPA 200.7	Iron	mg/L	9.61	10.0	96.1	85 - 115	X516143	16-Apr-25	
EPA 200.7	Lead	mg/L	0.984	1.00	98.4	85 - 115	X514227	08-Apr-25	
EPA 200.7	Lead	mg/L	0.979	1.00	97.9	85 - 115	X516143	16-Apr-25	
EPA 200.7	Lithium	mg/L	0.991	1.00	99.1	85 - 115	X514227	08-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: **X5D0024**
Reported: 17-Apr-25 09:49

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	Lithium	mg/L	0.966	1.00	96.6	85 - 115	X516143	16-Apr-25	
EPA 200.7	Magnesium	mg/L	19.6	20.0	98.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Magnesium	mg/L	19.5	20.0	97.4	85 - 115	X516143	16-Apr-25	
EPA 200.7	Manganese	mg/L	0.987	1.00	98.7	85 - 115	X514227	08-Apr-25	
EPA 200.7	Manganese	mg/L	0.981	1.00	98.1	85 - 115	X516143	16-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.972	1.00	97.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.990	1.00	99.0	85 - 115	X516143	16-Apr-25	
EPA 200.7	Nickel	mg/L	0.971	1.00	97.1	85 - 115	X514227	08-Apr-25	
EPA 200.7	Nickel	mg/L	0.957	1.00	95.7	85 - 115	X516143	16-Apr-25	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Potassium	mg/L	19.8	20.0	99.2	85 - 115	X516143	16-Apr-25	
EPA 200.7	Silver	mg/L	0.0461	0.0500	92.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Silver	mg/L	0.0489	0.0500	97.8	85 - 115	X516143	16-Apr-25	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.6	85 - 115	X516143	16-Apr-25	
EPA 200.7	Vanadium	mg/L	0.974	1.00	97.4	85 - 115	X514227	08-Apr-25	
EPA 200.7	Vanadium	mg/L	0.996	1.00	99.6	85 - 115	X516143	16-Apr-25	
EPA 200.7	Zinc	mg/L	0.976	1.00	97.6	85 - 115	X514227	08-Apr-25	
EPA 200.7	Zinc	mg/L	0.981	1.00	98.1	85 - 115	X516143	16-Apr-25	
EPA 200.8	Antimony	mg/L	0.0274	0.0250	110	85 - 115	X515160	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0265	0.0250	106	85 - 115	X515160	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0257	0.0250	103	85 - 115	X515160	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0278	0.0250	111	85 - 115	X515160	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0285	0.0250	114	85 - 115	X515160	14-Apr-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00204	0.00200	102	85 - 115	X515028	11-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	0.104	0.100	104	90 - 110	X514221	10-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.974	1.00	97.4	90 - 110	X515052	09-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.100	103	90 - 110	X515092	11-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	94 - 106	X514190	03-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X514180	04-Apr-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	99.0	90 - 110	X514144	02-Apr-25	
EPA 300.0	Fluoride	mg/L	2.01	2.00	101	90 - 110	X514144	02-Apr-25	
EPA 300.0	Nitrate as N	mg/L	1.98	2.00	99.0	90 - 110	X514144	02-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	4.50	101	90 - 110	X514144	02-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.58	2.50	103	90 - 110	X514144	02-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.1	10.0	101	90 - 110	X514144	02-Apr-25	

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Cripple Creek & Victor Gold Mining Company
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0024**
Reported: 17-Apr-25 09:49

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	X515176 - X5D0024-01	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	35.9	35.3	1.7	20	X514190 - X5D0024-02	03-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	35.9	35.3	1.7	20	X514190 - X5D0024-02	03-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X514190 - X5D0024-02	03-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X514190 - X5D0024-02	03-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	224	217	3.2	10	X514179 - X5D0024-03	04-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	358	350	2.3	10	X514179 - X5D0030-01	04-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X514180 - X5D0024-03	04-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X514180 - X5D0030-01	04-Apr-25	
SM 4500 H B	pH @18.2°C	pH Units	6.6	6.6	1.1	20	X514190 - X5D0024-02	03-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	49.7	28.9	20.0	104	70 - 130	X515039 - X5D0024-01	11-Apr-25	
EPA 200.7	Calcium	mg/L	53.1	37.0	20.0	81	70 - 130	X515039 - X5D0052-01	11-Apr-25	
EPA 200.7	Magnesium	mg/L	25.8	6.41	20.0	96.8	70 - 130	X515039 - X5D0024-01	11-Apr-25	
EPA 200.7	Magnesium	mg/L	37.5	19.6	20.0	89.2	70 - 130	X515039 - X5D0052-01	11-Apr-25	
EPA 200.7	Potassium	mg/L	20.6	0.98	20.0	98.0	70 - 130	X515039 - X5D0024-01	11-Apr-25	
EPA 200.7	Potassium	mg/L	22.7	5.10	20.0	88.1	70 - 130	X515039 - X5D0052-01	11-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.967	<0.080	1.00	90.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Aluminum	mg/L	1.04	<0.080	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Aluminum	mg/L	1.06	<0.080	1.00	106	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Aluminum	mg/L	1.00	<0.080	1.00	100	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Barium	mg/L	0.991	0.0265	1.00	96.5	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Barium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Barium	mg/L	1.00	0.0200	1.00	98.4	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Barium	mg/L	0.989	0.0056	1.00	98.3	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Beryllium	mg/L	0.974	0.00788	1.00	96.6	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Beryllium	mg/L	1.05	<0.00200	1.00	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Beryllium	mg/L	1.02	<0.00200	1.00	102	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Beryllium	mg/L	1.00	<0.00200	1.00	100	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Boron	mg/L	1.08	0.0874	1.00	99.7	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Boron	mg/L	1.05	<0.0400	1.00	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Boron	mg/L	1.17	0.101	1.00	107	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Boron	mg/L	1.06	<0.0400	1.00	105	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Cadmium	mg/L	0.981	<0.0020	1.00	98.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Cadmium	mg/L	0.963	<0.0020	1.00	96.3	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Cadmium	mg/L	0.943	<0.0020	1.00	94.3	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Calcium	mg/L	58.7	39.3	20.0	97.3	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Calcium	mg/L	20.9	0.271	20.0	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Calcium	mg/L	329	309	20.0	103	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Calcium	mg/L	774	754	20.0	98.2	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Chromium	mg/L	0.979	<0.0060	1.00	97.9	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Chromium	mg/L	1.06	<0.0060	1.00	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	

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
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0024**
Reported: 17-Apr-25 09:49

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 200.7	Chromium	mg/L	0.990	<0.0060	1.00	99.0	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Chromium	mg/L	0.976	<0.0060	1.00	97.6	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Cobalt	mg/L	0.951	<0.0060	1.00	95.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Cobalt	mg/L	1.02	<0.0060	1.00	102	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Cobalt	mg/L	0.960	<0.0060	1.00	96.0	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Cobalt	mg/L	0.964	<0.0060	1.00	96.4	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Copper	mg/L	0.960	<0.0100	1.00	95.3	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Copper	mg/L	1.02	<0.0100	1.00	102	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Copper	mg/L	1.08	0.0365	1.00	104	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Copper	mg/L	1.03	<0.0100	1.00	103	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Iron	mg/L	9.47	<0.100	10.0	93.8	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Iron	mg/L	10.3	<0.100	10.0	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Iron	mg/L	9.80	<0.100	10.0	98.0	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Iron	mg/L	9.69	<0.100	10.0	96.9	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Lead	mg/L	0.959	<0.0075	1.00	95.9	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Lead	mg/L	1.04	<0.0075	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Lead	mg/L	0.981	<0.0075	1.00	98.1	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Lead	mg/L	0.968	<0.0075	1.00	96.8	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Lithium	mg/L	0.990	<0.040	1.00	99.0	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Lithium	mg/L	1.05	<0.040	1.00	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Lithium	mg/L	1.17	<0.040	1.00	117	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Lithium	mg/L	1.07	<0.040	1.00	107	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Magnesium	mg/L	27.5	8.51	20.0	94.8	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Magnesium	mg/L	21.1	<0.500	20.0	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Magnesium	mg/L	520	497	20.0	117	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Magnesium	mg/L	68.0	47.1	20.0	104	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Manganese	mg/L	0.987	0.0300	1.00	95.7	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Manganese	mg/L	1.06	<0.0080	1.00	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Manganese	mg/L	0.981	<0.0080	1.00	98.1	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Manganese	mg/L	1.14	0.172	1.00	97.0	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.967	<0.0080	1.00	96.7	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.01	<0.0080	1.00	101	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.63	0.586	1.00	104	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.997	<0.0080	1.00	99.2	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Nickel	mg/L	0.956	<0.0100	1.00	95.6	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Nickel	mg/L	1.03	<0.0100	1.00	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Nickel	mg/L	0.951	<0.0100	1.00	95.1	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Nickel	mg/L	0.957	<0.0100	1.00	95.2	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Potassium	mg/L	27.8	7.74	20.0	100	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Potassium	mg/L	21.1	<0.50	20.0	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Potassium	mg/L	28.4	7.74	20.0	103	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Potassium	mg/L	29.1	8.65	20.0	102	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Silver	mg/L	0.0482	<0.0050	0.0500	96.4	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Silver	mg/L	0.0509	<0.0050	0.0500	102	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Silver	mg/L	0.0512	<0.0050	0.0500	102	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Silver	mg/L	0.0465	<0.0050	0.0500	93.0	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Sodium	mg/L	164	143	19.0	110	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Sodium	mg/L	19.9	<0.50	19.0	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Sodium	mg/L	65.5	46.1	19.0	102	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Sodium	mg/L	37.9	18.9	19.0	99.9	70 - 130	X516143 - X5D0200-02	16-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0024**
Reported: 17-Apr-25 09:49

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 200.7	Vanadium	mg/L	0.983	<0.0050	1.00	98.3	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Vanadium	mg/L	1.02	<0.0050	1.00	102	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Vanadium	mg/L	1.01	<0.0050	1.00	101	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.7	Zinc	mg/L	1.02	0.0386	1.00	98.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Zinc	mg/L	1.05	0.0132	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Zinc	mg/L	1.05	0.0350	1.00	102	70 - 130	X516143 - X5D0200-01	16-Apr-25	
EPA 200.7	Zinc	mg/L	0.999	<0.0100	1.00	99.9	70 - 130	X516143 - X5D0200-02	16-Apr-25	
EPA 200.8	Antimony	mg/L	0.0265	<0.00100	0.0250	106	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0277	0.00132	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0283	0.00206	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0263	<0.00100	0.0250	105	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0278	<0.000200	0.0250	111	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0258	<0.000200	0.0250	103	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0282	0.000145	0.0250	112	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0295	0.00312	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X515028 - X5D0002-01	11-Apr-25	
EPA 245.1	Mercury	mg/L	0.00214	<0.000200	0.00200	107	70 - 130	X515028 - X5D0025-01	11-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	0.102	<0.0050	0.100	102	90 - 110	X514221 - X5D0024-01	10-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.106	<0.0050	0.100	106	90 - 110	X514221 - X5D0024-02	10-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.975	<0.030	1.00	97.5	90 - 110	X515052 - X5D0024-02	09-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	105	90 - 110	X515052 - X5D0024-01	09-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.106	<0.0050	0.100	106	82 - 118	X515092 - X5D0024-01	11-Apr-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.11	<0.20	3.00	99.4	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Chloride	mg/L	3.01	<0.20	3.00	95.3	90 - 110	X514144 - X5C0374-02	02-Apr-25	
EPA 300.0	Fluoride	mg/L	2.54	0.565	2.00	98.8	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Fluoride	mg/L	1.91	0.344	2.00	78.1	90 - 110	X514144 - X5C0374-02	02-Apr-25	M2
EPA 300.0	Nitrate as N	mg/L	1.97	<0.050	2.00	97.6	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Nitrate as N	mg/L	1.97	<0.050	2.00	98.4	90 - 110	X514144 - X5C0374-02	02-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.02	<0.100	4.00	101	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.00	<0.100	4.00	99.9	90 - 110	X514144 - X5C0374-02	02-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.05	<0.050	2.00	103	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.03	<0.050	2.00	101	90 - 110	X514144 - X5C0374-02	02-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	90.7	82.0	10.0	0.30R>S	90 - 110	X514144 - X5C0374-01	02-Apr-25	M4
EPA 300.0	Sulfate as SO4	mg/L	504	494	10.0	104	90 - 110	X514144 - X5C0374-02	03-Apr-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: **X5D0024**
Reported: 17-Apr-25 09:49

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	47.4	49.7	20.0	5.0	20	93	X515039 - X5D0024-01	
EPA 200.7	Magnesium	mg/L	25.6	25.8	20.0	0.7	20	96.0	X515039 - X5D0024-01	
EPA 200.7	Potassium	mg/L	19.6	20.6	20.0	4.7	20	93.3	X515039 - X5D0024-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	0.967	1.00	4.8	20	94.9	X514227 - X5D0002-01	
EPA 200.7	Aluminum	mg/L	1.06	1.06	1.00	0.1	20	106	X516143 - X5D0200-01	
EPA 200.7	Barium	mg/L	0.998	0.991	1.00	0.7	20	97.1	X514227 - X5D0002-01	
EPA 200.7	Barium	mg/L	0.996	1.00	1.00	0.7	20	97.6	X516143 - X5D0200-01	
EPA 200.7	Beryllium	mg/L	0.980	0.974	1.00	0.7	20	97.3	X514227 - X5D0002-01	
EPA 200.7	Beryllium	mg/L	1.01	1.02	1.00	0.7	20	101	X516143 - X5D0200-01	
EPA 200.7	Boron	mg/L	1.07	1.08	1.00	1.0	20	98.6	X514227 - X5D0002-01	
EPA 200.7	Boron	mg/L	1.16	1.17	1.00	0.3	20	106	X516143 - X5D0200-01	
EPA 200.7	Cadmium	mg/L	0.962	0.981	1.00	1.9	20	96.2	X514227 - X5D0002-01	
EPA 200.7	Cadmium	mg/L	0.957	0.963	1.00	0.6	20	95.7	X516143 - X5D0200-01	
EPA 200.7	Calcium	mg/L	58.6	58.7	20.0	0.1	20	96.9	X514227 - X5D0002-01	
EPA 200.7	Calcium	mg/L	327	329	20.0	0.6	20	93.7	X516143 - X5D0200-01	
EPA 200.7	Chromium	mg/L	0.985	0.979	1.00	0.6	20	98.5	X514227 - X5D0002-01	
EPA 200.7	Chromium	mg/L	0.984	0.990	1.00	0.5	20	98.4	X516143 - X5D0200-01	
EPA 200.7	Cobalt	mg/L	0.930	0.951	1.00	2.2	20	93.0	X514227 - X5D0002-01	
EPA 200.7	Cobalt	mg/L	0.954	0.960	1.00	0.6	20	95.4	X516143 - X5D0200-01	
EPA 200.7	Copper	mg/L	0.958	0.960	1.00	0.2	20	95.2	X514227 - X5D0002-01	
EPA 200.7	Copper	mg/L	1.08	1.08	1.00	0.1	20	104	X516143 - X5D0200-01	
EPA 200.7	Iron	mg/L	9.50	9.47	10.0	0.4	20	94.2	X514227 - X5D0002-01	
EPA 200.7	Iron	mg/L	9.72	9.80	10.0	0.8	20	97.2	X516143 - X5D0200-01	
EPA 200.7	Lead	mg/L	0.943	0.959	1.00	1.8	20	94.3	X514227 - X5D0002-01	
EPA 200.7	Lead	mg/L	0.975	0.981	1.00	0.7	20	97.5	X516143 - X5D0200-01	
EPA 200.7	Lithium	mg/L	1.00	0.990	1.00	1.4	20	100	X514227 - X5D0002-01	
EPA 200.7	Lithium	mg/L	1.16	1.17	1.00	0.7	20	116	X516143 - X5D0200-01	
EPA 200.7	Magnesium	mg/L	27.5	27.5	20.0	0.1	20	95.0	X514227 - X5D0002-01	
EPA 200.7	Magnesium	mg/L	516	520	20.0	0.8	20	96.7	X516143 - X5D0200-01	
EPA 200.7	Manganese	mg/L	0.997	0.987	1.00	1.0	20	96.7	X514227 - X5D0002-01	
EPA 200.7	Manganese	mg/L	0.976	0.981	1.00	0.6	20	97.6	X516143 - X5D0200-01	
EPA 200.7	Molybdenum	mg/L	0.951	0.967	1.00	1.7	20	95.1	X514227 - X5D0002-01	
EPA 200.7	Molybdenum	mg/L	1.61	1.63	1.00	1.1	20	102	X516143 - X5D0200-01	
EPA 200.7	Nickel	mg/L	0.944	0.956	1.00	1.3	20	94.4	X514227 - X5D0002-01	
EPA 200.7	Nickel	mg/L	0.945	0.951	1.00	0.6	20	94.5	X516143 - X5D0200-01	
EPA 200.7	Potassium	mg/L	27.9	27.8	20.0	0.4	20	101	X514227 - X5D0002-01	
EPA 200.7	Potassium	mg/L	28.3	28.4	20.0	0.2	20	103	X516143 - X5D0200-01	
EPA 200.7	Silver	mg/L	0.0492	0.0482	0.0500	2.0	20	98.3	X514227 - X5D0002-01	
EPA 200.7	Silver	mg/L	0.0509	0.0512	0.0500	0.5	20	102	X516143 - X5D0200-01	
EPA 200.7	Sodium	mg/L	166	164	19.0	1.0	20	119	X514227 - X5D0002-01	
EPA 200.7	Sodium	mg/L	64.9	65.5	19.0	1.0	20	99.0	X516143 - X5D0200-01	
EPA 200.7	Vanadium	mg/L	0.980	0.983	1.00	0.3	20	98.0	X514227 - X5D0002-01	
EPA 200.7	Vanadium	mg/L	1.02	1.02	1.00	0.4	20	102	X516143 - X5D0200-01	
EPA 200.7	Zinc	mg/L	1.00	1.02	1.00	1.5	20	96.6	X514227 - X5D0002-01	
EPA 200.7	Zinc	mg/L	1.05	1.05	1.00	0.6	20	101	X516143 - X5D0200-01	
EPA 200.8	Antimony	mg/L	0.0269	0.0265	0.0250	1.3	20	107	X515160 - X5D0003-01	
EPA 200.8	Arsenic	mg/L	0.0268	0.0277	0.0250	3.3	20	107	X515160 - X5D0003-01	
EPA 200.8	Selenium	mg/L	0.0262	0.0263	0.0250	0.6	20	105	X515160 - X5D0003-01	
EPA 200.8	Thallium	mg/L	0.0278	0.0278	0.0250	0.3	20	111	X515160 - X5D0003-01	
EPA 200.8	Uranium	mg/L	0.0279	0.0282	0.0250	1.1	20	111	X515160 - X5D0003-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00201	0.00204	0.00200	1.4	20	101	X515028 - X5D0002-01	

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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: **X5D0024**
Reported: 17-Apr-25 09:49

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
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	0.103	0.102	0.100	0.8	20	103	X514221 - X5D0024-01	
EPA 350.1	Ammonia as N	mg/L	1.01	0.975	1.00	3.6	20	101	X515052 - X5D0024-02	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.106	0.100	0.2	11	106	X515092 - X5D0024-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.11	3.11	3.00	0.2	20	99.3	X514144 - X5C0374-01	
EPA 300.0	Fluoride	mg/L	2.52	2.54	2.00	0.9	20	97.7	X514144 - X5C0374-01	
EPA 300.0	Nitrate as N	mg/L	1.96	1.97	2.00	0.4	20	97.2	X514144 - X5C0374-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.01	4.02	4.00	0.2	20	100	X514144 - X5C0374-01	
EPA 300.0	Nitrite as N	mg/L	2.05	2.05	2.00	0.1	20	103	X514144 - X5C0374-01	
EPA 300.0	Sulfate as SO4	mg/L	90.8	90.7	10.0	0.2	20	0.30R>S	X514144 - X5C0374-01	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: **X5D0024**
Victor, CO 80860	Reported: 17-Apr-25 09:49

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.
N1	See case narrative.
N10	After reanalysis, original results are confirmed.
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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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X5D0123**
Victor, CO 80860	Reported: 25-Apr-25 10:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-26 B	X5D0123-01	Ground Water	07-Apr-25 13:02	TR	09-Apr-2025	

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

Case Narrative: X5D0123

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: **X5D0123**
Reported: 25-Apr-25 10:35

Client Sample ID: **GVMW-26 B**
SVL Sample ID: **X5D0123-01 (Ground Water)**

Sampled: 07-Apr-25 13:02
Received: 09-Apr-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**	10.8	mg/L	0.100	0.069		X516033	NMS	04/15/25 14:40	
EPA 200.7	**Magnesium**	2.24	mg/L	0.500	0.090		X516033	NMS	04/15/25 14:40	
EPA 200.7	**Potassium**	0.76	mg/L	0.50	0.18		X516033	NMS	04/15/25 14:40	
SM 2340 B	**Hardness (as CaCO3)**	36.1	mg/L	2.31	0.543		N/A		04/14/25 13:00	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X516022	SJN	04/14/25 13:00	
EPA 200.7	**Barium**	0.112	mg/L	0.0020	0.0019		X516022	SJN	04/14/25 13:00	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X516022	SJN	04/14/25 13:00	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X516022	SJN	04/14/25 13:00	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X516022	SJN	04/14/25 13:00	
EPA 200.7	**Calcium**	10.7	mg/L	0.100	0.069		X516022	SJN	04/14/25 13:00	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X516022	SJN	04/14/25 13:00	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X516022	SJN	04/14/25 13:00	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X516022	SJN	04/14/25 13:00	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X516022	SJN	04/14/25 13:00	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X516022	SJN	04/14/25 13:00	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X516022	SJN	04/14/25 13:00	
EPA 200.7	**Magnesium**	2.24	mg/L	0.500	0.090		X516022	SJN	04/14/25 13:00	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:00	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:00	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X516022	SJN	04/14/25 13:00	
EPA 200.7	**Potassium**	0.82	mg/L	0.50	0.18		X516022	SJN	04/14/25 13:00	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:00	
EPA 200.7	**Sodium**	9.86	mg/L	0.50	0.12		X516022	SJN	04/14/25 13:00	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:00	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X516022	SJN	04/14/25 13:00	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 11:58	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 11:58	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 11:58	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 11:58	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 11:58	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515212	MAC	04/18/25 10:43	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:14	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X516007	JPM	04/15/25 12:33	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515141	JPM	04/11/25 13:37	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 16:31	H1
SM 2310 B	**Acidity to pH 8.3**	-35.5	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	34.9	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:25	
SM 2320 B	**Bicarbonate**	34.9	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:25	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:25	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:25	
SM 2540 C	**Total Diss. Solids**	82	mg/L	10			X515143	TJL	04/11/25 13:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X515145	TJL	04/11/25 13:50	
SM 4500 H B	**pH @20.1°C**	6.7	pH Units				X515146	MWD	04/10/25 14:25	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: **X5D0123**
Reported: 25-Apr-25 10:35

Client Sample ID: **GVMW-26 B**
SVL Sample ID: **X5D0123-01 (Ground Water)**

Sampled: 07-Apr-25 13:02
Received: 09-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.93	mg/L	0.20	0.02		X515109	RS	04/09/25 12:09	
EPA 300.0	**Fluoride**	0.228	mg/L	0.100	0.017		X515109	RS	04/09/25 12:09	
EPA 300.0	**Nitrate as N**	0.725	mg/L	0.050	0.013		X515109	RS	04/09/25 12:09	H3
EPA 300.0	**Nitrate+Nitrite as N**	0.725	mg/L	0.100	0.044		X515109	RS	04/09/25 12:09	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X515109	RS	04/09/25 12:09	H3
EPA 300.0	**Sulfate as SO4**	20.9	mg/L	0.30	0.18		X515109	RS	04/09/25 12:09	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.18 meq/L Anion Sum: 1.25 meq/L C/A Balance: -2.86 % Calculated TDS: 71 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

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
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0123**
Reported: 25-Apr-25 10:35

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	X516033	15-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X516033	15-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X516033	15-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X516022	14-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X516022	14-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X516022	14-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X516022	14-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X516022	14-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X516022	14-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X516022	14-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X516022	14-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X516022	14-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X516022	14-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X516022	14-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X516022	14-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X516022	14-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X516022	14-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X516022	14-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X516022	14-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X516022	14-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X516022	14-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X516022	14-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X516022	14-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X516022	14-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X515160	14-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X515160	14-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X515160	14-Apr-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X515160	14-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X515160	14-Apr-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X515212	18-Apr-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X516054	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X516007	15-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X515141	11-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X515143	11-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X515145	11-Apr-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X515109	09-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X515109	09-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X515109	09-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X515109	09-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X515109	09-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X515109	09-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0123**
Reported: 25-Apr-25 10:35

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.0	20.0	95	85 - 115	X516033	15-Apr-25	
EPA 200.7	Magnesium	mg/L	19.3	20.0	96.3	85 - 115	X516033	15-Apr-25	
EPA 200.7	Potassium	mg/L	18.8	20.0	94.0	85 - 115	X516033	15-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.967	1.00	96.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Barium	mg/L	0.988	1.00	98.8	85 - 115	X516022	14-Apr-25	
EPA 200.7	Beryllium	mg/L	0.974	1.00	97.4	85 - 115	X516022	14-Apr-25	
EPA 200.7	Boron	mg/L	1.00	1.00	100	85 - 115	X516022	14-Apr-25	
EPA 200.7	Cadmium	mg/L	0.968	1.00	96.8	85 - 115	X516022	14-Apr-25	
EPA 200.7	Calcium	mg/L	18.8	20.0	94.0	85 - 115	X516022	14-Apr-25	
EPA 200.7	Chromium	mg/L	0.974	1.00	97.4	85 - 115	X516022	14-Apr-25	
EPA 200.7	Cobalt	mg/L	0.941	1.00	94.1	85 - 115	X516022	14-Apr-25	
EPA 200.7	Copper	mg/L	0.948	1.00	94.8	85 - 115	X516022	14-Apr-25	
EPA 200.7	Iron	mg/L	9.70	10.0	97.0	85 - 115	X516022	14-Apr-25	
EPA 200.7	Lead	mg/L	0.965	1.00	96.5	85 - 115	X516022	14-Apr-25	
EPA 200.7	Lithium	mg/L	0.967	1.00	96.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Manganese	mg/L	0.963	1.00	96.3	85 - 115	X516022	14-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.983	1.00	98.3	85 - 115	X516022	14-Apr-25	
EPA 200.7	Nickel	mg/L	0.946	1.00	94.6	85 - 115	X516022	14-Apr-25	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.6	85 - 115	X516022	14-Apr-25	
EPA 200.7	Silver	mg/L	0.0469	0.0500	93.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.1	85 - 115	X516022	14-Apr-25	
EPA 200.7	Vanadium	mg/L	0.984	1.00	98.4	85 - 115	X516022	14-Apr-25	
EPA 200.7	Zinc	mg/L	0.966	1.00	96.6	85 - 115	X516022	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0274	0.0250	110	85 - 115	X515160	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0265	0.0250	106	85 - 115	X515160	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0257	0.0250	103	85 - 115	X515160	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0278	0.0250	111	85 - 115	X515160	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0285	0.0250	114	85 - 115	X515160	14-Apr-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00198	0.00200	98.8	85 - 115	X515212	18-Apr-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.100	0.100	100	90 - 110	X516054	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0913	0.100	91.3	90 - 110	X516007	15-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.989	1.00	98.9	90 - 110	X515141	11-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	94 - 106	X515146	10-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	94 - 106	X515146	10-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	419	397	105	94 - 106	X515146	10-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X515145	11-Apr-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.07	3.00	102	90 - 110	X515109	09-Apr-25	
EPA 300.0	Fluoride	mg/L	2.04	2.00	102	90 - 110	X515109	09-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.04	2.00	102	90 - 110	X515109	09-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.69	4.50	104	90 - 110	X515109	09-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.65	2.50	106	90 - 110	X515109	09-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X515109	09-Apr-25	

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Cripple Creek & Victor Gold Mining Company
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0123**
Reported: 25-Apr-25 10:35

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	X515176 - X5D0024-01	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	69.7	66.5	4.7	20	X515146 - X5D0046-01	10-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	62.2	62.1	0.2	20	X515146 - X5D0046-01	10-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X515146 - X5D0046-01	10-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	246	250	1.6	10	X515143 - X5D0124-02	11-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	356	365	2.5	10	X515143 - X5D0135-02	11-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	103	102	1.0	10	X515145 - X5D0126-02	11-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	19.0	18.0	5.4	10	X515145 - X5D0124-02	11-Apr-25	
SM 4500 H B	pH @19.6°C	pH Units	8.7	8.6	0.9	20	X515146 - X5D0046-01	10-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	38.5	18.4	20.0	100	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Magnesium	mg/L	31.4	11.3	20.0	100	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Potassium	mg/L	20.8	1.37	20.0	97.3	70 - 130	X516033 - X5D0124-03	15-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	14.6	13.4	1.00	116	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Barium	mg/L	1.03	0.0241	1.00	100	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Boron	mg/L	1.14	0.0648	1.00	108	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Cadmium	mg/L	1.00	0.0028	1.00	99.8	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Calcium	mg/L	166	145	20.0	104	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Chromium	mg/L	1.00	<0.0060	1.00	100	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Cobalt	mg/L	1.01	0.0523	1.00	96.2	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Copper	mg/L	1.01	<0.0100	1.00	101	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Iron	mg/L	10.7	0.442	10.0	102	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Lead	mg/L	0.997	<0.0075	1.00	99.7	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Lithium	mg/L	1.13	<0.040	1.00	113	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Magnesium	mg/L	63.5	43.8	20.0	98.7	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Manganese	mg/L	12.0	11.2	1.00	83.8	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.03	<0.0080	1.00	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Nickel	mg/L	1.07	0.104	1.00	96.5	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Potassium	mg/L	26.2	5.60	20.0	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Silver	mg/L	0.0490	<0.0050	0.0500	98.1	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Sodium	mg/L	41.9	22.4	19.0	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Vanadium	mg/L	1.03	<0.0050	1.00	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Zinc	mg/L	2.09	1.11	1.00	98.3	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0265	<0.00100	0.0250	106	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0277	0.00132	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0283	0.00206	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0263	<0.00100	0.0250	105	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0278	<0.000200	0.0250	111	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0258	<0.000200	0.0250	103	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0282	0.000145	0.0250	112	70 - 130	X515160 - X5D0003-01	14-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0123**
Reported: 25-Apr-25 10:35

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	Uranium	mg/L	0.0295	0.00312	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00216	<0.000200	0.00200	108	70 - 130	X515212 - X5D0123-01	18-Apr-25	
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	105	70 - 130	X515212 - X5D0166-01	18-Apr-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.102	<0.0050	0.100	102	79 - 121	X516054 - X5D0124-01	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0982	<0.0050	0.100	98.2	90 - 110	X516007 - X5D0165-11	15-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X516007 - X5D0165-08	15-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.966	<0.030	1.00	96.6	90 - 110	X515141 - X5D0124-03	11-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.947	<0.030	1.00	94.7	90 - 110	X515141 - X5D0124-01	11-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.104	<0.0050	0.100	104	82 - 118	X516133 - X5D0124-01	24-Apr-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	5.02	1.93	3.00	103	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Fluoride	mg/L	2.25	0.228	2.00	101	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.77	0.725	2.00	102	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.86	0.725	4.00	103	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.09	<0.050	2.00	104	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	31.2	20.9	10.0	102	90 - 110	X515109 - X5D0123-01	09-Apr-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	37.2	38.5	20.0	3.0	20	94	X516033 - X5D0124-03	
EPA 200.7	Magnesium	mg/L	30.6	31.4	20.0	2.5	20	96.4	X516033 - X5D0124-03	
EPA 200.7	Potassium	mg/L	20.1	20.8	20.0	3.4	20	93.8	X516033 - X5D0124-03	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	14.6	14.6	1.00	0.3	20	120	X516022 - X5D0163-01	
EPA 200.7	Barium	mg/L	1.01	1.03	1.00	2.0	20	98.3	X516022 - X5D0163-01	
EPA 200.7	Beryllium	mg/L	0.993	1.04	1.00	4.6	20	99.2	X516022 - X5D0163-01	
EPA 200.7	Boron	mg/L	1.12	1.14	1.00	2.4	20	105	X516022 - X5D0163-01	
EPA 200.7	Cadmium	mg/L	0.969	1.00	1.00	3.2	20	96.6	X516022 - X5D0163-01	
EPA 200.7	Calcium	mg/L	164	166	20.0	1.0	20	95.7	X516022 - X5D0163-01	
EPA 200.7	Chromium	mg/L	0.975	1.00	1.00	2.8	20	97.5	X516022 - X5D0163-01	
EPA 200.7	Cobalt	mg/L	0.988	1.01	1.00	2.7	20	93.5	X516022 - X5D0163-01	
EPA 200.7	Copper	mg/L	0.987	1.01	1.00	2.8	20	98.2	X516022 - X5D0163-01	
EPA 200.7	Iron	mg/L	10.3	10.7	10.0	3.8	20	98.4	X516022 - X5D0163-01	
EPA 200.7	Lead	mg/L	0.966	0.997	1.00	3.2	20	96.6	X516022 - X5D0163-01	
EPA 200.7	Lithium	mg/L	1.09	1.13	1.00	2.9	20	109	X516022 - X5D0163-01	
EPA 200.7	Magnesium	mg/L	63.6	63.5	20.0	0.1	20	98.9	X516022 - X5D0163-01	
EPA 200.7	Manganese	mg/L	12.1	12.0	1.00	0.7	20	92.4	X516022 - X5D0163-01	
EPA 200.7	Molybdenum	mg/L	0.995	1.03	1.00	3.2	20	99.5	X516022 - X5D0163-01	
EPA 200.7	Nickel	mg/L	1.04	1.07	1.00	2.9	20	93.5	X516022 - X5D0163-01	
EPA 200.7	Potassium	mg/L	25.3	26.2	20.0	3.4	20	98.4	X516022 - X5D0163-01	
EPA 200.7	Silver	mg/L	0.0477	0.0490	0.0500	2.7	20	95.5	X516022 - X5D0163-01	
EPA 200.7	Sodium	mg/L	41.0	41.9	19.0	2.2	20	97.8	X516022 - X5D0163-01	
EPA 200.7	Vanadium	mg/L	0.998	1.03	1.00	3.0	20	99.8	X516022 - X5D0163-01	
EPA 200.7	Zinc	mg/L	2.06	2.09	1.00	1.4	20	95.4	X516022 - X5D0163-01	

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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: **X5D0123**
Reported: 25-Apr-25 10:35

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	Antimony	mg/L	0.0269	0.0265	0.0250	1.3	20	107	X515160 - X5D0003-01	
EPA 200.8	Arsenic	mg/L	0.0268	0.0277	0.0250	3.3	20	107	X515160 - X5D0003-01	
EPA 200.8	Selenium	mg/L	0.0262	0.0263	0.0250	0.6	20	105	X515160 - X5D0003-01	
EPA 200.8	Thallium	mg/L	0.0278	0.0278	0.0250	0.3	20	111	X515160 - X5D0003-01	
EPA 200.8	Uranium	mg/L	0.0279	0.0282	0.0250	1.1	20	111	X515160 - X5D0003-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00216	0.00200	1.3	20	106	X515212 - X5D0123-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0988	0.102	0.100	2.8	11	98.8	X516054 - X5D0124-01	
EPA 335.4	Cyanide (total)	mg/L	0.0919	0.0982	0.100	6.6	20	91.9	X516007 - X5D0165-11	
EPA 350.1	Ammonia as N	mg/L	1.01	0.966	1.00	4.3	20	101	X515141 - X5D0124-03	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.104	0.100	0.7	11	104	X516133 - X5D0124-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	5.08	5.02	3.00	1.2	20	105	X515109 - X5D0123-01	
EPA 300.0	Fluoride	mg/L	2.28	2.25	2.00	1.5	20	103	X515109 - X5D0123-01	
EPA 300.0	Nitrate as N	mg/L	2.81	2.77	2.00	1.5	20	104	X515109 - X5D0123-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.91	4.86	4.00	1.2	20	105	X515109 - X5D0123-01	
EPA 300.0	Nitrite as N	mg/L	2.10	2.09	2.00	0.7	20	105	X515109 - X5D0123-01	
EPA 300.0	Sulfate as SO4	mg/L	31.1	31.2	10.0	0.1	20	102	X515109 - X5D0123-01	

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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: **X5D0123**
Victor, CO 80860	Reported: 25-Apr-25 10:35

Notes and Definitions

H1	Sample analysis performed past holding time.
H3	Sample was received and/or analysis requested past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
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: **X5D0025**
Victor, CO 80860	Reported: 15-Apr-25 11:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-126F	X5D0025-01	Ground Water	01-Apr-25 09:01	TR	02-Apr-2025	

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

Case Narrative: X5D0025

The state of origin only accredits for drinking water analyses.

Samples treated with $CdCO_3$ 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: **X5D0025**
Reported: 15-Apr-25 11:24

Client Sample ID: **GVMW-126F**
SVL Sample ID: **X5D0025-01 (Ground Water)**

Sampled: 01-Apr-25 09:01
Received: 02-Apr-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**	28.1	mg/L	0.100	0.069		X515039	SJN	04/11/25 10:44	
EPA 200.7	**Magnesium**	6.25	mg/L	0.500	0.090		X515039	SJN	04/11/25 10:44	
EPA 200.7	**Potassium**	0.92	mg/L	0.50	0.18		X515039	SJN	04/11/25 10:44	
SM 2340 B	**Hardness (as CaCO3)**	95.8	mg/L	2.31	0.543		N/A		04/08/25 12:26	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514227	NMS	04/08/25 12:26	
EPA 200.7	**Barium**	0.201	mg/L	0.0020	0.0019		X514227	NMS	04/08/25 12:26	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514227	NMS	04/08/25 12:26	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514227	NMS	04/08/25 12:26	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514227	NMS	04/08/25 12:26	
EPA 200.7	**Calcium**	30.2	mg/L	0.100	0.069		X514227	NMS	04/08/25 12:26	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X514227	NMS	04/08/25 12:26	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514227	NMS	04/08/25 12:26	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X514227	NMS	04/08/25 12:26	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X514227	NMS	04/08/25 12:26	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514227	NMS	04/08/25 12:26	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514227	NMS	04/08/25 12:26	
EPA 200.7	**Magnesium**	7.01	mg/L	0.500	0.090		X514227	NMS	04/08/25 12:26	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:26	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:26	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514227	NMS	04/08/25 12:26	
EPA 200.7	**Potassium**	0.98	mg/L	0.50	0.18		X514227	NMS	04/08/25 12:26	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:26	
EPA 200.7	**Sodium**	30.8	mg/L	0.50	0.12		X514227	NMS	04/08/25 12:26	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:26	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 12:26	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 11:46	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 11:46	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 11:46	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 11:46	
EPA 200.8	**Uranium**	0.00326	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 11:46	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515028	MAC	04/11/25 15:04	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514174	JPM	04/04/25 09:37	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 11:23	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X514171	ORW	04/04/25 12:54	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 16:22	
SM 2310 B	**Acidity to pH 8.3**	-160	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	159	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:35	
SM 2320 B	**Bicarbonate**	159	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:35	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:35	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X514190	MWD	04/03/25 13:35	
SM 2540 C	**Total Diss. Solids**	213	mg/L	10			X514179	TJL	04/04/25 12:35	
SM 2540 D	**Total Susp. Solids**	16.0	mg/L	5.0			X514180	TJL	04/04/25 13:05	
SM 4500 H B	**pH @18.6°C**	7.9	pH Units				X514190	MWD	04/03/25 13:35	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: **X5D0025**
Reported: 15-Apr-25 11:24

Client Sample ID: **GVMW-126F**
SVL Sample ID: **X5D0025-01 (Ground Water)**

Sampled: 01-Apr-25 09:01
Received: 02-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.30	mg/L	0.20	0.02		X514144	RS	04/03/25 00:07	
EPA 300.0	**Fluoride**	1.91	mg/L	0.100	0.017		X514144	RS	04/03/25 00:07	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X514144	RS	04/03/25 00:07	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X514144	RS	04/03/25 00:07	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514144	RS	04/03/25 00:07	
EPA 300.0	**Sulfate as SO4**	14.7	mg/L	0.30	0.18		X514144	RS	04/03/25 00:07	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.30 meq/L Anion Sum: 3.62 meq/L C/A Balance: -4.73 % Calculated TDS: 181 TDS/cTDS: 1.18

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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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: **X5D0025**
Reported: 15-Apr-25 11:24

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	X515039	11-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X515039	11-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X515039	11-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X514227	08-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X514227	08-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X514227	08-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X514227	08-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X514227	08-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X514227	08-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X514227	08-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X514227	08-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X514227	08-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X514227	08-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X514227	08-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X514227	08-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514227	08-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X514227	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X514227	08-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X514227	08-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514227	08-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X514227	08-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X514227	08-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X514227	08-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X514227	08-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X515160	14-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X515160	14-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X515160	14-Apr-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X515160	14-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X515160	14-Apr-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X515028	11-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	X514221	10-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X514171	04-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X515092	11-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X514190	03-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X514190	03-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X514190	03-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X514190	03-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X514179	04-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X514180	04-Apr-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X514144	02-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X514144	02-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X514144	02-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X514144	02-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X514144	02-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X514144	02-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: **X5D0025**
Reported: 15-Apr-25 11:24

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	18.0	20.0	90	85 - 115	X515039	11-Apr-25	
EPA 200.7	Magnesium	mg/L	17.8	20.0	88.8	85 - 115	X515039	11-Apr-25	
EPA 200.7	Potassium	mg/L	18.1	20.0	90.6	85 - 115	X515039	11-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.941	1.00	94.1	85 - 115	X514227	08-Apr-25	
EPA 200.7	Barium	mg/L	0.993	1.00	99.3	85 - 115	X514227	08-Apr-25	
EPA 200.7	Beryllium	mg/L	0.985	1.00	98.5	85 - 115	X514227	08-Apr-25	
EPA 200.7	Boron	mg/L	0.983	1.00	98.3	85 - 115	X514227	08-Apr-25	
EPA 200.7	Cadmium	mg/L	0.973	1.00	97.3	85 - 115	X514227	08-Apr-25	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.6	85 - 115	X514227	08-Apr-25	
EPA 200.7	Chromium	mg/L	0.982	1.00	98.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Cobalt	mg/L	0.965	1.00	96.5	85 - 115	X514227	08-Apr-25	
EPA 200.7	Copper	mg/L	0.956	1.00	95.6	85 - 115	X514227	08-Apr-25	
EPA 200.7	Iron	mg/L	9.64	10.0	96.4	85 - 115	X514227	08-Apr-25	
EPA 200.7	Lead	mg/L	0.984	1.00	98.4	85 - 115	X514227	08-Apr-25	
EPA 200.7	Lithium	mg/L	0.991	1.00	99.1	85 - 115	X514227	08-Apr-25	
EPA 200.7	Magnesium	mg/L	19.6	20.0	98.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Manganese	mg/L	0.987	1.00	98.7	85 - 115	X514227	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.972	1.00	97.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Nickel	mg/L	0.971	1.00	97.1	85 - 115	X514227	08-Apr-25	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Silver	mg/L	0.0461	0.0500	92.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Vanadium	mg/L	0.974	1.00	97.4	85 - 115	X514227	08-Apr-25	
EPA 200.7	Zinc	mg/L	0.976	1.00	97.6	85 - 115	X514227	08-Apr-25	
EPA 200.8	Antimony	mg/L	0.0274	0.0250	110	85 - 115	X515160	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0265	0.0250	106	85 - 115	X515160	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0257	0.0250	103	85 - 115	X515160	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0278	0.0250	111	85 - 115	X515160	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0285	0.0250	114	85 - 115	X515160	14-Apr-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00204	0.00200	102	85 - 115	X515028	11-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	0.104	0.100	104	90 - 110	X514221	10-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.993	1.00	99.3	90 - 110	X514171	04-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.100	103	90 - 110	X515092	11-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	94 - 106	X514190	03-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X514180	04-Apr-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	99.0	90 - 110	X514144	02-Apr-25	
EPA 300.0	Fluoride	mg/L	2.01	2.00	101	90 - 110	X514144	02-Apr-25	
EPA 300.0	Nitrate as N	mg/L	1.98	2.00	99.0	90 - 110	X514144	02-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	4.50	101	90 - 110	X514144	02-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.58	2.50	103	90 - 110	X514144	02-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.1	10.0	101	90 - 110	X514144	02-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0025**
Reported: 15-Apr-25 11:24

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X515176 - X5D0024-01	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	35.9	35.3	1.7	20	X514190 - X5D0024-02	03-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	35.9	35.3	1.7	20	X514190 - X5D0024-02	03-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X514190 - X5D0024-02	03-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X514190 - X5D0024-02	03-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	224	217	3.2	10	X514179 - X5D0024-03	04-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	358	350	2.3	10	X514179 - X5D0030-01	04-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X514180 - X5D0024-03	04-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X514180 - X5D0030-01	04-Apr-25	
SM 4500 H B	pH @18.2°C	pH Units	6.6	6.6	1.1	20	X514190 - X5D0024-02	03-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	49.7	28.9	20.0	104	70 - 130	X515039 - X5D0024-01	11-Apr-25	
EPA 200.7	Calcium	mg/L	53.1	37.0	20.0	81	70 - 130	X515039 - X5D0052-01	11-Apr-25	
EPA 200.7	Magnesium	mg/L	25.8	6.41	20.0	96.8	70 - 130	X515039 - X5D0024-01	11-Apr-25	
EPA 200.7	Magnesium	mg/L	37.5	19.6	20.0	89.2	70 - 130	X515039 - X5D0052-01	11-Apr-25	
EPA 200.7	Potassium	mg/L	20.6	0.98	20.0	98.0	70 - 130	X515039 - X5D0024-01	11-Apr-25	
EPA 200.7	Potassium	mg/L	22.7	5.10	20.0	88.1	70 - 130	X515039 - X5D0052-01	11-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.967	<0.080	1.00	90.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Aluminum	mg/L	1.04	<0.080	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Barium	mg/L	0.991	0.0265	1.00	96.5	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Barium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Beryllium	mg/L	0.974	0.00788	1.00	96.6	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Beryllium	mg/L	1.05	<0.00200	1.00	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Boron	mg/L	1.08	0.0874	1.00	99.7	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Boron	mg/L	1.05	<0.0400	1.00	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Cadmium	mg/L	0.981	<0.0020	1.00	98.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Calcium	mg/L	58.7	39.3	20.0	97.3	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Calcium	mg/L	20.9	0.271	20.0	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Chromium	mg/L	0.979	<0.0060	1.00	97.9	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Chromium	mg/L	1.06	<0.0060	1.00	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Cobalt	mg/L	0.951	<0.0060	1.00	95.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Cobalt	mg/L	1.02	<0.0060	1.00	102	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Copper	mg/L	0.960	<0.0100	1.00	95.3	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Copper	mg/L	1.02	<0.0100	1.00	102	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Iron	mg/L	9.47	<0.100	10.0	93.8	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Iron	mg/L	10.3	<0.100	10.0	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Lead	mg/L	0.959	<0.0075	1.00	95.9	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Lead	mg/L	1.04	<0.0075	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Lithium	mg/L	0.990	<0.040	1.00	99.0	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Lithium	mg/L	1.05	<0.040	1.00	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Magnesium	mg/L	27.5	8.51	20.0	94.8	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Magnesium	mg/L	21.1	<0.500	20.0	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0025**
Reported: 15-Apr-25 11:24

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.987	0.0300	1.00	95.7	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Manganese	mg/L	1.06	<0.0080	1.00	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.967	<0.0080	1.00	96.7	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.01	<0.0080	1.00	101	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Nickel	mg/L	0.956	<0.0100	1.00	95.6	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Nickel	mg/L	1.03	<0.0100	1.00	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Potassium	mg/L	27.8	7.74	20.0	100	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Potassium	mg/L	21.1	<0.50	20.0	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Silver	mg/L	0.0482	<0.0050	0.0500	96.4	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Silver	mg/L	0.0509	<0.0050	0.0500	102	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Sodium	mg/L	164	143	19.0	110	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Sodium	mg/L	19.9	<0.50	19.0	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Vanadium	mg/L	0.983	<0.0050	1.00	98.3	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Zinc	mg/L	1.02	0.0386	1.00	98.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Zinc	mg/L	1.05	0.0132	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.8	Antimony	mg/L	0.0265	<0.00100	0.0250	106	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0277	0.00132	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0283	0.00206	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0263	<0.00100	0.0250	105	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0278	<0.000200	0.0250	111	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0258	<0.000200	0.0250	103	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0282	0.000145	0.0250	112	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0295	0.00312	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X515028 - X5D0002-01	11-Apr-25	
EPA 245.1	Mercury	mg/L	0.00214	<0.000200	0.00200	107	70 - 130	X515028 - X5D0025-01	11-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	0.102	<0.0050	0.100	102	90 - 110	X514221 - X5D0024-01	10-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.106	<0.0050	0.100	106	90 - 110	X514221 - X5D0024-02	10-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X514171 - X5D0025-01	04-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	106	90 - 110	X514171 - X5D0003-01	04-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.106	<0.0050	0.100	106	82 - 118	X515092 - X5D0024-01	11-Apr-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.11	<0.20	3.00	99.4	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Chloride	mg/L	3.01	<0.20	3.00	95.3	90 - 110	X514144 - X5C0374-02	02-Apr-25	
EPA 300.0	Fluoride	mg/L	2.54	0.565	2.00	98.8	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Fluoride	mg/L	1.91	0.344	2.00	78.1	90 - 110	X514144 - X5C0374-02	02-Apr-25	M2
EPA 300.0	Nitrate as N	mg/L	1.97	<0.050	2.00	97.6	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Nitrate as N	mg/L	1.97	<0.050	2.00	98.4	90 - 110	X514144 - X5C0374-02	02-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.02	<0.100	4.00	101	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.00	<0.100	4.00	99.9	90 - 110	X514144 - X5C0374-02	02-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.05	<0.050	2.00	103	90 - 110	X514144 - X5C0374-01	02-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.03	<0.050	2.00	101	90 - 110	X514144 - X5C0374-02	02-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0025**
Reported: 15-Apr-25 11:24

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	90.7	82.0	10.0	0.30R>S	90 - 110	X514144 - X5C0374-01	02-Apr-25	M4
EPA 300.0	Sulfate as SO4	mg/L	504	494	10.0	104	90 - 110	X514144 - X5C0374-02	03-Apr-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	47.4	49.7	20.0	5.0	20	93	X515039 - X5D0024-01	
EPA 200.7	Magnesium	mg/L	25.6	25.8	20.0	0.7	20	96.0	X515039 - X5D0024-01	
EPA 200.7	Potassium	mg/L	19.6	20.6	20.0	4.7	20	93.3	X515039 - X5D0024-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	0.967	1.00	4.8	20	94.9	X514227 - X5D0002-01	
EPA 200.7	Barium	mg/L	0.998	0.991	1.00	0.7	20	97.1	X514227 - X5D0002-01	
EPA 200.7	Beryllium	mg/L	0.980	0.974	1.00	0.7	20	97.3	X514227 - X5D0002-01	
EPA 200.7	Boron	mg/L	1.07	1.08	1.00	1.0	20	98.6	X514227 - X5D0002-01	
EPA 200.7	Cadmium	mg/L	0.962	0.981	1.00	1.9	20	96.2	X514227 - X5D0002-01	
EPA 200.7	Calcium	mg/L	58.6	58.7	20.0	0.1	20	96.9	X514227 - X5D0002-01	
EPA 200.7	Chromium	mg/L	0.985	0.979	1.00	0.6	20	98.5	X514227 - X5D0002-01	
EPA 200.7	Cobalt	mg/L	0.930	0.951	1.00	2.2	20	93.0	X514227 - X5D0002-01	
EPA 200.7	Copper	mg/L	0.958	0.960	1.00	0.2	20	95.2	X514227 - X5D0002-01	
EPA 200.7	Iron	mg/L	9.50	9.47	10.0	0.4	20	94.2	X514227 - X5D0002-01	
EPA 200.7	Lead	mg/L	0.943	0.959	1.00	1.8	20	94.3	X514227 - X5D0002-01	
EPA 200.7	Lithium	mg/L	1.00	0.990	1.00	1.4	20	100	X514227 - X5D0002-01	
EPA 200.7	Magnesium	mg/L	27.5	27.5	20.0	0.1	20	95.0	X514227 - X5D0002-01	
EPA 200.7	Manganese	mg/L	0.997	0.987	1.00	1.0	20	96.7	X514227 - X5D0002-01	
EPA 200.7	Molybdenum	mg/L	0.951	0.967	1.00	1.7	20	95.1	X514227 - X5D0002-01	
EPA 200.7	Nickel	mg/L	0.944	0.956	1.00	1.3	20	94.4	X514227 - X5D0002-01	
EPA 200.7	Potassium	mg/L	27.9	27.8	20.0	0.4	20	101	X514227 - X5D0002-01	
EPA 200.7	Silver	mg/L	0.0492	0.0482	0.0500	2.0	20	98.3	X514227 - X5D0002-01	
EPA 200.7	Sodium	mg/L	166	164	19.0	1.0	20	119	X514227 - X5D0002-01	
EPA 200.7	Vanadium	mg/L	0.980	0.983	1.00	0.3	20	98.0	X514227 - X5D0002-01	
EPA 200.7	Zinc	mg/L	1.00	1.02	1.00	1.5	20	96.6	X514227 - X5D0002-01	
EPA 200.8	Antimony	mg/L	0.0269	0.0265	0.0250	1.3	20	107	X515160 - X5D0003-01	
EPA 200.8	Arsenic	mg/L	0.0268	0.0277	0.0250	3.3	20	107	X515160 - X5D0003-01	
EPA 200.8	Selenium	mg/L	0.0262	0.0263	0.0250	0.6	20	105	X515160 - X5D0003-01	
EPA 200.8	Thallium	mg/L	0.0278	0.0278	0.0250	0.3	20	111	X515160 - X5D0003-01	
EPA 200.8	Uranium	mg/L	0.0279	0.0282	0.0250	1.1	20	111	X515160 - X5D0003-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00201	0.00204	0.00200	1.4	20	101	X515028 - X5D0002-01	
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	0.103	0.102	0.100	0.8	20	103	X514221 - X5D0024-01	
EPA 350.1	Ammonia as N	mg/L	1.08	1.07	1.00	1.5	20	108	X514171 - X5D0025-01	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.106	0.100	0.2	11	106	X515092 - X5D0024-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.11	3.11	3.00	0.2	20	99.3	X514144 - X5C0374-01	
EPA 300.0	Fluoride	mg/L	2.52	2.54	2.00	0.9	20	97.7	X514144 - X5C0374-01	
EPA 300.0	Nitrate as N	mg/L	1.96	1.97	2.00	0.4	20	97.2	X514144 - X5C0374-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.01	4.02	4.00	0.2	20	100	X514144 - X5C0374-01	

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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: **X5D0025**
Reported: 15-Apr-25 11:24

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	Nitrite as N	mg/L	2.05	2.05	2.00	0.1	20	103	X514144 - X5C0374-01	
EPA 300.0	Sulfate as SO4	mg/L	90.8	90.7	10.0	0.2	20	0.30R>S	X514144 - X5C0374-01	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: **X5D0025**
Victor, CO 80860	Reported: 15-Apr-25 11:24

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.
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: **X5D0124**
Reported: 25-Apr-25 10:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-10	X5D0124-01	Ground Water	08-Apr-25 08:50	JC	09-Apr-2025	
GV-06	X5D0124-02	Surface Water	08-Apr-25 09:45	JC	09-Apr-2025	
GVMW-4A	X5D0124-03	Ground Water	08-Apr-25 13:33	JC	09-Apr-2025	

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

Case Narrative: X5D0124

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
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0124**
Reported: 25-Apr-25 10:39

Client Sample ID: **GVMW-10**
SVL Sample ID: **X5D0124-01 (Ground Water)**

Sampled: 08-Apr-25 08:50
Received: 09-Apr-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**	342	mg/L	0.100	0.069		X516033	NMS	04/15/25 14:42	
EPA 200.7	**Magnesium**	140	mg/L	0.500	0.090		X516033	NMS	04/15/25 14:42	
EPA 200.7	**Potassium**	2.62	mg/L	0.50	0.18		X516033	NMS	04/15/25 14:42	
SM 2340 B	**Hardness (as CaCO3)**	1430	mg/L	2.31	0.543		N/A		04/14/25 13:02	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Barium**	0.0147	mg/L	0.0020	0.0019		X516022	SJN	04/14/25 13:02	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Boron**	0.0616	mg/L	0.0400	0.0078		X516022	SJN	04/14/25 13:02	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Calcium**	350	mg/L	0.100	0.069		X516022	SJN	04/14/25 13:02	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X516022	SJN	04/14/25 13:02	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Copper**	0.0121	mg/L	0.0100	0.0027		X516022	SJN	04/14/25 13:02	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X516022	SJN	04/14/25 13:02	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X516022	SJN	04/14/25 13:02	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Magnesium**	140	mg/L	0.500	0.090		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Manganese**	1.80	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Molybdenum**	0.0481	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:02	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Potassium**	2.67	mg/L	0.50	0.18		X516022	SJN	04/14/25 13:02	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Sodium**	38.1	mg/L	0.50	0.12		X516022	SJN	04/14/25 13:02	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:02	
EPA 200.7	**Zinc**	0.114	mg/L	0.0100	0.0054		X516022	SJN	04/14/25 13:02	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515159	SMU	04/15/25 08:35	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515159	SMU	04/15/25 08:35	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515159	SMU	04/15/25 08:35	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515159	SMU	04/15/25 08:35	
EPA 200.8	**Uranium**	0.0386	mg/L	0.000100	0.000052		X515159	SMU	04/15/25 08:35	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515212	MAC	04/18/25 10:49	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:16	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X516007	JPM	04/15/25 12:35	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515141	JPM	04/11/25 13:39	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 16:33	H1
SM 2310 B	**Acidity to pH 8.3**	-339	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	331	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:30	
SM 2320 B	**Bicarbonate**	331	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:30	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:30	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:30	
SM 2540 C	**Total Diss. Solids**	2000	mg/L	40			X515143	TJL	04/11/25 13:20	
SM 2540 D	**Total Susp. Solids**	6.0	mg/L	5.0			X515145	TJL	04/11/25 13:50	
SM 4500 H B	**pH @20.1°C**	7.2	pH Units				X515146	MWD	04/10/25 14:30	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
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0124**
Reported: 25-Apr-25 10:39

Client Sample ID: **GVMW-10**
SVL Sample ID: **X5D0124-01 (Ground Water)**

Sampled: 08-Apr-25 08:50
Received: 09-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.52	mg/L	0.20	0.02		X515109	RS	04/09/25 13:27	
EPA 300.0	**Fluoride**	1.30	mg/L	0.100	0.017		X515109	RS	04/09/25 13:27	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X515109	RS	04/09/25 13:27	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X515109	RS	04/09/25 13:27	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X515109	RS	04/09/25 13:27	
EPA 300.0	**Sulfate as SO4**	1260	mg/L	15.0	9.00	50	X515109	RS	04/09/25 13:42	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 30.4 meq/L Anion Sum: 33.1 meq/L C/A Balance: -4.22 % Calculated TDS: 1992 TDS/cTDS: 1.00

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0124**
Reported: 25-Apr-25 10:39

Client Sample ID: **GV-06**
SVL Sample ID: **X5D0124-02 (Surface Water)**

Sampled: 08-Apr-25 09:45
Received: 09-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 1631E	**Mercury**	1.28	ng/L	0.500	0.120		X515219	MAC	04/17/25 14:59	
EPA 245.1	Mercury	< 0.000093	mg/L	0.000200	0.000093		X516219	SJN	04/23/25 12:54	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.116	mg/L	0.0020	0.0019		X516033	NMS	04/15/25 14:44	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X516033	NMS	04/15/25 14:44	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X516033	NMS	04/15/25 14:44	
EPA 200.7	**Calcium**	43.7	mg/L	0.100	0.069		X516033	NMS	04/15/25 14:44	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X516033	NMS	04/15/25 14:44	
EPA 200.7	**Iron**	1.72	mg/L	0.100	0.056		X516033	NMS	04/15/25 14:44	
EPA 200.7	**Magnesium**	10.4	mg/L	0.500	0.090		X516033	NMS	04/15/25 14:44	
EPA 200.7	**Manganese**	1.56	mg/L	0.0080	0.0034		X516033	NMS	04/15/25 14:44	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X516033	NMS	04/15/25 14:44	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X516033	NMS	04/15/25 14:44	
EPA 200.7	**Phosphorus**	0.052	mg/L	0.050	0.013		X516033	NMS	04/15/25 14:44	
EPA 200.7	**Potassium**	2.33	mg/L	0.50	0.18		X516033	NMS	04/15/25 14:44	
EPA 200.7	**Sodium**	13.0	mg/L	0.50	0.12		X516033	NMS	04/15/25 14:44	
EPA 200.7	**Zinc**	0.0142	mg/L	0.0100	0.0054		X516033	NMS	04/15/25 14:44	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X516032	JRR	04/21/25 10:33	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X516032	JRR	04/21/25 10:33	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X516032	JRR	04/21/25 10:33	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X516032	JRR	04/21/25 10:33	
EPA 200.8	**Copper**	0.00053	mg/L	0.00040	0.00036		X516032	JRR	04/21/25 10:33	
EPA 200.8	**Lead**	0.00070	mg/L	0.00020	0.00014		X516032	JRR	04/21/25 10:33	B10
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X516032	JRR	04/21/25 10:33	
SM 2340 B	**Hardness (as CaC03)**	150	mg/L	2.31	0.543		N/A		04/15/25 14:44	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X516022	SJN	04/14/25 13:04	
EPA 200.7	**Barium**	0.101	mg/L	0.0020	0.0019		X516022	SJN	04/14/25 13:04	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X516022	SJN	04/14/25 13:04	
EPA 200.7	**Calcium**	42.1	mg/L	0.100	0.069		X516022	SJN	04/14/25 13:04	
EPA 200.7	**Iron**	0.391	mg/L	0.100	0.056		X516022	SJN	04/14/25 13:04	
EPA 200.7	**Magnesium**	9.97	mg/L	0.500	0.090		X516022	SJN	04/14/25 13:04	
EPA 200.7	**Manganese**	1.44	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:04	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:04	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X516022	SJN	04/14/25 13:04	
EPA 200.7	**Potassium**	2.23	mg/L	0.50	0.18		X516022	SJN	04/14/25 13:04	
EPA 200.7	**Sodium**	12.7	mg/L	0.50	0.12		X516022	SJN	04/14/25 13:04	
EPA 200.7	**Zinc**	0.0115	mg/L	0.0100	0.0054		X516022	SJN	04/14/25 13:04	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515159	SMU	04/15/25 08:37	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515159	SMU	04/15/25 08:37	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X515159	SMU	04/15/25 08:37	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X515159	SMU	04/15/25 08:37	
EPA 200.8	Copper	< 0.00040	mg/L	0.00040	0.00036		X515159	SMU	04/15/25 08:37	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X515159	SMU	04/15/25 08:37	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515159	SMU	04/15/25 08:37	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X515159	SMU	04/15/25 08:37	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515159	SMU	04/15/25 08:37	
EPA 200.8	**Uranium**	0.00110	mg/L	0.000100	0.000052		X515159	SMU	04/15/25 08:37	

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: **X5D0124**
Reported: 25-Apr-25 10:39

Client Sample ID: **GV-06**
SVL Sample ID: **X5D0124-02 (Surface Water)**

Sampled: 08-Apr-25 09:45
Received: 09-Apr-25
Sampled By: JC

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		X516054	JPM	04/24/25 13:18	H1
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		04/15/25 14:44	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X516007	JPM	04/15/25 12:37	
EPA 350.1	**Ammonia as N**	0.049	mg/L	0.030	0.013		X515141	JPM	04/11/25 13:42	
EPA 351.2	TKN	< 0.50	mg/L	0.50	0.31		X516129	DD	04/17/25 18:18	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 16:35	H1
SM 2310 B	**Acidity to pH 8.3**	-73.8	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	77.6	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:35	
SM 2320 B	**Bicarbonate**	77.6	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:35	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:35	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:35	
SM 2540 C	**Total Diss. Solids**	250	mg/L	10			X515143	TJL	04/11/25 13:20	
SM 2540 D	**Total Susp. Solids**	18.0	mg/L	5.0			X515145	TJL	04/11/25 13:50	
SM 4500 H B	**pH @20.5°C**	7.5	pH Units				X515146	MWD	04/10/25 14:35	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X515149	CND	04/10/25 14:17	
SM 4500-O-G	**Dissolved Oxygen**	6.5	mg/L	0.1			X515197	TJL	04/17/25 14:50	H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X516009	CND	04/14/25 12:50	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		04/15/25 08:37	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	7.38	mg/L	0.20	0.02		X515109	RS	04/09/25 13:58	
EPA 300.0	**Fluoride**	0.638	mg/L	0.100	0.017		X515109	RS	04/09/25 13:58	
EPA 300.0	**Nitrate as N**	0.349	mg/L	0.050	0.013		X515109	RS	04/09/25 13:58	
EPA 300.0	**Nitrate+Nitrite as N**	0.349	mg/L	0.100	0.044		X515109	RS	04/09/25 13:58	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X515109	RS	04/09/25 13:58	
EPA 300.0	**Sulfate as SO4**	100	mg/L	3.00	1.80	10	X515109	RS	04/09/25 14:13	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.61 meq/L Anion Sum: 3.90 meq/L C/A Balance: -3.87 % Calculated TDS: 224 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

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: **X5D0124**
Reported: 25-Apr-25 10:39

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X5D0124-03 (Ground Water)**

Sampled: 08-Apr-25 13:33
Received: 09-Apr-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		X516033	NMS	04/15/25 14:45	
EPA 200.7	**Magnesium**	11.3	mg/L	0.500	0.090		X516033	NMS	04/15/25 14:45	
EPA 200.7	**Potassium**	1.37	mg/L	0.50	0.18		X516033	NMS	04/15/25 14:45	
SM 2340 B	**Hardness (as CaCO3)**	88.2	mg/L	2.31	0.543		N/A		04/15/25 14:45	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X516022	SJN	04/14/25 13:05	
EPA 200.7	**Barium**	0.170	mg/L	0.0020	0.0019		X516022	SJN	04/14/25 13:05	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X516022	SJN	04/14/25 13:05	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X516022	SJN	04/14/25 13:05	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X516022	SJN	04/14/25 13:05	
EPA 200.7	**Calcium**	18.0	mg/L	0.100	0.069		X516022	SJN	04/14/25 13:05	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X516022	SJN	04/14/25 13:05	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X516022	SJN	04/14/25 13:05	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X516022	SJN	04/14/25 13:05	
EPA 200.7	**Iron**	7.51	mg/L	0.100	0.056		X516022	SJN	04/14/25 13:05	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X516022	SJN	04/14/25 13:05	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X516022	SJN	04/14/25 13:05	
EPA 200.7	**Magnesium**	10.5	mg/L	0.500	0.090		X516022	SJN	04/14/25 13:05	
EPA 200.7	**Manganese**	1.90	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:05	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:05	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X516022	SJN	04/14/25 13:05	
EPA 200.7	**Potassium**	1.32	mg/L	0.50	0.18		X516022	SJN	04/14/25 13:05	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:05	
EPA 200.7	**Sodium**	9.43	mg/L	0.50	0.12		X516022	SJN	04/14/25 13:05	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:05	
EPA 200.7	**Zinc**	0.0112	mg/L	0.0100	0.0054		X516022	SJN	04/14/25 13:05	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515159	SMU	04/15/25 08:45	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515159	SMU	04/15/25 08:45	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515159	SMU	04/15/25 08:45	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515159	SMU	04/15/25 08:45	
EPA 200.8	**Uranium**	0.000107	mg/L	0.000100	0.000052		X515159	SMU	04/15/25 08:45	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515212	MAC	04/18/25 10:52	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:21	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X516007	JPM	04/15/25 12:38	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515141	JPM	04/11/25 13:44	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 16:38	H1
SM 2310 B	**Acidity to pH 8.3**	-54.6	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	**Total Alkalinity**	57.5	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:41	
SM 2320 B	**Bicarbonate**	57.5	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:41	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:41	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:41	
SM 2540 C	**Total Diss. Solids**	194	mg/L	10			X515143	TJL	04/11/25 13:20	
SM 2540 D	**Total Susp. Solids**	15.0	mg/L	5.0			X515145	TJL	04/11/25 13:50	
SM 4500 H B	**pH @20.5°C**	6.7	pH Units				X515146	MWD	04/10/25 14:41	H5

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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: **X5D0124**
Reported: 25-Apr-25 10:39

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X5D0124-03 (Ground Water)**

Sampled: 08-Apr-25 13:33
Received: 09-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.10	mg/L	0.20	0.02		X515109	RS	04/09/25 15:13	
EPA 300.0	**Fluoride**	0.162	mg/L	0.100	0.017		X515109	RS	04/09/25 15:13	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X515109	RS	04/09/25 15:13	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X515109	RS	04/09/25 15:13	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X515109	RS	04/09/25 15:13	
EPA 300.0	**Sulfate as SO4**	64.8	mg/L	3.00	1.80	10	X515109	RS	04/09/25 15:29	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.56 meq/L Anion Sum: 2.65 meq/L C/A Balance: -1.84 % Calculated TDS: 144 TDS/cTDS: 1.34

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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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0124**
Reported: 25-Apr-25 10:39

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	X515219	17-Apr-25	
EPA 1631E	Mercury	ng/L	<0.500	0.120	0.500	X515219	17-Apr-25	
EPA 1631E	Mercury	ng/L	<0.500	0.120	0.500	X515219	17-Apr-25	
EPA 245.1	Mercury	mg/L	<0.000093	0.000093	0.000200	X516219	23-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	X516033	15-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X516033	15-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X516033	15-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X516033	15-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X516033	15-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X516033	15-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X516033	15-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X516033	15-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X516033	15-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X516033	15-Apr-25	
EPA 200.7	Phosphorus	mg/L	<0.050	0.013	0.050	X516033	15-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X516033	15-Apr-25	
EPA 200.7	Sodium	mg/L	<0.12	0.12	0.50	X516033	15-Apr-25	U
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X516033	15-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X516032	21-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X516032	21-Apr-25	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X516032	21-Apr-25	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X516032	21-Apr-25	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X516032	21-Apr-25	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X516032	21-Apr-25	B10,B7
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X516032	21-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X516022	14-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X516022	14-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X516022	14-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X516022	14-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X516022	14-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X516022	14-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X516022	14-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X516022	14-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X516022	14-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X516022	14-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X516022	14-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X516022	14-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X516022	14-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X516022	14-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X516022	14-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X516022	14-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X516022	14-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X516022	14-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X516022	14-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X516022	14-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X516022	14-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X515159	15-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X515159	15-Apr-25	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X515159	15-Apr-25	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X515159	15-Apr-25	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X515159	15-Apr-25	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X515159	15-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X515159	15-Apr-25	
EPA 200.8	Silver	mg/L	<0.00008	0.000061	0.00008	X515159	15-Apr-25	

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Cripple Creek & Victor Gold Mining Company
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0124**
Reported: 25-Apr-25 10:39

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Dissolved) (Continued)								
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X515159	15-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X515159	15-Apr-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X515212	18-Apr-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X516054	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X516007	15-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X515141	11-Apr-25	
EPA 351.2	TKN	mg/L	<0.50	0.31	0.50	X516129	17-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X515143	11-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X515145	11-Apr-25	
SM 4500 S D	Sulfide	mg/L	<0.050	0.020	0.050	X515149	10-Apr-25	
Dissolved Classical Chemistry Parameters								
SM 3500 Cr B	Hexavalent Chromium	mg/L	<0.0050	0.0019	0.0050	X516009	14-Apr-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X515109	09-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X515109	09-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X515109	09-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X515109	09-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X515109	09-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X515109	09-Apr-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	5.07	5.00	101	77 - 123	X515219	17-Apr-25	
EPA 245.1	Mercury	mg/L	0.00188	0.00200	93.8	85 - 115	X516219	23-Apr-25	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Barium	mg/L	0.955	1.00	95.5	85 - 115	X516033	15-Apr-25	
EPA 200.7	Beryllium	mg/L	0.949	1.00	94.9	85 - 115	X516033	15-Apr-25	
EPA 200.7	Boron	mg/L	0.976	1.00	97.6	85 - 115	X516033	15-Apr-25	
EPA 200.7	Calcium	mg/L	19.0	20.0	95	85 - 115	X516033	15-Apr-25	
EPA 200.7	Chromium	mg/L	0.938	1.00	93.8	85 - 115	X516033	15-Apr-25	
EPA 200.7	Iron	mg/L	9.64	10.0	96.4	85 - 115	X516033	15-Apr-25	
EPA 200.7	Magnesium	mg/L	19.3	20.0	96.3	85 - 115	X516033	15-Apr-25	
EPA 200.7	Manganese	mg/L	0.933	1.00	93.3	85 - 115	X516033	15-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.951	1.00	95.1	85 - 115	X516033	15-Apr-25	
EPA 200.7	Nickel	mg/L	0.912	1.00	91.2	85 - 115	X516033	15-Apr-25	
EPA 200.7	Phosphorus	mg/L	0.986	1.00	98.6	85 - 115	X516033	15-Apr-25	
EPA 200.7	Potassium	mg/L	18.8	20.0	94.0	85 - 115	X516033	15-Apr-25	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.5	85 - 115	X516033	15-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: **X5D0124**
Reported: 25-Apr-25 10:39

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)									
EPA 200.7	Zinc	mg/L	0.944	1.00	94.4	85 - 115	X516033	15-Apr-25	
EPA 200.8	Antimony	mg/L	0.0251	0.0250	100	85 - 115	X516032	21-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0247	0.0250	98.9	85 - 115	X516032	21-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0249	0.0250	99.8	85 - 115	X516032	21-Apr-25	
EPA 200.8	Chromium	mg/L	0.0257	0.0250	103	85 - 115	X516032	21-Apr-25	
EPA 200.8	Copper	mg/L	0.0265	0.0250	106	85 - 115	X516032	21-Apr-25	
EPA 200.8	Lead	mg/L	0.0250	0.0250	100	85 - 115	X516032	21-Apr-25	B10,B7
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.8	85 - 115	X516032	21-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.967	1.00	96.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Barium	mg/L	0.988	1.00	98.8	85 - 115	X516022	14-Apr-25	
EPA 200.7	Beryllium	mg/L	0.974	1.00	97.4	85 - 115	X516022	14-Apr-25	
EPA 200.7	Boron	mg/L	1.00	1.00	100	85 - 115	X516022	14-Apr-25	
EPA 200.7	Cadmium	mg/L	0.968	1.00	96.8	85 - 115	X516022	14-Apr-25	
EPA 200.7	Calcium	mg/L	18.8	20.0	94.0	85 - 115	X516022	14-Apr-25	
EPA 200.7	Chromium	mg/L	0.974	1.00	97.4	85 - 115	X516022	14-Apr-25	
EPA 200.7	Cobalt	mg/L	0.941	1.00	94.1	85 - 115	X516022	14-Apr-25	
EPA 200.7	Copper	mg/L	0.948	1.00	94.8	85 - 115	X516022	14-Apr-25	
EPA 200.7	Iron	mg/L	9.70	10.0	97.0	85 - 115	X516022	14-Apr-25	
EPA 200.7	Lead	mg/L	0.965	1.00	96.5	85 - 115	X516022	14-Apr-25	
EPA 200.7	Lithium	mg/L	0.967	1.00	96.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Manganese	mg/L	0.963	1.00	96.3	85 - 115	X516022	14-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.983	1.00	98.3	85 - 115	X516022	14-Apr-25	
EPA 200.7	Nickel	mg/L	0.946	1.00	94.6	85 - 115	X516022	14-Apr-25	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.6	85 - 115	X516022	14-Apr-25	
EPA 200.7	Silver	mg/L	0.0469	0.0500	93.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.1	85 - 115	X516022	14-Apr-25	
EPA 200.7	Vanadium	mg/L	0.984	1.00	98.4	85 - 115	X516022	14-Apr-25	
EPA 200.7	Zinc	mg/L	0.966	1.00	96.6	85 - 115	X516022	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0251	0.0250	100	85 - 115	X515159	15-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0257	0.0250	103	85 - 115	X515159	15-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0254	0.0250	102	85 - 115	X515159	15-Apr-25	
EPA 200.8	Chromium	mg/L	0.0258	0.0250	103	85 - 115	X515159	15-Apr-25	
EPA 200.8	Copper	mg/L	0.0263	0.0250	105	85 - 115	X515159	15-Apr-25	
EPA 200.8	Lead	mg/L	0.0252	0.0250	101	85 - 115	X515159	15-Apr-25	
EPA 200.8	Selenium	mg/L	0.0250	0.0250	99.8	85 - 115	X515159	15-Apr-25	
EPA 200.8	Silver	mg/L	0.0254	0.0250	101	85 - 115	X515159	15-Apr-25	
EPA 200.8	Thallium	mg/L	0.0250	0.0250	99.9	85 - 115	X515159	15-Apr-25	
EPA 200.8	Uranium	mg/L	0.0254	0.0250	102	85 - 115	X515159	15-Apr-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00198	0.00200	98.8	85 - 115	X515212	18-Apr-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.100	0.100	100	90 - 110	X516054	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0913	0.100	91.3	90 - 110	X516007	15-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.989	1.00	98.9	90 - 110	X515141	11-Apr-25	
EPA 351.2	TKN	mg/L	8.54	8.00	107	90 - 110	X516129	17-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	94 - 106	X515146	10-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	94 - 106	X515146	10-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	419	397	105	94 - 106	X515146	10-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X515145	11-Apr-25	
SM 4500 S D	Sulfide	mg/L	0.491	0.500	98.2	85 - 115	X515149	10-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0124**
Reported: 25-Apr-25 10:39

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Dissolved Classical Chemistry Parameters									
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0996	0.100	99.6	80 - 120	X516009	14-Apr-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.07	3.00	102	90 - 110	X515109	09-Apr-25	
EPA 300.0	Fluoride	mg/L	2.04	2.00	102	90 - 110	X515109	09-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.04	2.00	102	90 - 110	X515109	09-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.69	4.50	104	90 - 110	X515109	09-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.65	2.50	106	90 - 110	X515109	09-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X515109	09-Apr-25	

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X515176 - X5D0024-01	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	69.7	66.5	4.7	20	X515146 - X5D0046-01	10-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	62.2	62.1	0.2	20	X515146 - X5D0046-01	10-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X515146 - X5D0046-01	10-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	246	250	1.6	10	X515143 - X5D0124-02	11-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	356	365	2.5	10	X515143 - X5D0135-02	11-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	103	102	1.0	10	X515145 - X5D0126-02	11-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	19.0	18.0	5.4	10	X515145 - X5D0124-02	11-Apr-25	
SM 4500 H B	pH @19.6°C	pH Units	8.7	8.6	0.9	20	X515146 - X5D0046-01	10-Apr-25	
SM 4500-O-G	Dissolved Oxygen	mg/L	8.0	8.0	0.0	20	X515197 - X5D0026-01	17-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	3.22	0.946	2.50	90.8	71 - 125	X515219 - X5D0107-01	17-Apr-25	
EPA 1631E	Mercury	ng/L	3.28	0.858	2.50	96.9	71 - 125	X515219 - X5D0108-01	17-Apr-25	
EPA 245.1	Mercury	mg/L	0.00186	<0.000093	0.00200	93.0	70 - 130	X516219 - X5D0252-01	23-Apr-25	
EPA 245.1	Mercury	mg/L	0.00189	<0.000093	0.00200	94.5	70 - 130	X516219 - X5D0348-01	23-Apr-25	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	1.14	0.184	1.00	96.0	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Beryllium	mg/L	0.955	<0.00200	1.00	95.4	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	98.4	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Calcium	mg/L	38.5	18.4	20.0	100	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Chromium	mg/L	0.924	<0.0060	1.00	92.4	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Iron	mg/L	19.3	9.23	10.0	100	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Magnesium	mg/L	31.4	11.3	20.0	100	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Manganese	mg/L	2.77	1.95	1.00	81.7	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.943	<0.0080	1.00	94.3	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Nickel	mg/L	0.885	<0.0100	1.00	88.5	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Phosphorus	mg/L	1.06	0.082	1.00	98.0	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Potassium	mg/L	20.8	1.37	20.0	97.3	70 - 130	X516033 - X5D0124-03	15-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0124**
Reported: 25-Apr-25 10:39

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)										
EPA 200.7	Sodium	mg/L	28.6	9.66	19.0	99.8	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.7	Zinc	mg/L	0.947	0.0178	1.00	92.9	70 - 130	X516033 - X5D0124-03	15-Apr-25	
EPA 200.8	Antimony	mg/L	0.0254	<0.00100	0.0250	102	70 - 130	X516032 - X5D0124-02	21-Apr-25	
EPA 200.8	Antimony	mg/L	0.0245	<0.00100	0.0250	98.2	70 - 130	X516032 - X5D0175-02	21-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0252	<0.00100	0.0250	98.4	70 - 130	X516032 - X5D0124-02	21-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0261	0.00148	0.0250	98.4	70 - 130	X516032 - X5D0175-02	21-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0254	<0.000100	0.0250	102	70 - 130	X516032 - X5D0124-02	21-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0245	<0.000100	0.0250	97.8	70 - 130	X516032 - X5D0175-02	21-Apr-25	
EPA 200.8	Chromium	mg/L	0.0245	<0.00100	0.0250	98.0	70 - 130	X516032 - X5D0124-02	21-Apr-25	
EPA 200.8	Chromium	mg/L	0.0249	<0.00100	0.0250	98.5	70 - 130	X516032 - X5D0175-02	21-Apr-25	
EPA 200.8	Copper	mg/L	0.0256	0.00053	0.0250	100	70 - 130	X516032 - X5D0124-02	21-Apr-25	
EPA 200.8	Copper	mg/L	0.0259	<0.00040	0.0250	103	70 - 130	X516032 - X5D0175-02	21-Apr-25	
EPA 200.8	Lead	mg/L	0.0252	0.00070	0.0250	98.0	70 - 130	X516032 - X5D0124-02	21-Apr-25	B10,B7
EPA 200.8	Selenium	mg/L	0.0237	<0.00100	0.0250	94.9	70 - 130	X516032 - X5D0124-02	21-Apr-25	
EPA 200.8	Selenium	mg/L	0.0227	<0.00100	0.0250	90.8	70 - 130	X516032 - X5D0175-02	21-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	14.6	13.4	1.00	116	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Barium	mg/L	1.03	0.0241	1.00	100	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Boron	mg/L	1.14	0.0648	1.00	108	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Cadmium	mg/L	1.00	0.0028	1.00	99.8	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Calcium	mg/L	166	145	20.0	104	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Chromium	mg/L	1.00	<0.0060	1.00	100	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Cobalt	mg/L	1.01	0.0523	1.00	96.2	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Copper	mg/L	1.01	<0.0100	1.00	101	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Iron	mg/L	10.7	0.442	10.0	102	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Lead	mg/L	0.997	<0.0075	1.00	99.7	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Lithium	mg/L	1.13	<0.040	1.00	113	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Magnesium	mg/L	63.5	43.8	20.0	98.7	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Manganese	mg/L	12.0	11.2	1.00	83.8	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.03	<0.0080	1.00	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Nickel	mg/L	1.07	0.104	1.00	96.5	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Potassium	mg/L	26.2	5.60	20.0	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Silver	mg/L	0.0490	<0.0050	0.0500	98.1	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Sodium	mg/L	41.9	22.4	19.0	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Vanadium	mg/L	1.03	<0.0050	1.00	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Zinc	mg/L	2.09	1.11	1.00	98.3	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0275	0.00183	0.0250	103	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Antimony	mg/L	0.0270	0.00118	0.0250	103	70 - 130	X515159 - X5D0108-02	15-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0256	<0.00100	0.0250	100	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0247	<0.00100	0.0250	97.3	70 - 130	X515159 - X5D0108-02	15-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0253	<0.000100	0.0250	101	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Cadmium	mg/L	0.0254	<0.000100	0.0250	101	70 - 130	X515159 - X5D0108-02	15-Apr-25	
EPA 200.8	Chromium	mg/L	0.0259	0.00169	0.0250	97.0	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Chromium	mg/L	0.0250	<0.00100	0.0250	97.2	70 - 130	X515159 - X5D0108-02	15-Apr-25	
EPA 200.8	Copper	mg/L	0.0252	0.00060	0.0250	98.6	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Copper	mg/L	0.0243	0.00046	0.0250	95.4	70 - 130	X515159 - X5D0108-02	15-Apr-25	
EPA 200.8	Lead	mg/L	0.0245	<0.00020	0.0250	98.0	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Lead	mg/L	0.0245	<0.00020	0.0250	98.1	70 - 130	X515159 - X5D0108-02	15-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0124**
Reported: 25-Apr-25 10:39

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.8	Selenium	mg/L	0.0249	0.00135	0.0250	94.2	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Selenium	mg/L	0.0249	0.00114	0.0250	95.1	70 - 130	X515159 - X5D0108-02	15-Apr-25	
EPA 200.8	Silver	mg/L	0.0248	<0.00008	0.0250	99.1	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Silver	mg/L	0.0249	<0.00008	0.0250	99.6	70 - 130	X515159 - X5D0108-02	15-Apr-25	
EPA 200.8	Thallium	mg/L	0.0243	<0.000200	0.0250	97.3	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Thallium	mg/L	0.0244	<0.000200	0.0250	97.5	70 - 130	X515159 - X5D0108-02	15-Apr-25	
EPA 200.8	Uranium	mg/L	0.0258	0.000283	0.0250	102	70 - 130	X515159 - X5D0055-01	15-Apr-25	
EPA 200.8	Uranium	mg/L	0.0260	0.000450	0.0250	102	70 - 130	X515159 - X5D0108-02	15-Apr-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00216	<0.000200	0.00200	108	70 - 130	X515212 - X5D0123-01	18-Apr-25	
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	105	70 - 130	X515212 - X5D0166-01	18-Apr-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.102	<0.0050	0.100	102	79 - 121	X516054 - X5D0124-01	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0982	<0.0050	0.100	98.2	90 - 110	X516007 - X5D0165-11	15-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X516007 - X5D0165-08	15-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.966	<0.030	1.00	96.6	90 - 110	X515141 - X5D0124-03	11-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.947	<0.030	1.00	94.7	90 - 110	X515141 - X5D0124-01	11-Apr-25	
EPA 351.2	TKN	mg/L	9.13	0.63	8.00	106	90 - 110	X516129 - X5D0129-10	17-Apr-25	
EPA 351.2	TKN	mg/L	9.07	0.62	8.00	106	90 - 110	X516129 - X5D0129-09	17-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.104	<0.0050	0.100	104	82 - 118	X516133 - X5D0124-01	24-Apr-25	
SM 4500 S D	Sulfide	mg/L	0.204	<0.050	0.200	102	75 - 125	X515149 - X5D0129-01	10-Apr-25	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0103	<0.0050	0.0222	46.5	75 - 125	X516009 - X5D0059-01	14-Apr-25	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	5.02	1.93	3.00	103	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Fluoride	mg/L	2.25	0.228	2.00	101	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.77	0.725	2.00	102	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.86	0.725	4.00	103	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.09	<0.050	2.00	104	90 - 110	X515109 - X5D0123-01	09-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	31.2	20.9	10.0	102	90 - 110	X515109 - X5D0123-01	09-Apr-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	3.33	3.22	2.50	3.5	24	95.4	X515219 - X5D0107-01	
EPA 1631E	Mercury	ng/L	3.41	3.28	2.50	3.7	24	102	X515219 - X5D0108-01	
EPA 245.1	Mercury	mg/L	0.00190	0.00186	0.00200	2.0	20	94.9	X516219 - X5D0252-01	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	1.12	1.14	1.00	2.0	20	93.8	X516033 - X5D0124-03	
EPA 200.7	Beryllium	mg/L	0.963	0.955	1.00	0.9	20	96.2	X516033 - X5D0124-03	
EPA 200.7	Boron	mg/L	1.04	1.02	1.00	2.1	20	101	X516033 - X5D0124-03	
EPA 200.7	Calcium	mg/L	37.2	38.5	20.0	3.0	20	94	X516033 - X5D0124-03	
EPA 200.7	Chromium	mg/L	0.945	0.924	1.00	2.3	20	94.5	X516033 - X5D0124-03	
EPA 200.7	Iron	mg/L	18.6	19.3	10.0	3.2	20	94.1	X516033 - X5D0124-03	

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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: **X5D0124**
Reported: 25-Apr-25 10:39

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)										
EPA 200.7	Magnesium	mg/L	30.6	31.4	20.0	2.5	20	96.4	X516033 - X5D0124-03	
EPA 200.7	Manganese	mg/L	2.85	2.77	1.00	2.8	20	89.5	X516033 - X5D0124-03	
EPA 200.7	Molybdenum	mg/L	0.960	0.943	1.00	1.8	20	96.0	X516033 - X5D0124-03	
EPA 200.7	Nickel	mg/L	0.901	0.885	1.00	1.8	20	90.1	X516033 - X5D0124-03	
EPA 200.7	Phosphorus	mg/L	1.08	1.06	1.00	1.6	20	99.6	X516033 - X5D0124-03	
EPA 200.7	Potassium	mg/L	20.1	20.8	20.0	3.4	20	93.8	X516033 - X5D0124-03	
EPA 200.7	Sodium	mg/L	27.6	28.6	19.0	3.7	20	94.4	X516033 - X5D0124-03	
EPA 200.7	Zinc	mg/L	0.965	0.947	1.00	1.9	20	94.7	X516033 - X5D0124-03	
EPA 200.8	Antimony	mg/L	0.0251	0.0254	0.0250	1.2	20	100	X516032 - X5D0124-02	
EPA 200.8	Arsenic	mg/L	0.0250	0.0252	0.0250	0.9	20	97.5	X516032 - X5D0124-02	
EPA 200.8	Cadmium	mg/L	0.0252	0.0254	0.0250	0.7	20	101	X516032 - X5D0124-02	
EPA 200.8	Chromium	mg/L	0.0241	0.0245	0.0250	1.8	20	96.3	X516032 - X5D0124-02	
EPA 200.8	Copper	mg/L	0.0251	0.0256	0.0250	2.0	20	98.2	X516032 - X5D0124-02	
EPA 200.8	Lead	mg/L	0.0248	0.0252	0.0250	1.5	20	96.5	X516032 - X5D0124-02	B10,B7
EPA 200.8	Selenium	mg/L	0.0233	0.0237	0.0250	1.6	20	93.4	X516032 - X5D0124-02	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	14.6	14.6	1.00	0.3	20	120	X516022 - X5D0163-01	
EPA 200.7	Barium	mg/L	1.01	1.03	1.00	2.0	20	98.3	X516022 - X5D0163-01	
EPA 200.7	Beryllium	mg/L	0.993	1.04	1.00	4.6	20	99.2	X516022 - X5D0163-01	
EPA 200.7	Boron	mg/L	1.12	1.14	1.00	2.4	20	105	X516022 - X5D0163-01	
EPA 200.7	Cadmium	mg/L	0.969	1.00	1.00	3.2	20	96.6	X516022 - X5D0163-01	
EPA 200.7	Calcium	mg/L	164	166	20.0	1.0	20	95.7	X516022 - X5D0163-01	
EPA 200.7	Chromium	mg/L	0.975	1.00	1.00	2.8	20	97.5	X516022 - X5D0163-01	
EPA 200.7	Cobalt	mg/L	0.988	1.01	1.00	2.7	20	93.5	X516022 - X5D0163-01	
EPA 200.7	Copper	mg/L	0.987	1.01	1.00	2.8	20	98.2	X516022 - X5D0163-01	
EPA 200.7	Iron	mg/L	10.3	10.7	10.0	3.8	20	98.4	X516022 - X5D0163-01	
EPA 200.7	Lead	mg/L	0.966	0.997	1.00	3.2	20	96.6	X516022 - X5D0163-01	
EPA 200.7	Lithium	mg/L	1.09	1.13	1.00	2.9	20	109	X516022 - X5D0163-01	
EPA 200.7	Magnesium	mg/L	63.6	63.5	20.0	0.1	20	98.9	X516022 - X5D0163-01	
EPA 200.7	Manganese	mg/L	12.1	12.0	1.00	0.7	20	92.4	X516022 - X5D0163-01	
EPA 200.7	Molybdenum	mg/L	0.995	1.03	1.00	3.2	20	99.5	X516022 - X5D0163-01	
EPA 200.7	Nickel	mg/L	1.04	1.07	1.00	2.9	20	93.5	X516022 - X5D0163-01	
EPA 200.7	Potassium	mg/L	25.3	26.2	20.0	3.4	20	98.4	X516022 - X5D0163-01	
EPA 200.7	Silver	mg/L	0.0477	0.0490	0.0500	2.7	20	95.5	X516022 - X5D0163-01	
EPA 200.7	Sodium	mg/L	41.0	41.9	19.0	2.2	20	97.8	X516022 - X5D0163-01	
EPA 200.7	Vanadium	mg/L	0.998	1.03	1.00	3.0	20	99.8	X516022 - X5D0163-01	
EPA 200.7	Zinc	mg/L	2.06	2.09	1.00	1.4	20	95.4	X516022 - X5D0163-01	
EPA 200.8	Antimony	mg/L	0.0279	0.0275	0.0250	1.5	20	104	X515159 - X5D0055-01	
EPA 200.8	Arsenic	mg/L	0.0258	0.0256	0.0250	0.9	20	101	X515159 - X5D0055-01	
EPA 200.8	Cadmium	mg/L	0.0255	0.0253	0.0250	0.7	20	102	X515159 - X5D0055-01	
EPA 200.8	Chromium	mg/L	0.0265	0.0259	0.0250	2.2	20	99.3	X515159 - X5D0055-01	
EPA 200.8	Copper	mg/L	0.0257	0.0252	0.0250	1.7	20	100	X515159 - X5D0055-01	
EPA 200.8	Lead	mg/L	0.0244	0.0245	0.0250	0.4	20	97.6	X515159 - X5D0055-01	
EPA 200.8	Selenium	mg/L	0.0249	0.0249	0.0250	0.0	20	94.2	X515159 - X5D0055-01	
EPA 200.8	Silver	mg/L	0.0249	0.0248	0.0250	0.3	20	99.5	X515159 - X5D0055-01	
EPA 200.8	Thallium	mg/L	0.0243	0.0243	0.0250	0.0	20	97.3	X515159 - X5D0055-01	
EPA 200.8	Uranium	mg/L	0.0256	0.0258	0.0250	0.8	20	101	X515159 - X5D0055-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00216	0.00200	1.3	20	106	X515212 - X5D0123-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0988	0.102	0.100	2.8	11	98.8	X516054 - X5D0124-01	
EPA 335.4	Cyanide (total)	mg/L	0.0919	0.0982	0.100	6.6	20	91.9	X516007 - X5D0165-11	
EPA 350.1	Ammonia as N	mg/L	1.01	0.966	1.00	4.3	20	101	X515141 - X5D0124-03	
EPA 351.2	TKN	mg/L	9.09	9.13	8.00	0.4	20	106	X516129 - X5D0129-10	

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Cripple Creek & Victor Gold Mining Company
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0124**
Reported: 25-Apr-25 10:39

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Classical Chemistry Parameters (Continued)										
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.104	0.100	0.7	11	104	X516133 - X5D0124-01	
SM 4500 S D	Sulfide	mg/L	0.211	0.204	0.200	3.4	20	106	X515149 - X5D0129-01	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0098	0.0103	0.0222	5.6	20	44.0	X516009 - X5D0059-01	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	5.08	5.02	3.00	1.2	20	105	X515109 - X5D0123-01	
EPA 300.0	Fluoride	mg/L	2.28	2.25	2.00	1.5	20	103	X515109 - X5D0123-01	
EPA 300.0	Nitrate as N	mg/L	2.81	2.77	2.00	1.5	20	104	X515109 - X5D0123-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.91	4.86	4.00	1.2	20	105	X515109 - X5D0123-01	
EPA 300.0	Nitrite as N	mg/L	2.10	2.09	2.00	0.7	20	105	X515109 - X5D0123-01	
EPA 300.0	Sulfate as SO4	mg/L	31.1	31.2	10.0	0.1	20	102	X515109 - X5D0123-01	

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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: **X5D0124**
Victor, CO 80860	Reported: 25-Apr-25 10:39

Notes and Definitions

B10	Target analyte detected in method blank above laboratory acceptance limit but below reporting limit.
B7	Target analyte detected in method blank at or above method limit. Concentration found in the sample was 10 times above the concentration found in the method blank.
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.
U	Indicates the analyte was analyzed for but was not detected, result was less than the MDL.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-34	X5D0268-01	Ground Water	15-Apr-25 12:40	MB	16-Apr-2025	Q5
GVMW-35B	X5D0268-02	Ground Water	15-Apr-25 11:15	MB	16-Apr-2025	
GVMW-30	X5D0268-03	Ground Water	15-Apr-25 08:55	MB	16-Apr-2025	Q5
OSABH-16	X5D0268-04	Ground Water	15-Apr-25 08:23	MB	16-Apr-2025	Q5
EMP-17B	X5D0268-05	Ground Water	15-Apr-25 09:21	MB	16-Apr-2025	

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

Case Narrative: X5D0268

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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-34**
SVL Sample ID: **X5D0268-01 (Ground Water)**

Sampled: 15-Apr-25 12:40
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	565	mg/L	0.500	0.345	5	X517033	MAC	04/22/25 15:43	M4
EPA 200.7	**Magnesium**	318	mg/L	0.500	0.090		X517033	MAC	04/22/25 14:11	
EPA 200.7	**Potassium**	4.90	mg/L	0.50	0.18		X517033	MAC	04/22/25 14:11	
SM 2340 B	**Hardness (as CaCO3)**	2840	mg/L	2.31	0.543		N/A		04/22/25 14:11	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	21.9	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:18	M1
EPA 200.7	**Barium**	0.0312	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Beryllium**	0.0198	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Boron**	0.0455	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:08	
EPA 200.7	**Cadmium**	0.0939	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Calcium**	572	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:18	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Cobalt**	0.0796	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Copper**	0.0162	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Iron**	0.142	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:18	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Lithium**	0.194	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Magnesium**	343	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:18	M1
EPA 200.7	**Manganese**	51.3	mg/L	0.0400	0.0170	5	X518021	MAC	04/29/25 16:27	M4
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Nickel**	0.448	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Potassium**	5.04	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:18	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Sodium**	47.6	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:18	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Zinc**	11.6	mg/L	0.0100	0.0054		X518021	MAC	04/29/25 15:18	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:02	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:02	
EPA 200.8	**Selenium**	0.0154	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:02	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X517177	JRR	04/30/25 11:22	D17
EPA 200.8	**Uranium**	0.0341	mg/L	0.000500	0.000260	5	X517177	JRR	04/30/25 11:22	D17
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:08	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:43	
EPA 335.4	**Cyanide (total)**	0.0078	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:43	M2
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X516173	JPM	04/23/25 13:45	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 17:14	
SM 2310 B	**Acidity to pH 8.3**	-183	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	**Total Alkalinity**	190	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:10	
SM 2320 B	**Bicarbonate**	190	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:10	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:10	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:10	
SM 2540 C	**Total Diss. Solids**	4370	mg/L	40			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	132	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @17.6°C**	5.9	pH Units				X517065	MWD	04/23/25 10:10	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-34**
SVL Sample ID: **X5D0268-01 (Ground Water)**

Sampled: 15-Apr-25 12:40
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	30.3	mg/L	1.00	0.11	5	X516150	RS	04/16/25 20:52	
EPA 300.0	**Fluoride**	36.5	mg/L	10.0	1.70	100	X516150	RS	04/16/25 21:08	
EPA 300.0	**Nitrate as N**	12.1	mg/L	0.250	0.065	5	X516150	RS	04/16/25 20:52	
EPA 300.0	**Nitrate+Nitrite as N**	12.1	mg/L	0.500	0.220	5	X516150	RS	04/16/25 20:52	
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X516150	RS	04/16/25 20:52	
EPA 300.0	**Sulfate as SO4**	2920	mg/L	30.0	18.0	100	X516150	RS	04/16/25 21:08	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 61.3 meq/L Anion Sum: 68.2 meq/L C/A Balance: -5.39 % Calculated TDS: 4106 TDS/cTDS: 1.06

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-35B**
SVL Sample ID: **X5D0268-02 (Ground Water)**

Sampled: 15-Apr-25 11:15
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	411	mg/L	0.100	0.069		X517033	MAC	04/22/25 14:24	
EPA 200.7	**Magnesium**	123	mg/L	0.500	0.090		X517033	MAC	04/22/25 14:24	
EPA 200.7	**Potassium**	5.18	mg/L	0.50	0.18		X517033	MAC	04/22/25 14:24	
SM 2340 B	**Hardness (as CaCO3)**	1540	mg/L	2.31	0.543		N/A		04/22/25 14:24	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Barium**	0.0178	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:23	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:23	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:20	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Calcium**	408	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:23	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:23	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:23	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:23	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:23	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:23	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Magnesium**	126	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Manganese**	0.125	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Molybdenum**	0.0104	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:23	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Potassium**	4.64	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:23	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Sodium**	16.1	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:23	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Zinc**	0.0112	mg/L	0.0100	0.0054		X518021	MAC	04/29/25 15:23	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:05	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:05	
EPA 200.8	**Selenium**	0.00469	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:05	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X517177	JRR	04/30/25 10:05	
EPA 200.8	**Uranium**	0.00667	mg/L	0.000100	0.000052		X517177	JRR	04/30/25 10:05	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:14	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:45	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:45	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X516173	JPM	04/23/25 13:48	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 17:27	
SM 2310 B	**Acidity to pH 8.3**	-53.3	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	**Total Alkalinity**	50.9	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:15	
SM 2320 B	**Bicarbonate**	41.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:15	
SM 2320 B	**Carbonate**	9.8	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:15	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:15	
SM 2540 C	**Total Diss. Solids**	2280	mg/L	40			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	50.0	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @17.5°C**	8.7	pH Units				X517065	MWD	04/23/25 10:15	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-35B**
SVL Sample ID: **X5D0268-02 (Ground Water)**

Sampled: 15-Apr-25 11:15
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	92.2	mg/L	20.0	2.20	100	X516150	RS	04/16/25 21:39	
EPA 300.0	Fluoride	< 0.500	mg/L	0.500	0.085	5	X516150	RS	04/16/25 21:23	
EPA 300.0	**Nitrate as N**	13.7	mg/L	0.250	0.065	5	X516150	RS	04/16/25 21:23	
EPA 300.0	**Nitrate+Nitrite as N**	13.7	mg/L	0.500	0.220	5	X516150	RS	04/16/25 21:23	
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X516150	RS	04/16/25 21:23	
EPA 300.0	**Sulfate as SO4**	1350	mg/L	30.0	18.0	100	X516150	RS	04/16/25 21:39	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 31.3 meq/L Anion Sum: 32.7 meq/L C/A Balance: -2.17 % Calculated TDS: 2088 TDS/cTDS: 1.09

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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-30**
SVL Sample ID: **X5D0268-03 (Ground Water)**

Sampled: 15-Apr-25 08:55
Received: 16-Apr-25
Sampled By: MB

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**	445	mg/L	0.100	0.069		X517033	MAC	04/22/25 14:28	
EPA 200.7	**Magnesium**	296	mg/L	0.500	0.090		X517033	MAC	04/22/25 14:28	
EPA 200.7	**Potassium**	7.90	mg/L	0.50	0.18		X517033	MAC	04/22/25 14:28	
SM 2340 B	**Hardness (as CaCO3)**	2380	mg/L	2.31	0.543		N/A		04/22/25 14:28	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	247	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Barium**	0.0134	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Beryllium**	0.557	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:25	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:24	
EPA 200.7	**Cadmium**	0.198	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Calcium**	466	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Chromium**	0.128	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Cobalt**	0.263	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Copper**	0.154	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Iron**	4.09	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Lead**	0.0080	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Lithium**	0.216	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Magnesium**	307	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Manganese**	44.9	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:25	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Nickel**	1.29	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Potassium**	3.90	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:25	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Sodium**	40.9	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:25	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Zinc**	3.48	mg/L	0.0100	0.0054		X518021	MAC	04/29/25 15:25	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:08	
EPA 200.8	**Arsenic**	0.0298	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:08	
EPA 200.8	**Selenium**	0.00454	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:08	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X517177	JRR	04/30/25 10:08	
EPA 200.8	**Uranium**	0.650	mg/L	0.000100	0.000052		X517177	JRR	04/30/25 10:08	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:16	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:48	
EPA 335.4	**Cyanide (total)**	0.0135	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:47	
EPA 350.1	Ammonia as N	< 0.150	mg/L	0.150	0.064	5	X516173	JPM	04/23/25 14:01	D11
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X516133	JPM	04/24/25 17:29	D20
SM 2310 B	**Acidity to pH 8.3**	1650	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:22	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:22	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:22	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:22	
SM 2540 C	**Total Diss. Solids**	5450	mg/L	40			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	263	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @17.7°C**	3.4	pH Units				X517065	MWD	04/23/25 10:22	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-30**
SVL Sample ID: **X5D0268-03 (Ground Water)**

Sampled: 15-Apr-25 08:55
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	2.68	mg/L	1.00	0.11	5	X516150	RS	04/16/25 21:54	
EPA 300.0	**Fluoride**	42.5	mg/L	10.0	1.70	100	X516150	RS	04/16/25 22:10	
EPA 300.0	**Nitrate as N**	1.78	mg/L	0.250	0.065	5	X516150	RS	04/16/25 21:54	
EPA 300.0	**Nitrate+Nitrite as N**	1.81	mg/L	0.500	0.220	5	X516150	RS	04/16/25 21:54	
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X516150	RS	04/16/25 21:54	
EPA 300.0	**Sulfate as SO4**	4160	mg/L	30.0	18.0	100	X516150	RS	04/16/25 22:10	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 81.4 meq/L Anion Sum: 89.1 meq/L C/A Balance: -4.47 % Calculated TDS: 5017 TDS/cTDS: 1.09

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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **OSABH-16**
SVL Sample ID: **X5D0268-04 (Ground Water)**

Sampled: 15-Apr-25 08:23
Received: 16-Apr-25
Sampled By: MB

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**	597	mg/L	1.00	0.690	10	X517033	MAC	04/30/25 15:10	
EPA 200.7	**Magnesium**	267	mg/L	0.500	0.090		X517033	MAC	04/30/25 12:55	
EPA 200.7	**Potassium**	5.78	mg/L	0.50	0.18		X517033	MAC	04/30/25 12:55	
SM 2340 B	**Hardness (as CaCO3)**	2520	mg/L	4.56	2.09		N/A		04/30/25 12:55	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	404	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Barium**	0.0089	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Beryllium**	0.341	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:26	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:28	
EPA 200.7	**Cadmium**	2.12	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Calcium**	408	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Chromium**	0.0214	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Cobalt**	1.42	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Copper**	2.09	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Iron**	10.4	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:26	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Lithium**	0.379	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Magnesium**	249	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Manganese**	404	mg/L	0.160	0.0680	20	X518021	MAC	04/29/25 16:32	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Nickel**	1.35	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Potassium**	4.60	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:26	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Sodium**	21.0	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Vanadium**	0.0084	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Zinc**	77.2	mg/L	0.200	0.108	20	X518021	MAC	04/29/25 16:32	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:29	
EPA 200.8	**Arsenic**	0.0520	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:29	
EPA 200.8	**Selenium**	0.00995	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:29	
EPA 200.8	Thallium	< 0.00200	mg/L	0.00200	0.000800	10	X517177	JRR	04/30/25 11:25	D17
EPA 200.8	**Uranium**	2.67	mg/L	0.00100	0.000520	10	X517177	JRR	04/30/25 11:25	D17,M4
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:18	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:50	
EPA 335.4	**Cyanide (total)**	0.0148	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:49	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X516173	JPM	04/23/25 14:04	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 17:31	
SM 2310 B	**Acidity to pH 8.3**	2540	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:28	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:28	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:28	
SM 2540 C	**Total Diss. Solids**	7320	mg/L	40			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	1070	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @17.9°C**	3.3	pH Units				X517065	MWD	04/23/25 10:28	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **OSABH-16**
SVL Sample ID: **X5D0268-04 (Ground Water)**

Sampled: 15-Apr-25 08:23
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.20	mg/L	1.00	0.11	5	X516150	RS	04/16/25 22:25	
EPA 300.0	**Fluoride**	104	mg/L	10.0	1.70	100	X516150	RS	04/16/25 22:41	
EPA 300.0	**Nitrate as N**	0.983	mg/L	0.250	0.065	5	X516150	RS	04/16/25 22:25	
EPA 300.0	**Nitrate+Nitrite as N**	1.00	mg/L	0.500	0.220	5	X516150	RS	04/16/25 22:25	
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X516150	RS	04/16/25 22:25	
EPA 300.0	**Sulfate as SO4**	5360	mg/L	75.0	45.0	250	X516150	RS	04/17/25 15:27	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 104 meq/L Anion Sum: 117 meq/L C/A Balance: -5.81 % Calculated TDS: 6258 TDS/cTDS: 1.17

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **EMP-17B**
SVL Sample ID: **X5D0268-05 (Ground Water)**

Sampled: 15-Apr-25 09:21
Received: 16-Apr-25
Sampled By: MB

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**	126	mg/L	0.100	0.069		X517033	MAC	04/22/25 14:36	
EPA 200.7	**Magnesium**	51.9	mg/L	0.500	0.090		X517033	MAC	04/22/25 14:36	
EPA 200.7	**Potassium**	2.57	mg/L	0.50	0.18		X517033	MAC	04/22/25 14:36	
SM 2340 B	**Hardness (as CaCO3)**	528	mg/L	2.31	0.543		N/A		04/29/25 15:28	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	20.7	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Barium**	0.0377	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Beryllium**	0.00341	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:28	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:32	
EPA 200.7	**Cadmium**	0.126	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Calcium**	129	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:28	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Cobalt**	0.0862	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Copper**	0.0953	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Iron**	0.446	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:28	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:28	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Magnesium**	55.0	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Manganese**	19.6	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:28	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Nickel**	0.0877	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Potassium**	2.64	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:28	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Sodium**	19.0	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:28	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Zinc**	7.28	mg/L	0.0100	0.0054		X518021	MAC	04/29/25 15:28	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:35	
EPA 200.8	**Arsenic**	0.00258	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:35	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:35	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X517177	JRR	04/30/25 10:35	
EPA 200.8	**Uranium**	0.0516	mg/L	0.000100	0.000052		X517177	JRR	04/30/25 10:35	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:52	
EPA 335.4	**Cyanide (total)**	0.0082	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:51	
EPA 350.1	**Ammonia as N**	0.109	mg/L	0.030	0.013		X516173	JPM	04/23/25 14:06	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 17:33	
SM 2310 B	**Acidity to pH 8.3**	157	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:33	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:33	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:33	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:33	
SM 2540 C	**Total Diss. Solids**	1250	mg/L	10			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	12.0	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @18.1°C**	4.7	pH Units				X517065	MWD	04/23/25 10:33	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **EMP-17B**
SVL Sample ID: **X5D0268-05 (Ground Water)**

Sampled: 15-Apr-25 09:21
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 0.20	mg/L	0.20	0.02		X516150	RS	04/16/25 23:28	
EPA 300.0	**Fluoride**	11.3	mg/L	2.50	0.425	25	X516150	RS	04/16/25 23:43	
EPA 300.0	**Nitrate as N**	0.098	mg/L	0.050	0.013		X516150	RS	04/16/25 23:28	
EPA 300.0	**Nitrate+Nitrite as N**	0.120	mg/L	0.100	0.044		X516150	RS	04/16/25 23:28	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X516150	RS	04/16/25 23:28	
EPA 300.0	**Sulfate as SO4**	715	mg/L	7.50	4.50	25	X516150	RS	04/16/25 23:43	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 14.7 meq/L Anion Sum: 15.5 meq/L C/A Balance: -2.61 % Calculated TDS: 929 TDS/cTDS: 1.34

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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	X517033	22-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X517033	22-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X517033	22-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X518021	29-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X518021	29-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X518021	29-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X518021	29-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X518021	29-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X518021	29-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X518021	29-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X518021	29-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X518021	29-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X518021	29-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X518021	29-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X518021	29-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X518021	29-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X518021	29-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X518021	29-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X518021	29-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X518021	29-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X518021	29-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X518021	29-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X518021	29-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X518021	29-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X517177	30-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X517177	30-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X517177	30-Apr-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X517177	30-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X517177	30-Apr-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X516218	23-Apr-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X516054	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X517002	22-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X516173	23-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X518011	28-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X517065	23-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X517065	23-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X517065	23-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X517065	23-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X516193	21-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X516194	23-Apr-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X516150	16-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X516150	16-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X516150	16-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X516150	16-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X516150	16-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X516150	16-Apr-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	19.3	20.0	96	85 - 115	X517033	22-Apr-25	
EPA 200.7	Magnesium	mg/L	19.6	20.0	97.8	85 - 115	X517033	22-Apr-25	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.0	85 - 115	X517033	22-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.00	1.00	100	85 - 115	X518021	29-Apr-25	
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X518021	29-Apr-25	
EPA 200.7	Beryllium	mg/L	1.02	1.00	102	85 - 115	X518021	29-Apr-25	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Cadmium	mg/L	1.06	1.00	106	85 - 115	X518021	29-Apr-25	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.5	85 - 115	X518021	29-Apr-25	
EPA 200.7	Chromium	mg/L	1.02	1.00	102	85 - 115	X518021	29-Apr-25	
EPA 200.7	Cobalt	mg/L	0.991	1.00	99.1	85 - 115	X518021	29-Apr-25	
EPA 200.7	Copper	mg/L	0.981	1.00	98.1	85 - 115	X518021	29-Apr-25	
EPA 200.7	Iron	mg/L	10.5	10.0	105	85 - 115	X518021	29-Apr-25	
EPA 200.7	Lead	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Lithium	mg/L	0.941	1.00	94.1	85 - 115	X518021	29-Apr-25	
EPA 200.7	Magnesium	mg/L	20.3	20.0	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Manganese	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Nickel	mg/L	0.999	1.00	99.9	85 - 115	X518021	29-Apr-25	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.7	85 - 115	X518021	29-Apr-25	
EPA 200.7	Silver	mg/L	0.0496	0.0500	99.2	85 - 115	X518021	29-Apr-25	
EPA 200.7	Sodium	mg/L	19.3	19.0	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Vanadium	mg/L	1.03	1.00	103	85 - 115	X518021	29-Apr-25	
EPA 200.7	Zinc	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.8	Antimony	mg/L	0.0261	0.0250	105	85 - 115	X517177	30-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0253	0.0250	101	85 - 115	X517177	30-Apr-25	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.8	85 - 115	X517177	30-Apr-25	
EPA 200.8	Thallium	mg/L	0.0266	0.0250	106	85 - 115	X517177	30-Apr-25	
EPA 200.8	Uranium	mg/L	0.0268	0.0250	107	85 - 115	X517177	30-Apr-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00192	0.00200	96.0	85 - 115	X516218	23-Apr-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.100	0.100	100	90 - 110	X516054	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0985	0.100	98.5	90 - 110	X517002	22-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.987	1.00	98.7	90 - 110	X516173	23-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1210	1180	102	95.4 - 104	X518011	28-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.1	9.93	102	94 - 106	X517065	23-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	99.7	99.3	100	94 - 106	X517065	23-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X516194	23-Apr-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.11	3.00	104	90 - 110	X516150	16-Apr-25	
EPA 300.0	Fluoride	mg/L	2.07	2.00	103	90 - 110	X516150	16-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X516150	16-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.69	4.50	104	90 - 110	X516150	16-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.63	2.50	105	90 - 110	X516150	16-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X516150	16-Apr-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	X518011 - X5D0268-01	28-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	56.4	50.9	10.3	20	X517065 - X5D0268-02	23-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	40.6	41.0	1.0	20	X517065 - X5D0268-02	23-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X517065 - X5D0268-02	23-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	161	169	4.9	10	X516193 - X5D0298-02	21-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	312	315	1.0	10	X516193 - X5D0298-04	21-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	7.0	7.0	0.0	10	X516194 - X5D0273-02	23-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X516194 - X5D0282-02	23-Apr-25	
SM 4500 H B	pH @16.3°C	pH Units	8.8	8.7	0.7	20	X517065 - X5D0268-02	23-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	576	565	20.0	0.30R>S	70 - 130	X517033 - X5D0268-01	22-Apr-25	M4
EPA 200.7	Magnesium	mg/L	336	318	20.0	88.0	70 - 130	X517033 - X5D0268-01	22-Apr-25	
EPA 200.7	Potassium	mg/L	26.5	4.90	20.0	108	70 - 130	X517033 - X5D0268-01	22-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	23.3	21.9	1.00	0.30R>S	70 - 130	X518021 - X5D0268-01	29-Apr-25	M1
EPA 200.7	Barium	mg/L	1.03	0.0312	1.00	100	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Beryllium	mg/L	1.01	0.0198	1.00	98.8	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Boron	mg/L	1.03	0.0455	1.00	98.7	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Boron	mg/L	0.911	<0.800	1.00	91.1	70 - 130	X518021 - X5D0397-14	29-Apr-25	D11
EPA 200.7	Cadmium	mg/L	1.06	0.0939	1.00	97.0	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Calcium	mg/L	595	572	20.0	117	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Chromium	mg/L	0.977	<0.0060	1.00	97.7	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Cobalt	mg/L	1.03	0.0796	1.00	95.4	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Copper	mg/L	1.05	0.0162	1.00	104	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Iron	mg/L	10.2	0.142	10.0	100	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Lead	mg/L	0.969	<0.0075	1.00	96.9	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Lithium	mg/L	1.36	0.194	1.00	116	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Magnesium	mg/L	376	343	20.0	0.30R>S	70 - 130	X518021 - X5D0268-01	29-Apr-25	M1
EPA 200.7	Manganese	mg/L	51.3	51.3	1.00	0.30R>S	70 - 130	X518021 - X5D0268-01	29-Apr-25	M4
EPA 200.7	Molybdenum	mg/L	0.989	<0.0080	1.00	98.9	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Nickel	mg/L	1.42	0.448	1.00	96.9	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Potassium	mg/L	24.9	5.04	20.0	99.3	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Silver	mg/L	0.0483	<0.0050	0.0500	96.5	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Sodium	mg/L	67.3	47.6	19.0	104	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Vanadium	mg/L	1.02	<0.0050	1.00	102	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Zinc	mg/L	12.6	11.6	1.00	94.5	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.8	Antimony	mg/L	0.0278	<0.00100	0.0250	111	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Antimony	mg/L	0.0270	<0.00100	0.0250	108	70 - 130	X517177 - X5D0268-04	30-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0302	<0.00100	0.0250	121	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0822	0.0520	0.0250	121	70 - 130	X517177 - X5D0268-04	30-Apr-25	
EPA 200.8	Selenium	mg/L	0.0326	0.00203	0.0250	122	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Selenium	mg/L	0.0395	0.00995	0.0250	118	70 - 130	X517177 - X5D0268-04	30-Apr-25	
EPA 200.8	Thallium	mg/L	0.0277	<0.000200	0.0250	111	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Thallium	mg/L	0.0266	<0.00200	0.0250	106	70 - 130	X517177 - X5D0268-04	30-Apr-25	D17

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	Uranium	mg/L	0.0344	0.00482	0.0250	118	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Uranium	mg/L	2.82	2.67	0.0250	0.30R>S	70 - 130	X517177 - X5D0268-04	30-Apr-25	D17,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00207	<0.000200	0.00200	103	70 - 130	X516218 - X5D0268-01	23-Apr-25	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X516218 - X5D0306-01	23-Apr-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.102	<0.0050	0.100	102	79 - 121	X516054 - X5D0124-01	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0985	0.0078	0.100	90.7	90 - 110	X517002 - X5D0268-01	22-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X516173 - X5D0268-02	23-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X516173 - X5D0268-01	23-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.104	<0.0050	0.100	104	82 - 118	X516133 - X5D0124-01	24-Apr-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	17.4	14.0	3.00	0.30R>S	90 - 110	X516150 - X5D0254-21	16-Apr-25	M4
EPA 300.0	Chloride	mg/L	3.56	0.41	3.00	105	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Fluoride	mg/L	2.23	0.272	2.00	98.0	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Fluoride	mg/L	2.05	<0.100	2.00	101	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.08	0.059	2.00	101	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	101	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.16	<0.100	4.00	102	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.12	<0.100	4.00	103	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	20.5	10.2	10.0	104	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.8	0.39	10.0	104	90 - 110	X516150 - X5D0298-01	17-Apr-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	576	576	20.0	0.1	20	0.30R>S	X517033 - X5D0268-01	M4
EPA 200.7	Magnesium	mg/L	333	336	20.0	0.9	20	72.7	X517033 - X5D0268-01	
EPA 200.7	Potassium	mg/L	26.3	26.5	20.0	0.7	20	107	X517033 - X5D0268-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	23.2	23.3	1.00	0.4	20	0.30R>S	X518021 - X5D0268-01	M1
EPA 200.7	Barium	mg/L	1.02	1.03	1.00	1.1	20	99.0	X518021 - X5D0268-01	
EPA 200.7	Beryllium	mg/L	1.05	1.01	1.00	3.7	20	103	X518021 - X5D0268-01	
EPA 200.7	Boron	mg/L	1.03	1.03	1.00	0.1	20	98.8	X518021 - X5D0268-01	
EPA 200.7	Cadmium	mg/L	1.09	1.06	1.00	2.2	20	99.4	X518021 - X5D0268-01	
EPA 200.7	Calcium	mg/L	595	595	20.0	0.0	20	116	X518021 - X5D0268-01	
EPA 200.7	Chromium	mg/L	0.989	0.977	1.00	1.2	20	98.9	X518021 - X5D0268-01	
EPA 200.7	Cobalt	mg/L	1.06	1.03	1.00	2.2	20	97.6	X518021 - X5D0268-01	
EPA 200.7	Copper	mg/L	1.06	1.05	1.00	1.0	20	105	X518021 - X5D0268-01	
EPA 200.7	Iron	mg/L	10.3	10.2	10.0	0.9	20	101	X518021 - X5D0268-01	
EPA 200.7	Lead	mg/L	0.994	0.969	1.00	2.6	20	99.4	X518021 - X5D0268-01	
EPA 200.7	Lithium	mg/L	1.36	1.36	1.00	0.5	20	117	X518021 - X5D0268-01	
EPA 200.7	Magnesium	mg/L	367	376	20.0	2.4	20	122	X518021 - X5D0268-01	
EPA 200.7	Manganese	mg/L	51.6	51.3	1.00	0.6	20	0.30R>S	X518021 - X5D0268-01	M4

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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	Molybdenum	mg/L	1.01	0.989	1.00	2.2	20	101	X518021 - X5D0268-01	
EPA 200.7	Nickel	mg/L	1.44	1.42	1.00	1.8	20	99.5	X518021 - X5D0268-01	
EPA 200.7	Potassium	mg/L	24.9	24.9	20.0	0.0	20	99.2	X518021 - X5D0268-01	
EPA 200.7	Silver	mg/L	0.0494	0.0483	0.0500	2.4	20	98.9	X518021 - X5D0268-01	
EPA 200.7	Sodium	mg/L	67.4	67.3	19.0	0.1	20	104	X518021 - X5D0268-01	
EPA 200.7	Vanadium	mg/L	1.03	1.02	1.00	1.0	20	103	X518021 - X5D0268-01	
EPA 200.7	Zinc	mg/L	12.6	12.6	1.00	0.1	20	96.0	X518021 - X5D0268-01	
EPA 200.8	Antimony	mg/L	0.0268	0.0278	0.0250	3.5	20	107	X517177 - X5D0252-01	
EPA 200.8	Arsenic	mg/L	0.0295	0.0302	0.0250	2.6	20	118	X517177 - X5D0252-01	
EPA 200.8	Selenium	mg/L	0.0328	0.0326	0.0250	0.7	20	123	X517177 - X5D0252-01	
EPA 200.8	Thallium	mg/L	0.0278	0.0277	0.0250	0.3	20	111	X517177 - X5D0252-01	
EPA 200.8	Uranium	mg/L	0.0344	0.0344	0.0250	0.0	20	118	X517177 - X5D0252-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00206	0.00207	0.00200	0.3	20	103	X516218 - X5D0268-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0988	0.102	0.100	2.8	11	98.8	X516054 - X5D0124-01	
EPA 335.4	Cyanide (total)	mg/L	0.0962	0.0985	0.100	2.4	20	88.4	X517002 - X5D0268-01	M2
EPA 350.1	Ammonia as N	mg/L	1.08	1.07	1.00	1.4	20	108	X516173 - X5D0268-02	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.104	0.100	0.7	11	104	X516133 - X5D0124-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	16.6	17.4	3.00	4.6	20	0.30R>S	X516150 - X5D0254-21	M4
EPA 300.0	Fluoride	mg/L	2.27	2.23	2.00	1.8	20	100	X516150 - X5D0254-21	
EPA 300.0	Nitrate as N	mg/L	2.13	2.08	2.00	2.5	20	104	X516150 - X5D0254-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.25	4.16	4.00	2.3	20	105	X516150 - X5D0254-21	
EPA 300.0	Nitrite as N	mg/L	2.12	2.08	2.00	2.0	20	106	X516150 - X5D0254-21	
EPA 300.0	Sulfate as SO4	mg/L	20.7	20.5	10.0	0.8	20	105	X516150 - X5D0254-21	

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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Ironclad Security 1632 County Rd 82	Work Order: **X5D0268**
Cripple Creek, CO 80813	Reported: 30-Apr-25 15:35

Notes and Definitions

D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
D20	Sample diluted with 0.25 M NaOH since pH was > 12; per method.
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.
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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Cripple Creek & Victor Gold Mining Company
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0161**
Reported: 25-Apr-25 10:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-15 B	X5D0161-01	Ground Water	09-Apr-25 10:20	JC	10-Apr-2025	
GVMW-15 A	X5D0161-02	Ground Water	09-Apr-25 11:10	JC	10-Apr-2025	
OSABH-17	X5D0161-03	Ground Water	09-Apr-25 12:10	JC	10-Apr-2025	Q5C
GVMW-24B	X5D0161-04	Ground Water	09-Apr-25 13:50	JC	10-Apr-2025	

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

Case Narrative: X5D0161

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: **X5D0161**
Reported: 25-Apr-25 10:55

Client Sample ID: **GVMW-15 B**
SVL Sample ID: **X5D0161-01 (Ground Water)**

Sampled: 09-Apr-25 10:20
Received: 10-Apr-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**	36.5	mg/L	0.100	0.069		X516078	MAC	04/22/25 09:03	
EPA 200.7	**Magnesium**	20.9	mg/L	0.500	0.090		X516078	MAC	04/22/25 09:03	
EPA 200.7	**Potassium**	1.95	mg/L	0.50	0.18		X516078	MAC	04/22/25 09:03	
SM 2340 B	**Hardness (as CaCO3)**	177	mg/L	2.31	0.543		N/A		04/14/25 13:07	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.380	mg/L	0.080	0.054		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Barium**	0.0160	mg/L	0.0020	0.0019		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Beryllium**	0.0295	mg/L	0.00200	0.00080		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Boron**	0.0484	mg/L	0.0400	0.0078		X516022	SJN	04/14/25 13:07	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Calcium**	38.4	mg/L	0.100	0.069		X516022	SJN	04/14/25 13:07	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Cobalt**	0.0606	mg/L	0.0060	0.0046		X516022	SJN	04/14/25 13:07	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Iron**	21.1	mg/L	0.100	0.056		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Lead**	0.0499	mg/L	0.0075	0.0049		X516022	SJN	04/14/25 13:07	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Magnesium**	21.3	mg/L	0.500	0.090		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Manganese**	1.28	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:07	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Nickel**	0.105	mg/L	0.0100	0.0048		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Potassium**	2.27	mg/L	0.50	0.18		X516022	SJN	04/14/25 13:07	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Sodium**	13.1	mg/L	0.50	0.12		X516022	SJN	04/14/25 13:07	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:07	
EPA 200.7	**Zinc**	1.27	mg/L	0.0100	0.0054		X516022	SJN	04/14/25 13:07	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X516042	JRR	04/24/25 11:49	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X516042	JRR	04/24/25 11:49	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X516042	JRR	04/24/25 11:49	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X516042	JRR	04/24/25 11:49	
EPA 200.8	**Uranium**	0.00278	mg/L	0.000100	0.000052		X516042	JRR	04/24/25 11:49	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515212	MAC	04/18/25 10:54	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516053	JPM	04/24/25 11:51	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X516008	JPM	04/15/25 13:48	
EPA 350.1	**Ammonia as N**	0.040	mg/L	0.030	0.013		X516087	JPM	04/16/25 13:29	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 16:40	H1
SM 2310 B	**Acidity to pH 8.3**	38.3	mg/L as CaCO3	10.0			X516180	MWD	04/17/25 09:18	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:15	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:15	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:15	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:15	
SM 2540 C	**Total Diss. Solids**	410	mg/L	10			X516098	TJL	04/16/25 14:55	
SM 2540 D	**Total Susp. Solids**	11.0	mg/L	5.0			X516099	TJL	04/17/25 14:00	
SM 4500 H B	**pH @20.2°C**	4.0	pH Units				X516050	MWD	04/14/25 17:15	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
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0161**
Reported: 25-Apr-25 10:55

Client Sample ID: **GVMW-15 B**
SVL Sample ID: **X5D0161-01 (Ground Water)**

Sampled: 09-Apr-25 10:20
Received: 10-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.41	mg/L	0.20	0.02		X515156	RS	04/10/25 20:32	
EPA 300.0	**Fluoride**	0.356	mg/L	0.100	0.017		X515156	RS	04/10/25 20:32	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X515156	RS	04/10/25 20:32	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X515156	RS	04/10/25 20:32	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X515156	RS	04/10/25 20:32	
EPA 300.0	**Sulfate as SO4**	268	mg/L	3.00	1.80	10	X515156	RS	04/10/25 20:47	

Cation/Anion Balance and TDS Ratios

Cation Sum: 5.05 meq/L Anion Sum: 5.66 meq/L C/A Balance: -5.70 % Calculated TDS: 344 TDS/cTDS: 1.19

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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Cripple Creek & Victor Gold Mining Company
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0161**
Reported: 25-Apr-25 10:55

Client Sample ID: **GVMW-15 A**
SVL Sample ID: **X5D0161-02 (Ground Water)**

Sampled: 09-Apr-25 11:10
Received: 10-Apr-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**	20.1	mg/L	0.100	0.069		X516078	MAC	04/22/25 09:14	
EPA 200.7	**Magnesium**	18.7	mg/L	0.500	0.090		X516078	MAC	04/22/25 09:14	
EPA 200.7	**Potassium**	1.79	mg/L	0.50	0.18		X516078	MAC	04/22/25 09:14	
SM 2340 B	**Hardness (as CaCO3)**	127	mg/L	2.31	0.543		N/A		04/14/25 13:09	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Barium**	0.0528	mg/L	0.0020	0.0019		X516022	SJN	04/14/25 13:09	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X516022	SJN	04/14/25 13:09	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X516022	SJN	04/14/25 13:09	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Calcium**	19.9	mg/L	0.100	0.069		X516022	SJN	04/14/25 13:09	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Cobalt**	0.0308	mg/L	0.0060	0.0046		X516022	SJN	04/14/25 13:09	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Iron**	33.5	mg/L	0.100	0.056		X516022	SJN	04/14/25 13:09	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X516022	SJN	04/14/25 13:09	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Magnesium**	18.0	mg/L	0.500	0.090		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Manganese**	1.94	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:09	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Nickel**	0.0596	mg/L	0.0100	0.0048		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Potassium**	1.96	mg/L	0.50	0.18		X516022	SJN	04/14/25 13:09	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Sodium**	13.6	mg/L	0.50	0.12		X516022	SJN	04/14/25 13:09	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:09	
EPA 200.7	**Zinc**	0.273	mg/L	0.0100	0.0054		X516022	SJN	04/14/25 13:09	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X516042	JRR	04/24/25 11:52	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X516042	JRR	04/24/25 11:52	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X516042	JRR	04/24/25 11:52	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X516042	JRR	04/24/25 11:52	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X516042	JRR	04/24/25 11:52	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515212	MAC	04/18/25 10:56	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516053	JPM	04/24/25 11:53	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X516008	JPM	04/15/25 13:50	
EPA 350.1	**Ammonia as N**	0.043	mg/L	0.030	0.013		X516087	JPM	04/16/25 13:41	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 16:42	H1
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X516180	MWD	04/17/25 09:18	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:20	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:20	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:20	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:20	
SM 2540 C	**Total Diss. Solids**	309	mg/L	10			X516098	TJL	04/16/25 14:55	
SM 2540 D	**Total Susp. Solids**	37.0	mg/L	5.0			X516099	TJL	04/17/25 14:00	
SM 4500 H B	**pH @20.4°C**	5.2	pH Units				X516050	MWD	04/14/25 17:20	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: **X5D0161**
Reported: 25-Apr-25 10:55

Client Sample ID: **GVMW-15 A**
SVL Sample ID: **X5D0161-02 (Ground Water)**

Sampled: 09-Apr-25 11:10
Received: 10-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.62	mg/L	0.20	0.02		X515156	RS	04/10/25 21:34	
EPA 300.0	**Fluoride**	0.323	mg/L	0.100	0.017		X515156	RS	04/10/25 21:34	
EPA 300.0	**Nitrate as N**	0.058	mg/L	0.050	0.013		X515156	RS	04/10/25 21:34	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X515156	RS	04/10/25 21:34	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X515156	RS	04/10/25 21:34	
EPA 300.0	**Sulfate as SO4**	193	mg/L	3.00	1.80	10	X515156	RS	04/10/25 21:49	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.40 meq/L Anion Sum: 4.10 meq/L C/A Balance: 3.52 % Calculated TDS: 249 TDS/cTDS: 1.24

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: **X5D0161**
Reported: 25-Apr-25 10:55

Client Sample ID: **OSABH-17**
SVL Sample ID: **X5D0161-03 (Ground Water)**

Sampled: 09-Apr-25 12:10
Received: 10-Apr-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**	432	mg/L	1.00	0.690	10	X516078	MAC	04/23/25 09:10	D11,D18
EPA 200.7	**Magnesium**	1830	mg/L	5.00	0.900	10	X516078	MAC	04/23/25 09:10	D11,D18
EPA 200.7	Potassium	< 5.00	mg/L	5.00	1.80	10	X516078	MAC	04/23/25 09:10	D11,D18
SM 2340 B	**Hardness (as CaCO3)**	7970	mg/L	23.1	5.43		N/A		04/23/25 09:10	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	4560	mg/L	0.800	0.540	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	Barium	< 0.0200	mg/L	0.0200	0.0190	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Beryllium**	0.780	mg/L	0.0200	0.00800	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Boron**	1.77	mg/L	0.400	0.0780	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Cadmium**	9.67	mg/L	0.0200	0.0160	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Calcium**	422	mg/L	1.00	0.690	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Chromium**	1.01	mg/L	0.0600	0.0200	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Cobalt**	21.5	mg/L	0.0600	0.0460	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Copper**	18.1	mg/L	0.100	0.0270	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Iron**	143	mg/L	1.00	0.560	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	Lead	< 0.0750	mg/L	0.0750	0.0490	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Lithium**	2.45	mg/L	0.400	0.250	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Magnesium**	1670	mg/L	5.00	0.900	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Manganese**	1570	mg/L	0.800	0.340	100	X516022	SJN	04/14/25 13:26	D11,D18
EPA 200.7	Molybdenum	< 0.0800	mg/L	0.0800	0.0340	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Nickel**	16.7	mg/L	0.100	0.0480	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	Potassium	< 5.00	mg/L	5.00	1.80	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	Silver	< 0.0500	mg/L	0.0500	0.0190	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Sodium**	10.5	mg/L	5.00	1.20	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	Vanadium	< 0.0500	mg/L	0.0500	0.0190	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.7	**Zinc**	352	mg/L	0.100	0.0540	10	X516022	SJN	04/14/25 13:10	D11,D18
EPA 200.8	Antimony	< 0.0500	mg/L	0.0500	0.0360	50	X516042	JRR	04/24/25 12:01	D11
EPA 200.8	**Arsenic**	0.446	mg/L	0.0500	0.0105	50	X516042	JRR	04/24/25 12:01	D11
EPA 200.8	Selenium	< 0.0500	mg/L	0.0500	0.0120	50	X516042	JRR	04/24/25 12:01	D11
EPA 200.8	Thallium	< 0.0100	mg/L	0.0100	0.00400	50	X516042	JRR	04/24/25 12:01	D11
EPA 200.8	**Uranium**	13.9	mg/L	0.00500	0.00260	50	X516042	JRR	04/24/25 12:01	D11
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515212	MAC	04/18/25 10:58	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516053	JPM	04/24/25 11:55	H1
EPA 335.4	**Cyanide (total)**	0.0296	mg/L	0.0050	0.0038		X516008	JPM	04/15/25 13:52	
EPA 350.1	**Ammonia as N**	0.065	mg/L	0.030	0.013		X516087	JPM	04/16/25 13:43	B10
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X516133	JPM	04/24/25 16:53	D20,H1
SM 2310 B	**Acidity to pH 8.3**	26700	mg/L as CaCO3	10.0			X516180	MWD	04/17/25 09:18	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:25	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:25	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:25	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:25	
SM 2540 C	**Total Diss. Solids**	50700	mg/L	100			X516098	TJL	04/16/25 14:55	E11
SM 2540 D	**Total Susp. Solids**	166	mg/L	5.0			X516099	TJL	04/17/25 14:00	
SM 4500 H B	**pH @20.4°C**	2.9	pH Units				X516050	MWD	04/14/25 17:25	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: **X5D0161**
Reported: 25-Apr-25 10:55

Client Sample ID: **OSABH-17**
SVL Sample ID: **X5D0161-03 (Ground Water)**

Sampled: 09-Apr-25 12:10
Received: 10-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	20.0	mg/L	10.0	1.10	50	X515156	RS	04/10/25 22:36	
EPA 300.0	**Fluoride**	240	mg/L	5.00	0.850	50	X515156	RS	04/10/25 22:36	
EPA 300.0	**Nitrate as N**	5.53	mg/L	2.50	0.650	50	X515156	RS	04/10/25 22:36	D18
EPA 300.0	**Nitrate+Nitrite as N**	5.53	mg/L	5.00	2.20	50	X515156	RS	04/10/25 22:36	
EPA 300.0	Nitrite as N	< 2.50	mg/L	2.50	1.55	50	X515156	RS	04/10/25 22:36	D18
EPA 300.0	**Sulfate as SO4**	37800	mg/L	300	180	1000	X515156	RS	04/10/25 22:51	

Cation/Anion Balance and TDS Ratios

Cation Sum: 740 meq/L Anion Sum: 801 meq/L C/A Balance: -3.93 % Calculated TDS: 40272 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

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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: **X5D0161**
Reported: 25-Apr-25 10:55

Client Sample ID: **GVMW-24B**
SVL Sample ID: **X5D0161-04 (Ground Water)**

Sampled: 09-Apr-25 13:50
Received: 10-Apr-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**	483	mg/L	0.500	0.345	5	X516078	MAC	04/22/25 15:17	
EPA 200.7	**Magnesium**	149	mg/L	0.500	0.090		X516078	MAC	04/22/25 09:22	
EPA 200.7	**Potassium**	2.77	mg/L	0.50	0.18		X516078	MAC	04/22/25 09:22	
SM 2340 B	**Hardness (as CaCO3)**	1810	mg/L	3.31	1.23		N/A		04/22/25 09:22	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	2.79	mg/L	0.080	0.054		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Barium**	0.0114	mg/L	0.0020	0.0019		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Beryllium**	0.00992	mg/L	0.00200	0.00080		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Boron**	0.0614	mg/L	0.0400	0.0078		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Cadmium**	0.0090	mg/L	0.0020	0.0016		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Calcium**	498	mg/L	0.100	0.069		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Chromium**	0.0064	mg/L	0.0060	0.0020		X516022	SJN	04/14/25 13:19	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X516022	SJN	04/14/25 13:19	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Iron**	0.158	mg/L	0.100	0.056		X516022	SJN	04/14/25 13:19	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X516022	SJN	04/14/25 13:19	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Magnesium**	147	mg/L	0.500	0.090		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Manganese**	2.74	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:19	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Nickel**	0.118	mg/L	0.0100	0.0048		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Potassium**	2.75	mg/L	0.50	0.18		X516022	SJN	04/14/25 13:19	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Sodium**	21.2	mg/L	0.50	0.12		X516022	SJN	04/14/25 13:19	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X516022	SJN	04/14/25 13:19	
EPA 200.7	**Zinc**	0.180	mg/L	0.0100	0.0054		X516022	SJN	04/14/25 13:19	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X516042	JRR	04/24/25 12:05	
EPA 200.8	**Arsenic**	0.00121	mg/L	0.00100	0.00021		X516042	JRR	04/24/25 12:05	
EPA 200.8	**Selenium**	0.00175	mg/L	0.00100	0.00024		X516042	JRR	04/24/25 12:05	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X516042	JRR	04/24/25 12:05	
EPA 200.8	**Uranium**	0.00541	mg/L	0.000100	0.000052		X516042	JRR	04/24/25 12:05	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515212	MAC	04/18/25 11:04	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516053	JPM	04/24/25 12:07	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X516008	JPM	04/15/25 13:54	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X516087	JPM	04/16/25 13:46	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 16:56	H1
SM 2310 B	**Acidity to pH 8.3**	-25.9	mg/L as CaCO3	10.0			X516180	MWD	04/17/25 09:18	
SM 2320 B	**Total Alkalinity**	25.6	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:39	
SM 2320 B	**Bicarbonate**	25.6	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:39	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X516050	MWD	04/14/25 17:39	
SM 2540 C	**Total Diss. Solids**	5240	mg/L	40			X516098	TJL	04/16/25 14:55	
SM 2540 D	**Total Susp. Solids**	27.0	mg/L	5.0			X516099	TJL	04/17/25 14:00	
SM 4500 H B	**pH @20.4°C**	6.1	pH Units				X516050	MWD	04/14/25 17:39	H5

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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: **X5D0161**
Reported: 25-Apr-25 10:55

Client Sample ID: **GVMW-24B**
SVL Sample ID: **X5D0161-04 (Ground Water)**

Sampled: 09-Apr-25 13:50
Received: 10-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	13.1	mg/L	10.0	1.10	50	X515156	RS	04/10/25 23:23	
EPA 300.0	**Fluoride**	3.26	mg/L	0.100	0.017		X515156	RS	04/10/25 23:07	
EPA 300.0	**Nitrate as N**	2.14	mg/L	0.050	0.013		X515156	RS	04/10/25 23:07	
EPA 300.0	**Nitrate+Nitrite as N**	2.14	mg/L	0.100	0.044		X515156	RS	04/10/25 23:07	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X515156	RS	04/10/25 23:07	
EPA 300.0	**Sulfate as SO4**	1900	mg/L	15.0	9.00	50	X515156	RS	04/10/25 23:23	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 37.6 meq/L Anion Sum: 40.8 meq/L C/A Balance: -4.01 % Calculated TDS: 2604 TDS/cTDS: 2.01

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0161**
Reported: 25-Apr-25 10:55

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X516078	22-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X516078	22-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X516078	22-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X516022	14-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X516022	14-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X516022	14-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X516022	14-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X516022	14-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X516022	14-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X516022	14-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X516022	14-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X516022	14-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X516022	14-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X516022	14-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X516022	14-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X516022	14-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X516022	14-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X516022	14-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X516022	14-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X516022	14-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X516022	14-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X516022	14-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X516022	14-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X516022	14-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X516042	24-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X516042	24-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X516042	24-Apr-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X516042	24-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X516042	24-Apr-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X515212	18-Apr-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X516053	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X516008	15-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X516087	16-Apr-25	B10
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X516180	17-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X516050	14-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X516050	14-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X516050	14-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X516050	14-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X516098	16-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X516099	17-Apr-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X515156	10-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X515156	10-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X515156	10-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X515156	10-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X515156	10-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X515156	10-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: **X5D0161**
Reported: 25-Apr-25 10:55

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	18.7	20.0	93	85 - 115	X516078	22-Apr-25	
EPA 200.7	Magnesium	mg/L	18.9	20.0	94.5	85 - 115	X516078	22-Apr-25	
EPA 200.7	Potassium	mg/L	18.9	20.0	94.6	85 - 115	X516078	22-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.967	1.00	96.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Barium	mg/L	0.988	1.00	98.8	85 - 115	X516022	14-Apr-25	
EPA 200.7	Beryllium	mg/L	0.974	1.00	97.4	85 - 115	X516022	14-Apr-25	
EPA 200.7	Boron	mg/L	1.00	1.00	100	85 - 115	X516022	14-Apr-25	
EPA 200.7	Cadmium	mg/L	0.968	1.00	96.8	85 - 115	X516022	14-Apr-25	
EPA 200.7	Calcium	mg/L	18.8	20.0	94.0	85 - 115	X516022	14-Apr-25	
EPA 200.7	Chromium	mg/L	0.974	1.00	97.4	85 - 115	X516022	14-Apr-25	
EPA 200.7	Cobalt	mg/L	0.941	1.00	94.1	85 - 115	X516022	14-Apr-25	
EPA 200.7	Copper	mg/L	0.948	1.00	94.8	85 - 115	X516022	14-Apr-25	
EPA 200.7	Iron	mg/L	9.70	10.0	97.0	85 - 115	X516022	14-Apr-25	
EPA 200.7	Lead	mg/L	0.965	1.00	96.5	85 - 115	X516022	14-Apr-25	
EPA 200.7	Lithium	mg/L	0.967	1.00	96.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Manganese	mg/L	0.963	1.00	96.3	85 - 115	X516022	14-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.983	1.00	98.3	85 - 115	X516022	14-Apr-25	
EPA 200.7	Nickel	mg/L	0.946	1.00	94.6	85 - 115	X516022	14-Apr-25	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.6	85 - 115	X516022	14-Apr-25	
EPA 200.7	Silver	mg/L	0.0469	0.0500	93.7	85 - 115	X516022	14-Apr-25	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.1	85 - 115	X516022	14-Apr-25	
EPA 200.7	Vanadium	mg/L	0.984	1.00	98.4	85 - 115	X516022	14-Apr-25	
EPA 200.7	Zinc	mg/L	0.966	1.00	96.6	85 - 115	X516022	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0229	0.0250	91.5	85 - 115	X516042	24-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0216	0.0250	86.2	85 - 115	X516042	24-Apr-25	
EPA 200.8	Selenium	mg/L	0.0217	0.0250	86.9	85 - 115	X516042	24-Apr-25	
EPA 200.8	Thallium	mg/L	0.0230	0.0250	91.9	85 - 115	X516042	24-Apr-25	
EPA 200.8	Uranium	mg/L	0.0243	0.0250	97.1	85 - 115	X516042	24-Apr-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00198	0.00200	98.8	85 - 115	X515212	18-Apr-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X516053	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.100	102	90 - 110	X516008	15-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.982	1.00	98.2	90 - 110	X516087	16-Apr-25	B10
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	701	706	99.3	95.4 - 104	X516180	17-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.60	9.93	96.7	94 - 106	X516050	14-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X516050	14-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	407	397	103	94 - 106	X516050	14-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X516099	17-Apr-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X515156	10-Apr-25	
EPA 300.0	Fluoride	mg/L	2.06	2.00	103	90 - 110	X515156	10-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.03	2.00	101	90 - 110	X515156	10-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.66	4.50	104	90 - 110	X515156	10-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.64	2.50	105	90 - 110	X515156	10-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X515156	10-Apr-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: **X5D0161**
Reported: 25-Apr-25 10:55

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	38.3	38.3	0.0	20	X516180 - X5D0161-01	17-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	25.8	25.6	0.8	20	X516050 - X5D0161-04	14-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	25.8	25.6	0.8	20	X516050 - X5D0161-04	14-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X516050 - X5D0161-04	14-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X516050 - X5D0161-04	14-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	278	279	0.4	10	X516098 - X5D0166-02	16-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	304	309	1.6	10	X516098 - X5D0161-02	16-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X516099 - X5D0166-02	17-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	38.0	37.0	2.7	10	X516099 - X5D0161-02	17-Apr-25	
SM 4500 H B	pH @20.1°C	pH Units	6.0	6.1	1.7	20	X516050 - X5D0161-04	14-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	61.3	36.5	20.0	124	70 - 130	X516078 - X5D0161-01	22-Apr-25	
EPA 200.7	Magnesium	mg/L	43.9	20.9	20.0	115	70 - 130	X516078 - X5D0161-01	22-Apr-25	
EPA 200.7	Potassium	mg/L	23.3	1.95	20.0	107	70 - 130	X516078 - X5D0161-01	22-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	14.6	13.4	1.00	116	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Barium	mg/L	1.03	0.0241	1.00	100	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Boron	mg/L	1.14	0.0648	1.00	108	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Cadmium	mg/L	1.00	0.0028	1.00	99.8	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Calcium	mg/L	166	145	20.0	104	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Chromium	mg/L	1.00	<0.0060	1.00	100	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Cobalt	mg/L	1.01	0.0523	1.00	96.2	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Copper	mg/L	1.01	<0.0100	1.00	101	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Iron	mg/L	10.7	0.442	10.0	102	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Lead	mg/L	0.997	<0.0075	1.00	99.7	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Lithium	mg/L	1.13	<0.040	1.00	113	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Magnesium	mg/L	63.5	43.8	20.0	98.7	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Manganese	mg/L	12.0	11.2	1.00	83.8	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.03	<0.0080	1.00	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Nickel	mg/L	1.07	0.104	1.00	96.5	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Potassium	mg/L	26.2	5.60	20.0	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Silver	mg/L	0.0490	<0.0050	0.0500	98.1	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Sodium	mg/L	41.9	22.4	19.0	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Vanadium	mg/L	1.03	<0.0050	1.00	103	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.7	Zinc	mg/L	2.09	1.11	1.00	98.3	70 - 130	X516022 - X5D0163-01	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0236	<0.00100	0.0250	94.5	70 - 130	X516042 - X5D0161-02	24-Apr-25	
EPA 200.8	Antimony	mg/L	0.0235	<0.00200	0.0250	93.9	70 - 130	X516042 - X5D0198-06	24-Apr-25	D17
EPA 200.8	Arsenic	mg/L	0.0237	<0.00100	0.0250	94.6	70 - 130	X516042 - X5D0161-02	24-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0293	0.00400	0.0250	101	70 - 130	X516042 - X5D0198-06	24-Apr-25	D17
EPA 200.8	Selenium	mg/L	0.0248	<0.00100	0.0250	99.4	70 - 130	X516042 - X5D0161-02	24-Apr-25	
EPA 200.8	Selenium	mg/L	0.0263	<0.00200	0.0250	105	70 - 130	X516042 - X5D0198-06	24-Apr-25	D17
EPA 200.8	Thallium	mg/L	0.0232	<0.000200	0.0250	92.7	70 - 130	X516042 - X5D0161-02	24-Apr-25	
EPA 200.8	Thallium	mg/L	0.0251	<0.000400	0.0250	100	70 - 130	X516042 - X5D0198-06	24-Apr-25	D17

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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: **X5D0161**
Reported: 25-Apr-25 10:55

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.8	Uranium	mg/L	0.0249	<0.000100	0.0250	99.2	70 - 130	X516042 - X5D0161-02	24-Apr-25	
EPA 200.8	Uranium	mg/L	0.0295	0.00322	0.0250	105	70 - 130	X516042 - X5D0198-06	24-Apr-25	D17
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00216	<0.000200	0.00200	108	70 - 130	X515212 - X5D0123-01	18-Apr-25	
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	105	70 - 130	X515212 - X5D0166-01	18-Apr-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.105	<0.0050	0.100	105	79 - 121	X516053 - X5D0165-11	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.106	<0.0050	0.100	106	90 - 110	X516008 - X5D0161-02	15-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X516008 - X5D0161-01	15-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X516087 - X5D0165-11	16-Apr-25	B10
EPA 350.1	Ammonia as N	mg/L	1.13	<0.030	1.00	113	90 - 110	X516087 - X5D0165-09	16-Apr-25	B10,M1
OIA 1677	Cyanide (WAD)	mg/L	0.104	<0.0050	0.100	104	82 - 118	X516133 - X5D0124-01	24-Apr-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.25	0.20	3.00	102	90 - 110	X515156 - X5D0171-01	10-Apr-25	
EPA 300.0	Chloride	mg/L	3.25	<0.20	3.00	102	90 - 110	X515156 - X5D0171-02	10-Apr-25	
EPA 300.0	Fluoride	mg/L	2.05	<0.100	2.00	101	90 - 110	X515156 - X5D0171-01	10-Apr-25	
EPA 300.0	Fluoride	mg/L	2.07	<0.100	2.00	102	90 - 110	X515156 - X5D0171-02	10-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.05	<0.050	2.00	101	90 - 110	X515156 - X5D0171-01	10-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.03	<0.050	2.00	101	90 - 110	X515156 - X5D0171-02	10-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.12	<0.100	4.00	103	90 - 110	X515156 - X5D0171-01	10-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.10	<0.100	4.00	103	90 - 110	X515156 - X5D0171-02	10-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.07	<0.050	2.00	103	90 - 110	X515156 - X5D0171-01	10-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.07	<0.050	2.00	103	90 - 110	X515156 - X5D0171-02	10-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	11.5	1.22	10.0	103	90 - 110	X515156 - X5D0171-01	10-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	13.9	3.67	10.0	103	90 - 110	X515156 - X5D0171-02	10-Apr-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	57.2	61.3	20.0	7.0	20	103	X516078 - X5D0161-01	
EPA 200.7	Magnesium	mg/L	40.9	43.9	20.0	7.0	20	100	X516078 - X5D0161-01	
EPA 200.7	Potassium	mg/L	21.8	23.3	20.0	6.7	20	99.3	X516078 - X5D0161-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	14.6	14.6	1.00	0.3	20	120	X516022 - X5D0163-01	
EPA 200.7	Barium	mg/L	1.01	1.03	1.00	2.0	20	98.3	X516022 - X5D0163-01	
EPA 200.7	Beryllium	mg/L	0.993	1.04	1.00	4.6	20	99.2	X516022 - X5D0163-01	
EPA 200.7	Boron	mg/L	1.12	1.14	1.00	2.4	20	105	X516022 - X5D0163-01	
EPA 200.7	Cadmium	mg/L	0.969	1.00	1.00	3.2	20	96.6	X516022 - X5D0163-01	
EPA 200.7	Calcium	mg/L	164	166	20.0	1.0	20	95.7	X516022 - X5D0163-01	
EPA 200.7	Chromium	mg/L	0.975	1.00	1.00	2.8	20	97.5	X516022 - X5D0163-01	
EPA 200.7	Cobalt	mg/L	0.988	1.01	1.00	2.7	20	93.5	X516022 - X5D0163-01	
EPA 200.7	Copper	mg/L	0.987	1.01	1.00	2.8	20	98.2	X516022 - X5D0163-01	
EPA 200.7	Iron	mg/L	10.3	10.7	10.0	3.8	20	98.4	X516022 - X5D0163-01	
EPA 200.7	Lead	mg/L	0.966	0.997	1.00	3.2	20	96.6	X516022 - X5D0163-01	
EPA 200.7	Lithium	mg/L	1.09	1.13	1.00	2.9	20	109	X516022 - X5D0163-01	
EPA 200.7	Magnesium	mg/L	63.6	63.5	20.0	0.1	20	98.9	X516022 - X5D0163-01	

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Cripple Creek & Victor Gold Mining Company
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0161**
Reported: 25-Apr-25 10:55

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	12.1	12.0	1.00	0.7	20	92.4	X516022 - X5D0163-01	
EPA 200.7	Molybdenum	mg/L	0.995	1.03	1.00	3.2	20	99.5	X516022 - X5D0163-01	
EPA 200.7	Nickel	mg/L	1.04	1.07	1.00	2.9	20	93.5	X516022 - X5D0163-01	
EPA 200.7	Potassium	mg/L	25.3	26.2	20.0	3.4	20	98.4	X516022 - X5D0163-01	
EPA 200.7	Silver	mg/L	0.0477	0.0490	0.0500	2.7	20	95.5	X516022 - X5D0163-01	
EPA 200.7	Sodium	mg/L	41.0	41.9	19.0	2.2	20	97.8	X516022 - X5D0163-01	
EPA 200.7	Vanadium	mg/L	0.998	1.03	1.00	3.0	20	99.8	X516022 - X5D0163-01	
EPA 200.7	Zinc	mg/L	2.06	2.09	1.00	1.4	20	95.4	X516022 - X5D0163-01	
EPA 200.8	Antimony	mg/L	0.0244	0.0236	0.0250	3.2	20	97.6	X516042 - X5D0161-02	
EPA 200.8	Arsenic	mg/L	0.0236	0.0237	0.0250	0.4	20	94.3	X516042 - X5D0161-02	
EPA 200.8	Selenium	mg/L	0.0252	0.0248	0.0250	1.5	20	101	X516042 - X5D0161-02	
EPA 200.8	Thallium	mg/L	0.0232	0.0232	0.0250	0.2	20	92.9	X516042 - X5D0161-02	
EPA 200.8	Uranium	mg/L	0.0251	0.0249	0.0250	0.8	20	100	X516042 - X5D0161-02	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00216	0.00200	1.3	20	106	X515212 - X5D0123-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.107	0.105	0.100	2.3	11	107	X516053 - X5D0165-11	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.106	0.100	4.7	20	102	X516008 - X5D0161-02	
EPA 350.1	Ammonia as N	mg/L	1.09	1.07	1.00	2.1	20	109	X516087 - X5D0165-11	B10
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.104	0.100	0.7	11	104	X516133 - X5D0124-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.30	3.25	3.00	1.6	20	103	X515156 - X5D0171-01	
EPA 300.0	Fluoride	mg/L	2.06	2.05	2.00	0.5	20	101	X515156 - X5D0171-01	
EPA 300.0	Nitrate as N	mg/L	2.06	2.05	2.00	0.7	20	102	X515156 - X5D0171-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.15	4.12	4.00	0.7	20	104	X515156 - X5D0171-01	
EPA 300.0	Nitrite as N	mg/L	2.09	2.07	2.00	0.8	20	104	X515156 - X5D0171-01	
EPA 300.0	Sulfate as SO4	mg/L	11.6	11.5	10.0	0.7	20	103	X515156 - X5D0171-01	

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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: **X5D0161**
Victor, CO 80860	Reported: 25-Apr-25 10:55

Notes and Definitions

B10	Target analyte detected in method blank above laboratory acceptance limit but below reporting limit.
D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
D18	Due to a published chemical interference, a sample dilution was performed.
D20	Sample diluted with 0.25 M NaOH since pH was > 12; per method.
E11	Sample exceeds method-specified limit for solids content.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but 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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-28	X5D0430-01	Ground Water	28-Apr-25 12:08	JC	29-Apr-2025	Q5B
GVMW-27	X5D0430-02	Ground Water	28-Apr-25 13:53	JC	29-Apr-2025	Q5
GVMW-25	X5D0430-03	Ground Water	28-Apr-25 14:45	JC	29-Apr-2025	Q5
SEEP-02	X5D0430-04	Ground Water	28-Apr-25 12:30	JC	29-Apr-2025	Q5B
EMP-17A	X5D0430-05	Ground Water	28-Apr-25 12:08	JC	29-Apr-2025	
EMP-16	X5D0430-06	Ground Water	28-Apr-25 11:53	JC	29-Apr-2025	
GV-5	X5D0430-07	Surface Water	28-Apr-25 11:08	JC	29-Apr-2025	
GV-4.5	X5D0430-08	Surface Water	28-Apr-25 10:40	JC	29-Apr-2025	

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

Case Narrative: X5D0430

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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GVMW-28**
SVL Sample ID: **X5D0430-01 (Ground Water)**

Sampled: 28-Apr-25 12:08
Received: 29-Apr-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**	404	mg/L	0.500	0.345	5	X518169	MAC	05/07/25 10:48	D18,M4
EPA 200.7	**Magnesium**	392	mg/L	2.50	0.450	5	X518169	MAC	05/07/25 10:48	D18,M4
EPA 200.7	Potassium	< 2.50	mg/L	2.50	0.90	5	X518169	MAC	05/07/25 10:48	D18
SM 2340 B	**Hardness (as CaCO3)**	2700	mg/L	3.31	1.23		N/A		05/07/25 10:48	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	991	mg/L	0.400	0.270	5	X518124	MAC	05/06/25 15:09	
EPA 200.7	**Barium**	0.0086	mg/L	0.0020	0.0019		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Beryllium**	0.683	mg/L	0.00200	0.00080		X518124	MAC	05/06/25 12:53	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Cadmium**	2.07	mg/L	0.0020	0.0016		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Calcium**	389	mg/L	0.100	0.069		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Chromium**	0.155	mg/L	0.0060	0.0020		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Cobalt**	1.92	mg/L	0.0060	0.0046		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Copper**	5.22	mg/L	0.0100	0.0027		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Iron**	55.6	mg/L	0.100	0.056		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Lead**	0.0323	mg/L	0.0075	0.0049		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Lithium**	0.502	mg/L	0.040	0.025		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Magnesium**	411	mg/L	0.500	0.090		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Manganese**	283	mg/L	0.0400	0.0170	5	X518124	MAC	05/06/25 15:09	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Nickel**	3.10	mg/L	0.0100	0.0048		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Potassium**	0.58	mg/L	0.50	0.18		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Silver**	0.0135	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Sodium**	32.5	mg/L	0.50	0.12		X518124	MAC	05/06/25 12:53	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 12:53	
EPA 200.7	**Zinc**	85.9	mg/L	0.0500	0.0270	5	X518124	MAC	05/06/25 15:09	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519002	SMU	05/07/25 17:24	
EPA 200.8	**Arsenic**	0.151	mg/L	0.00100	0.00021		X519002	SMU	05/07/25 17:24	
EPA 200.8	**Selenium**	0.0210	mg/L	0.00100	0.00024		X519002	SMU	05/07/25 17:24	
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X519002	SMU	05/07/25 18:52	D17
EPA 200.8	**Uranium**	3.29	mg/L	0.0100	0.00520	100	X519002	SMU	05/07/25 18:52	D17
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X518107	SJN	05/02/25 10:39	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X519005	JPM	05/06/25 08:24	M2,R2B
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 14:36	M2
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X518147	JPM	05/02/25 10:26	
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X519083	JPM	05/08/25 13:50	
SM 2310 B	**Acidity to pH 8.3**	7020	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:29	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:29	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:29	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:29	
SM 2540 C	**Total Diss. Solids**	25500	mg/L	100			X518116	TJL	05/01/25 12:55	E11
SM 2540 D	**Total Susp. Solids**	69.0	mg/L	5.0			X518117	TJL	05/03/25 09:05	
SM 4500 H B	**pH @20.4°C**	3.1	pH Units				X518164	MWD	05/01/25 14:29	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GVMW-28**
SVL Sample ID: **X5D0430-01 (Ground Water)**

Sampled: 28-Apr-25 12:08
Received: 29-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.36	mg/L	2.00	0.22	10	X518093	RS	04/29/25 15:24	D18
EPA 300.0	**Fluoride**	171	mg/L	25.0	4.25	250	X518093	RS	04/29/25 15:40	
EPA 300.0	**Nitrate as N**	2.47	mg/L	0.500	0.130	10	X518093	RS	04/29/25 15:24	D18
EPA 300.0	**Nitrate+Nitrite as N**	2.47	mg/L	1.00	0.440	10	X518093	RS	04/29/25 15:24	D18
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X518093	RS	04/29/25 15:24	D18
EPA 300.0	**Sulfate as SO4**	10100	mg/L	75.0	45.0	250	X518093	RS	04/29/25 15:40	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 194 meq/L Anion Sum: 220 meq/L C/A Balance: -6.32 % Calculated TDS: 11118 TDS/cTDS: 2.29

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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GVMW-27**
SVL Sample ID: **X5D0430-02 (Ground Water)**

Sampled: 28-Apr-25 13:53
Received: 29-Apr-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**	304	mg/L	0.100	0.069		X518169	MAC	05/07/25 10:02	
EPA 200.7	**Magnesium**	134	mg/L	0.500	0.090		X518169	MAC	05/07/25 10:02	
EPA 200.7	**Potassium**	4.91	mg/L	0.50	0.18		X518169	MAC	05/07/25 10:02	
SM 2340 B	**Hardness (as CaCO3)**	1160	mg/L	2.31	0.543		N/A		05/07/25 10:02	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	117	mg/L	0.080	0.054		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Barium**	0.0148	mg/L	0.0020	0.0019		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Beryllium**	0.102	mg/L	0.00200	0.00080		X518124	MAC	05/06/25 12:57	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Cadmium**	0.310	mg/L	0.0020	0.0016		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Calcium**	273	mg/L	0.100	0.069		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Chromium**	0.0105	mg/L	0.0060	0.0020		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Cobalt**	0.267	mg/L	0.0060	0.0046		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Copper**	0.359	mg/L	0.0100	0.0027		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Iron**	9.08	mg/L	0.100	0.056		X518124	MAC	05/06/25 12:57	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Lithium**	0.104	mg/L	0.040	0.025		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Magnesium**	117	mg/L	0.500	0.090		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Manganese**	54.6	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 12:57	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Nickel**	0.503	mg/L	0.0100	0.0048		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Potassium**	4.56	mg/L	0.50	0.18		X518124	MAC	05/06/25 12:57	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Sodium**	59.9	mg/L	0.50	0.12		X518124	MAC	05/06/25 12:57	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 12:57	
EPA 200.7	**Zinc**	12.3	mg/L	0.0100	0.0054		X518124	MAC	05/06/25 12:57	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519002	SMU	05/07/25 17:27	
EPA 200.8	**Arsenic**	0.0263	mg/L	0.00100	0.00021		X519002	SMU	05/07/25 17:27	
EPA 200.8	**Selenium**	0.00284	mg/L	0.00100	0.00024		X519002	SMU	05/07/25 17:27	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X519002	SMU	05/07/25 17:27	
EPA 200.8	**Uranium**	0.433	mg/L	0.000100	0.000052		X519002	SMU	05/07/25 17:27	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X518107	SJN	05/02/25 10:50	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X519005	JPM	05/06/25 08:26	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 14:38	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X518147	JPM	05/02/25 10:29	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519083	JPM	05/08/25 13:53	
SM 2310 B	**Acidity to pH 8.3**	714	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:43	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:43	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:43	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:43	
SM 2540 C	**Total Diss. Solids**	3600	mg/L	40			X518116	TJL	05/01/25 12:55	
SM 2540 D	**Total Susp. Solids**	17.0	mg/L	5.0			X518117	TJL	05/03/25 09:05	
SM 4500 H B	**pH @20.4°C**	4.2	pH Units				X518164	MWD	05/01/25 14:43	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GVMW-27**
SVL Sample ID: **X5D0430-02 (Ground Water)**

Sampled: 28-Apr-25 13:53
Received: 29-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	58.8	mg/L	2.00	0.22	10	X518093	RS	04/29/25 16:11	
EPA 300.0	**Fluoride**	19.7	mg/L	1.00	0.170	10	X518093	RS	04/29/25 16:11	
EPA 300.0	**Nitrate as N**	1.84	mg/L	0.050	0.013		X518093	RS	04/29/25 15:55	
EPA 300.0	**Nitrate+Nitrite as N**	1.87	mg/L	0.100	0.044		X518093	RS	04/29/25 15:55	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X518093	RS	04/29/25 15:55	
EPA 300.0	**Sulfate as SO4**	1920	mg/L	15.0	9.00	50	X518093	RS	04/30/25 12:08	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 41.7 meq/L Anion Sum: 42.8 meq/L C/A Balance: -1.33 % Calculated TDS: 2485 TDS/cTDS: 1.45

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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GVMW-25**
SVL Sample ID: **X5D0430-03 (Ground Water)**

Sampled: 28-Apr-25 14:45
Received: 29-Apr-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		X518169	MAC	05/07/25 10:06	
EPA 200.7	**Magnesium**	290	mg/L	0.500	0.090		X518169	MAC	05/07/25 10:06	
EPA 200.7	**Potassium**	5.34	mg/L	0.50	0.18		X518169	MAC	05/07/25 10:06	
SM 2340 B	**Hardness (as CaCO3)**	2210	mg/L	2.31	0.543		N/A		05/07/25 10:06	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	438	mg/L	0.080	0.054		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Barium**	0.0114	mg/L	0.0020	0.0019		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Beryllium**	0.352	mg/L	0.00200	0.00080		X518124	MAC	05/06/25 13:00	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Cadmium**	0.921	mg/L	0.0020	0.0016		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Calcium**	419	mg/L	0.100	0.069		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Chromium**	0.0336	mg/L	0.0060	0.0020		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Cobalt**	0.914	mg/L	0.0060	0.0046		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Copper**	1.54	mg/L	0.0100	0.0027		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Iron**	1.66	mg/L	0.100	0.056		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Lead**	0.0139	mg/L	0.0075	0.0049		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Lithium**	0.272	mg/L	0.040	0.025		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Magnesium**	265	mg/L	0.500	0.090		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Manganese**	133	mg/L	0.0400	0.0170	5	X518124	MAC	05/06/25 15:12	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Nickel**	1.55	mg/L	0.0100	0.0048		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Potassium**	5.22	mg/L	0.50	0.18		X518124	MAC	05/06/25 13:00	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Sodium**	37.2	mg/L	0.50	0.12		X518124	MAC	05/06/25 13:00	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 13:00	
EPA 200.7	**Zinc**	33.6	mg/L	0.0100	0.0054		X518124	MAC	05/06/25 13:00	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519002	SMU	05/07/25 17:30	
EPA 200.8	**Arsenic**	0.0859	mg/L	0.00100	0.00021		X519002	SMU	05/07/25 17:30	
EPA 200.8	**Selenium**	0.00999	mg/L	0.00100	0.00024		X519002	SMU	05/07/25 17:30	
EPA 200.8	Thallium	< 0.00200	mg/L	0.00200	0.000800	10	X519002	SMU	05/07/25 18:55	D17
EPA 200.8	**Uranium**	1.17	mg/L	0.00100	0.000520	10	X519002	SMU	05/07/25 18:55	D17
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X518107	SJN	05/02/25 10:52	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X519005	JPM	05/06/25 08:28	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 14:39	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X518147	JPM	05/02/25 10:31	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519083	JPM	05/08/25 13:56	M2,R2B
SM 2310 B	**Acidity to pH 8.3**	2830	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:47	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:47	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:47	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:47	
SM 2540 C	**Total Diss. Solids**	7100	mg/L	40			X518116	TJL	05/01/25 12:55	
SM 2540 D	**Total Susp. Solids**	29.0	mg/L	5.0			X518117	TJL	05/03/25 09:05	
SM 4500 H B	**pH @20.2°C**	3.6	pH Units				X518164	MWD	05/01/25 14:47	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GVMW-25**
SVL Sample ID: **X5D0430-03 (Ground Water)**

Sampled: 28-Apr-25 14:45
Received: 29-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	21.0	mg/L	1.00	0.11	5	X518093	RS	04/29/25 16:26	
EPA 300.0	**Fluoride**	87.3	mg/L	10.0	1.70	100	X518093	RS	04/29/25 16:42	
EPA 300.0	**Nitrate as N**	3.86	mg/L	0.250	0.065	5	X518093	RS	04/29/25 16:26	D18
EPA 300.0	**Nitrate+Nitrite as N**	3.86	mg/L	0.500	0.220	5	X518093	RS	04/29/25 16:26	D18
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X518093	RS	04/29/25 16:26	D18
EPA 300.0	**Sulfate as SO4**	5220	mg/L	75.0	45.0	250	X518093	RS	04/30/25 12:23	

Cation/Anion Balance and TDS Ratios

Cation Sum: 101 meq/L Anion Sum: 114 meq/L C/A Balance: -6.08 % Calculated TDS: 6098 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

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **SEEP-02**
SVL Sample ID: **X5D0430-04 (Ground Water)**

Sampled: 28-Apr-25 12:30
Received: 29-Apr-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**	275	mg/L	2.00	1.38	20	X518169	MAC	05/07/25 10:10	
EPA 200.7	**Magnesium**	561	mg/L	10.0	1.80	20	X518169	MAC	05/07/25 10:10	
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X518169	MAC	05/07/25 10:10	D11
SM 2340 B	**Hardness (as CaCO3)**	3330	mg/L	211	40.5		N/A		05/07/25 10:10	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	4330	mg/L	1.60	1.08	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	Barium	< 0.0400	mg/L	0.0400	0.0380	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Beryllium**	0.419	mg/L	0.0400	0.0160	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	Boron	< 0.800	mg/L	0.800	0.156	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Cadmium**	23.9	mg/L	0.0400	0.0320	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Calcium**	266	mg/L	2.00	1.38	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Chromium**	1.17	mg/L	0.120	0.0400	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Cobalt**	13.7	mg/L	0.120	0.0920	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Copper**	56.5	mg/L	0.200	0.0540	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Iron**	3290	mg/L	2.00	1.12	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	Lead	< 0.150	mg/L	0.150	0.0980	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Lithium**	1.98	mg/L	0.800	0.500	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Magnesium**	640	mg/L	50.0	9.00	100	X518124	NMS	05/07/25 08:20	D18
EPA 200.7	**Manganese**	2090	mg/L	0.320	0.136	40	X518124	MAC	05/06/25 15:16	D18
EPA 200.7	Molybdenum	< 0.160	mg/L	0.160	0.0680	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Nickel**	7.99	mg/L	0.200	0.0960	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	Silver	< 0.100	mg/L	0.100	0.0380	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Sodium**	15.9	mg/L	10.0	2.40	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Vanadium**	0.196	mg/L	0.100	0.0380	20	X518124	MAC	05/06/25 14:22	D18
EPA 200.7	**Zinc**	1030	mg/L	0.400	0.216	40	X518124	MAC	05/06/25 15:16	D18
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X519002	SMU	05/07/25 17:33	D11
EPA 200.8	**Arsenic**	5.21	mg/L	0.100	0.0210	100	X519002	SMU	05/07/25 17:33	D11
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X519002	SMU	05/07/25 17:33	D11
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X519002	SMU	05/07/25 17:33	D11
EPA 200.8	**Uranium**	39.0	mg/L	0.0100	0.00520	100	X519002	SMU	05/07/25 17:33	D11
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X518107	SJN	05/02/25 10:54	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X519005	JPM	05/06/25 08:30	D11
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 14:41	
EPA 350.1	**Ammonia as N**	0.100	mg/L	0.030	0.013		X519039	JPM	05/07/25 11:36	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519083	JPM	05/08/25 15:54	
SM 2310 B	**Acidity to pH 8.3**	34700	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:53	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:53	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:53	
SM 2540 C	**Total Diss. Solids**	60600	mg/L	100			X518116	TJL	05/01/25 12:55	E11
SM 2540 D	**Total Susp. Solids**	274	mg/L	5.0			X518117	TJL	05/03/25 09:05	
SM 4500 H B	**pH @20.2°C**	2.4	pH Units				X518164	MWD	05/01/25 14:53	H5

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **SEEP-02**
SVL Sample ID: **X5D0430-04 (Ground Water)**

Sampled: 28-Apr-25 12:30
Received: 29-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 10.0	mg/L	10.0	1.10	50	X518093	RS	04/29/25 16:57	D18
EPA 300.0	**Fluoride**	846	mg/L	100	17.0	1000	X518093	RS	04/29/25 17:13	
EPA 300.0	**Nitrate as N**	2.63	mg/L	2.50	0.650	50	X518093	RS	04/29/25 16:57	D18
EPA 300.0	Nitrate+Nitrite as N	< 5.00	mg/L	5.00	2.20	50	X518093	RS	04/29/25 16:57	D18
EPA 300.0	Nitrite as N	< 2.50	mg/L	2.50	1.55	50	X518093	RS	04/29/25 16:57	D18
EPA 300.0	**Sulfate as SO4**	43500	mg/L	300	180	1000	X518093	RS	04/29/25 17:13	

Cation/Anion Balance and TDS Ratios

Cation Sum: 769 meq/L Anion Sum: 950 meq/L C/A Balance: -10.53 % Calculated TDS: 45233 TDS/cTDS: 1.34

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

Kristi A. Groth

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Project Manager

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **EMP-17A**
SVL Sample ID: **X5D0430-05 (Ground Water)**

Sampled: 28-Apr-25 12:08
Received: 29-Apr-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**	46.0	mg/L	0.100	0.069		X518169	MAC	05/07/25 10:22	
EPA 200.7	**Magnesium**	7.82	mg/L	0.500	0.090		X518169	MAC	05/07/25 10:22	
EPA 200.7	**Potassium**	5.88	mg/L	0.50	0.18		X518169	MAC	05/07/25 10:22	
SM 2340 B	**Hardness (as CaCO3)**	147	mg/L	2.31	0.543		N/A		05/07/25 08:24	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	2.84	mg/L	0.080	0.054		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Barium**	0.0607	mg/L	0.0020	0.0019		X518124	MAC	05/06/25 14:25	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X518124	MAC	05/06/25 14:25	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Cadmium**	0.0095	mg/L	0.0020	0.0016		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Calcium**	40.8	mg/L	0.100	0.069		X518124	MAC	05/06/25 14:25	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Cobalt**	0.0390	mg/L	0.0060	0.0046		X518124	MAC	05/06/25 14:25	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Iron**	0.268	mg/L	0.100	0.056		X518124	MAC	05/06/25 14:25	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518124	MAC	05/06/25 14:25	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Magnesium**	7.05	mg/L	2.50	0.450	5	X518124	NMS	05/07/25 08:24	D18
EPA 200.7	**Manganese**	6.91	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 14:25	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Nickel**	0.0214	mg/L	0.0100	0.0048		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Potassium**	5.56	mg/L	0.50	0.18		X518124	MAC	05/06/25 14:25	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Sodium**	2.50	mg/L	0.50	0.12		X518124	MAC	05/06/25 14:25	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 14:25	
EPA 200.7	**Zinc**	0.847	mg/L	0.0100	0.0054		X518124	MAC	05/06/25 14:25	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519002	SMU	05/07/25 17:36	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X519002	SMU	05/07/25 17:36	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X519002	SMU	05/07/25 17:36	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X519002	SMU	05/07/25 17:36	
EPA 200.8	**Uranium**	0.000715	mg/L	0.000100	0.000052		X519002	SMU	05/07/25 17:36	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X518107	SJN	05/02/25 10:56	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X519005	JPM	05/06/25 08:32	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 14:43	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X518147	JPM	05/02/25 10:46	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519083	JPM	05/08/25 14:03	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:58	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:58	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:58	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 14:58	
SM 2540 C	**Total Diss. Solids**	580	mg/L	10			X518116	TJL	05/01/25 12:55	
SM 2540 D	**Total Susp. Solids**	20.0	mg/L	5.0			X518117	TJL	05/03/25 09:05	
SM 4500 H B	**pH @20.2°C**	5.6	pH Units				X518164	MWD	05/01/25 14:58	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **EMP-17A**
SVL Sample ID: **X5D0430-05 (Ground Water)**

Sampled: 28-Apr-25 12:08
Received: 29-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	2.53	mg/L	0.20	0.02		X518093	RS	04/29/25 18:00	
EPA 300.0	**Fluoride**	4.36	mg/L	0.100	0.017		X518093	RS	04/29/25 18:00	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X518093	RS	04/29/25 18:00	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X518093	RS	04/29/25 18:00	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X518093	RS	04/29/25 18:00	
EPA 300.0	**Sulfate as SO4**	185	mg/L	3.00	1.80	10	X518093	RS	04/29/25 18:15	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.48 meq/L Anion Sum: 4.18 meq/L C/A Balance: -9.15 % Calculated TDS: 251 TDS/cTDS: 2.31

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **EMP-16**
SVL Sample ID: **X5D0430-06 (Ground Water)**

Sampled: 28-Apr-25 11:53
Received: 29-Apr-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**	112	mg/L	0.100	0.069		X518169	MAC	05/07/25 10:26	
EPA 200.7	**Magnesium**	46.2	mg/L	0.500	0.090		X518169	MAC	05/07/25 10:26	
EPA 200.7	**Potassium**	4.34	mg/L	0.50	0.18		X518169	MAC	05/07/25 10:26	
SM 2340 B	**Hardness (as CaCO3)**	435	mg/L	2.31	0.543		N/A		05/07/25 10:26	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	72.2	mg/L	0.080	0.054		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Barium**	0.0226	mg/L	0.0020	0.0019		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Beryllium**	0.0172	mg/L	0.00200	0.00080		X518124	MAC	05/06/25 14:29	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Cadmium**	0.128	mg/L	0.0020	0.0016		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Calcium**	102	mg/L	0.100	0.069		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Chromium**	0.0155	mg/L	0.0060	0.0020		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Cobalt**	0.665	mg/L	0.0060	0.0046		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Copper**	0.251	mg/L	0.0100	0.0027		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Iron**	5.34	mg/L	0.100	0.056		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Lead**	0.0260	mg/L	0.0075	0.0049		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Lithium**	0.081	mg/L	0.040	0.025		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Magnesium**	44.1	mg/L	0.500	0.090		X518124	NMS	05/07/25 08:27	
EPA 200.7	**Manganese**	20.8	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 14:29	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Nickel**	0.437	mg/L	0.0100	0.0048		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Potassium**	4.15	mg/L	0.50	0.18		X518124	MAC	05/06/25 14:29	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Sodium**	4.64	mg/L	0.50	0.12		X518124	MAC	05/06/25 14:29	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 14:29	
EPA 200.7	**Zinc**	6.55	mg/L	0.0100	0.0054		X518124	MAC	05/06/25 14:29	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519002	SMU	05/07/25 17:39	
EPA 200.8	**Arsenic**	0.00927	mg/L	0.00100	0.00021		X519002	SMU	05/07/25 17:39	
EPA 200.8	**Selenium**	0.00100	mg/L	0.00100	0.00024		X519002	SMU	05/07/25 17:39	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X519002	SMU	05/07/25 17:39	
EPA 200.8	**Uranium**	0.227	mg/L	0.000100	0.000052		X519002	SMU	05/07/25 17:39	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X518107	SJN	05/02/25 10:58	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X519005	JPM	05/06/25 08:35	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 14:44	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X518147	JPM	05/02/25 10:48	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519083	JPM	05/08/25 14:06	
SM 2310 B	**Acidity to pH 8.3**	555	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:02	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:02	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:02	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:02	
SM 2540 C	**Total Diss. Solids**	1520	mg/L	10			X518116	TJL	05/01/25 12:55	
SM 2540 D	**Total Susp. Solids**	8.0	mg/L	5.0			X518117	TJL	05/03/25 09:05	
SM 4500 H B	**pH @20.1°C**	3.3	pH Units				X518164	MWD	05/01/25 15:02	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **EMP-16**
SVL Sample ID: **X5D0430-06 (Ground Water)**

Sampled: 28-Apr-25 11:53
Received: 29-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	6.35	mg/L	0.20	0.02		X518093	RS	04/29/25 18:31	
EPA 300.0	**Fluoride**	2.06	mg/L	0.100	0.017		X518093	RS	04/29/25 18:31	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X518093	RS	04/29/25 18:31	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X518093	RS	04/29/25 18:31	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X518093	RS	04/29/25 18:31	
EPA 300.0	**Sulfate as SO4**	1040	mg/L	15.0	9.00	50	X518093	RS	04/29/25 18:46	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 20.1 meq/L Anion Sum: 22.0 meq/L C/A Balance: -4.36 % Calculated TDS: 1209 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

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GV-5**
SVL Sample ID: **X5D0430-07 (Surface Water)**

Sampled: 28-Apr-25 11:08
Received: 29-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 1631E	**Mercury**	0.901	ng/L	0.500	0.120		X518220	MAC	05/02/25 16:35	
EPA 245.1	Mercury	< 0.000093	mg/L	0.000200	0.000093		X518108	SJN	05/02/25 12:00	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.0349	mg/L	0.0020	0.0019		X518169	MAC	05/07/25 10:29	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X518169	MAC	05/07/25 10:29	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518169	MAC	05/07/25 10:29	
EPA 200.7	**Calcium**	40.4	mg/L	0.100	0.069		X518169	MAC	05/07/25 10:29	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X518169	MAC	05/07/25 10:29	
EPA 200.7	**Iron**	0.839	mg/L	0.100	0.056		X518169	MAC	05/07/25 10:29	
EPA 200.7	**Magnesium**	9.61	mg/L	0.500	0.090		X518169	MAC	05/07/25 10:29	
EPA 200.7	**Manganese**	0.422	mg/L	0.0080	0.0034		X518169	MAC	05/07/25 10:29	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518169	MAC	05/07/25 10:29	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X518169	MAC	05/07/25 10:29	
EPA 200.7	Phosphorus	< 0.050	mg/L	0.050	0.013		X518169	MAC	05/07/25 10:29	
EPA 200.7	**Potassium**	1.49	mg/L	0.50	0.18		X518169	MAC	05/07/25 10:29	
EPA 200.7	**Sodium**	14.2	mg/L	0.50	0.12		X518169	MAC	05/07/25 10:29	
EPA 200.7	**Zinc**	0.0104	mg/L	0.0100	0.0054		X518169	MAC	05/07/25 10:29	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X518144	SMU	05/06/25 17:00	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X518144	SMU	05/06/25 17:00	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X518144	SMU	05/06/25 17:00	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X518144	SMU	05/06/25 17:00	
EPA 200.8	**Copper**	0.00055	mg/L	0.00040	0.00036		X518144	SMU	05/06/25 17:00	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X518144	SMU	05/06/25 17:00	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X518144	SMU	05/06/25 17:00	
SM 2340 B	**Hardness (as CaC03)**	129	mg/L	2.31	0.543		N/A		05/07/25 10:29	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X518124	MAC	05/06/25 14:33	
EPA 200.7	**Barium**	0.0289	mg/L	0.0020	0.0019		X518124	MAC	05/06/25 14:33	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X518124	MAC	05/06/25 14:33	
EPA 200.7	**Calcium**	36.4	mg/L	0.100	0.069		X518124	MAC	05/06/25 14:33	
EPA 200.7	**Iron**	0.104	mg/L	0.100	0.056		X518124	MAC	05/06/25 14:33	
EPA 200.7	**Magnesium**	9.29	mg/L	0.500	0.090		X518124	NMS	05/07/25 08:31	
EPA 200.7	**Manganese**	0.284	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 14:33	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 14:33	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X518124	MAC	05/06/25 14:33	
EPA 200.7	**Potassium**	1.57	mg/L	0.50	0.18		X518124	MAC	05/06/25 14:33	
EPA 200.7	**Sodium**	13.4	mg/L	0.50	0.12		X518124	MAC	05/06/25 14:33	
EPA 200.7	**Zinc**	0.0110	mg/L	0.0100	0.0054		X518124	MAC	05/06/25 14:33	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519002	SMU	05/07/25 17:42	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X519002	SMU	05/07/25 17:42	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X519002	SMU	05/07/25 17:42	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X519002	SMU	05/07/25 17:42	
EPA 200.8	Copper	< 0.00040	mg/L	0.00040	0.00036		X519002	SMU	05/07/25 17:42	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X519002	SMU	05/07/25 17:42	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X519002	SMU	05/07/25 17:42	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X519002	SMU	05/07/25 17:42	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X519002	SMU	05/07/25 17:42	
EPA 200.8	**Uranium**	0.000712	mg/L	0.000100	0.000052		X519002	SMU	05/07/25 17:42	

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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GV-5**
SVL Sample ID: **X5D0430-07 (Surface Water)**

Sampled: 28-Apr-25 11:08
Received: 29-Apr-25
Sampled By: JC

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		X519005	JPM	05/06/25 08:37	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		05/07/25 10:29	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 14:46	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X518147	JPM	05/02/25 10:50	
EPA 351.2	TKN	< 0.50	mg/L	0.50	0.31		X518112	ORW	05/01/25 18:35	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519083	JPM	05/08/25 14:21	
SM 2310 B	**Acidity to pH 8.3**	-89.0	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	**Total Alkalinity**	83.6	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:07	
SM 2320 B	**Bicarbonate**	83.6	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:07	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:07	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:07	
SM 2540 C	**Total Diss. Solids**	289	mg/L	10			X518116	TJL	05/01/25 12:55	
SM 2540 D	**Total Susp. Solids**	9.0	mg/L	5.0			X518117	TJL	05/03/25 09:05	
SM 4500 H B	**pH @20.2°C**	7.8	pH Units				X518164	MWD	05/01/25 15:07	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X518203	CND	05/02/25 11:53	
SM 4500-O-G	**Dissolved Oxygen**	8.9	mg/L	0.1			X519056	TJL	05/08/25 13:20	H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X518150	CND	05/01/25 14:20	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		05/07/25 17:42	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	12.7	mg/L	2.00	0.22	10	X518093	RS	04/29/25 19:17	M4
EPA 300.0	**Fluoride**	0.706	mg/L	0.100	0.017		X518093	RS	04/29/25 19:02	
EPA 300.0	**Nitrate as N**	0.065	mg/L	0.050	0.013		X518093	RS	04/29/25 19:02	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X518093	RS	04/29/25 19:02	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X518093	RS	04/29/25 19:02	
EPA 300.0	**Sulfate as SO4**	84.3	mg/L	3.00	1.80	10	X518093	RS	04/29/25 19:17	M4

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.22 meq/L Anion Sum: 3.82 meq/L C/A Balance: -8.52 % Calculated TDS: 211 TDS/cTDS: 1.37

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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Kellogg, ID 83837-0929
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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GV-4.5**
SVL Sample ID: **X5D0430-08 (Surface Water)**

Sampled: 28-Apr-25 10:40
Received: 29-Apr-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 1631E	**Mercury**	0.538	ng/L	0.500	0.120		X518220	MAC	05/02/25 16:40	
EPA 245.1	Mercury	< 0.000093	mg/L	0.000200	0.000093		X518108	SJN	05/02/25 12:07	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.0856	mg/L	0.0020	0.0019		X518169	MAC	05/07/25 10:37	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X518169	MAC	05/07/25 10:37	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518169	MAC	05/07/25 10:37	
EPA 200.7	**Calcium**	44.4	mg/L	0.100	0.069		X518169	MAC	05/07/25 10:37	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X518169	MAC	05/07/25 10:37	
EPA 200.7	**Iron**	3.11	mg/L	0.100	0.056		X518169	MAC	05/07/25 10:37	
EPA 200.7	**Magnesium**	9.83	mg/L	0.500	0.090		X518169	MAC	05/07/25 10:37	
EPA 200.7	**Manganese**	0.400	mg/L	0.0080	0.0034		X518169	MAC	05/07/25 10:37	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518169	MAC	05/07/25 10:37	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X518169	MAC	05/07/25 10:37	
EPA 200.7	Phosphorus	< 0.050	mg/L	0.050	0.013		X518169	MAC	05/07/25 10:37	
EPA 200.7	**Potassium**	0.99	mg/L	0.50	0.18		X518169	MAC	05/07/25 10:37	
EPA 200.7	**Sodium**	13.4	mg/L	0.50	0.12		X518169	MAC	05/07/25 10:37	
EPA 200.7	**Zinc**	0.0105	mg/L	0.0100	0.0054		X518169	MAC	05/07/25 10:37	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X518144	SMU	05/06/25 17:03	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X518144	SMU	05/06/25 17:03	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X518144	SMU	05/06/25 17:03	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X518144	SMU	05/06/25 17:03	
EPA 200.8	**Copper**	0.00080	mg/L	0.00040	0.00036		X518144	SMU	05/06/25 17:03	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X518144	SMU	05/06/25 17:03	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X518144	SMU	05/06/25 17:03	
SM 2340 B	**Hardness (as CaC03)**	150	mg/L	2.31	0.543		N/A		05/07/25 10:37	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X518124	MAC	05/06/25 14:36	
EPA 200.7	**Barium**	0.0806	mg/L	0.0020	0.0019		X518124	MAC	05/06/25 14:36	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X518124	MAC	05/06/25 14:36	
EPA 200.7	**Calcium**	39.9	mg/L	0.100	0.069		X518124	MAC	05/06/25 14:36	
EPA 200.7	**Iron**	1.07	mg/L	0.100	0.056		X518124	MAC	05/06/25 14:36	
EPA 200.7	**Magnesium**	9.47	mg/L	0.500	0.090		X518124	NMS	05/07/25 08:35	
EPA 200.7	**Manganese**	0.355	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 14:36	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 14:36	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X518124	MAC	05/06/25 14:36	
EPA 200.7	**Potassium**	1.03	mg/L	0.50	0.18		X518124	MAC	05/06/25 14:36	
EPA 200.7	**Sodium**	12.5	mg/L	0.50	0.12		X518124	MAC	05/06/25 14:36	
EPA 200.7	**Zinc**	0.0101	mg/L	0.0100	0.0054		X518124	MAC	05/06/25 14:36	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519002	SMU	05/07/25 17:45	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X519002	SMU	05/07/25 17:45	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X519002	SMU	05/07/25 17:45	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X519002	SMU	05/07/25 17:45	
EPA 200.8	Copper	< 0.00040	mg/L	0.00040	0.00036		X519002	SMU	05/07/25 17:45	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X519002	SMU	05/07/25 17:45	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X519002	SMU	05/07/25 17:45	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X519002	SMU	05/07/25 17:45	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X519002	SMU	05/07/25 17:45	
EPA 200.8	**Uranium**	0.000641	mg/L	0.000100	0.000052		X519002	SMU	05/07/25 17:45	

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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Client Sample ID: **GV-4.5**
SVL Sample ID: **X5D0430-08 (Surface Water)**

Sampled: 28-Apr-25 10:40
Received: 29-Apr-25
Sampled By: JC

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		X519005	JPM	05/06/25 08:39	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		05/07/25 10:37	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 14:48	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X518147	JPM	05/02/25 10:53	
EPA 351.2	TKN	< 0.50	mg/L	0.50	0.31		X518112	ORW	05/01/25 18:38	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519083	JPM	05/08/25 14:24	
SM 2310 B	**Acidity to pH 8.3**	-89.0	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	**Total Alkalinity**	90.6	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:13	
SM 2320 B	**Bicarbonate**	90.6	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:13	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:13	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:13	
SM 2540 C	**Total Diss. Solids**	238	mg/L	10			X518116	TJL	05/01/25 12:55	
SM 2540 D	**Total Susp. Solids**	47.0	mg/L	5.0			X518117	TJL	05/03/25 09:05	
SM 4500 H B	**pH @20.2°C**	7.0	pH Units				X518164	MWD	05/01/25 15:13	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X518203	CND	05/02/25 11:54	
SM 4500-O-G	**Dissolved Oxygen**	8.5	mg/L	0.1			X519056	TJL	05/08/25 13:20	H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X518150	CND	05/01/25 14:20	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		05/07/25 17:45	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	27.1	mg/L	2.00	0.22	10	X518093	RS	04/29/25 21:22	
EPA 300.0	**Fluoride**	0.468	mg/L	0.100	0.017		X518093	RS	04/29/25 21:06	
EPA 300.0	**Nitrate as N**	0.249	mg/L	0.050	0.013		X518093	RS	04/29/25 21:06	
EPA 300.0	**Nitrate+Nitrite as N**	0.260	mg/L	0.100	0.044		X518093	RS	04/29/25 21:06	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X518093	RS	04/29/25 21:06	
EPA 300.0	**Sulfate as SO4**	68.3	mg/L	3.00	1.80	10	X518093	RS	04/29/25 21:22	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.40 meq/L Anion Sum: 4.04 meq/L C/A Balance: -8.62 % Calculated TDS: 217 TDS/cTDS: 1.10

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

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	X518220	02-May-25	
EPA 1631E	Mercury	ng/L	<0.500	0.120	0.500	X518220	02-May-25	
EPA 1631E	Mercury	ng/L	<0.500	0.120	0.500	X518220	02-May-25	
EPA 245.1	Mercury	mg/L	0.000094	0.000093	0.000200	X518108	02-May-25	J
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X518169	07-May-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X518169	07-May-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X518169	07-May-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X518169	07-May-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X518169	07-May-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X518169	07-May-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X518169	07-May-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X518169	07-May-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X518169	07-May-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X518169	07-May-25	
EPA 200.7	Phosphorus	mg/L	<0.050	0.013	0.050	X518169	07-May-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X518169	07-May-25	
EPA 200.7	Sodium	mg/L	<0.12	0.12	0.50	X518169	07-May-25	U
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X518169	07-May-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X518144	06-May-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X518144	06-May-25	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X518144	06-May-25	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X518144	06-May-25	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X518144	06-May-25	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X518144	06-May-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X518144	06-May-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X518124	06-May-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X518124	06-May-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X518124	06-May-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X518124	06-May-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X518124	06-May-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X518124	06-May-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X518124	06-May-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X518124	06-May-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X518124	06-May-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X518124	06-May-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X518124	06-May-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X518124	06-May-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X518124	06-May-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X518124	06-May-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X518124	06-May-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X518124	06-May-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X518124	06-May-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X518124	06-May-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X518124	06-May-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X518124	06-May-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X518124	06-May-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X519002	07-May-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X519002	07-May-25	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X519002	07-May-25	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X519002	07-May-25	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X519002	07-May-25	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X519002	07-May-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X519002	07-May-25	
EPA 200.8	Silver	mg/L	<0.00008	0.000061	0.00008	X519002	07-May-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Dissolved) (Continued)								
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X519002	07-May-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X519002	07-May-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X518107	02-May-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X519005	06-May-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X519012	06-May-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X518147	02-May-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X519039	07-May-25	
EPA 351.2	TKN	mg/L	<0.50	0.31	0.50	X518112	01-May-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X519083	08-May-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X519114	08-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X518164	01-May-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X518164	01-May-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X518164	01-May-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X518164	01-May-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X518116	01-May-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X518117	03-May-25	
SM 4500 S D	Sulfide	mg/L	<0.050	0.020	0.050	X518203	02-May-25	
Dissolved Classical Chemistry Parameters								
SM 3500 Cr B	Hexavalent Chromium	mg/L	<0.0050	0.0019	0.0050	X518150	01-May-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X518093	29-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X518093	29-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X518093	29-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X518093	29-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X518093	29-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X518093	29-Apr-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	4.91	5.00	98.3	77 - 123	X518220	02-May-25	
EPA 245.1	Mercury	mg/L	0.00229	0.00200	114	85 - 115	X518108	02-May-25	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Barium	mg/L	0.944	1.00	94.4	85 - 115	X518169	07-May-25	
EPA 200.7	Beryllium	mg/L	0.947	1.00	94.7	85 - 115	X518169	07-May-25	
EPA 200.7	Boron	mg/L	0.961	1.00	96.1	85 - 115	X518169	07-May-25	
EPA 200.7	Calcium	mg/L	18.7	20.0	94	85 - 115	X518169	07-May-25	
EPA 200.7	Chromium	mg/L	0.942	1.00	94.2	85 - 115	X518169	07-May-25	
EPA 200.7	Iron	mg/L	9.26	10.0	92.6	85 - 115	X518169	07-May-25	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.4	85 - 115	X518169	07-May-25	
EPA 200.7	Manganese	mg/L	0.930	1.00	93.0	85 - 115	X518169	07-May-25	
EPA 200.7	Molybdenum	mg/L	0.946	1.00	94.6	85 - 115	X518169	07-May-25	
EPA 200.7	Nickel	mg/L	0.926	1.00	92.6	85 - 115	X518169	07-May-25	
EPA 200.7	Phosphorus	mg/L	0.966	1.00	96.6	85 - 115	X518169	07-May-25	
EPA 200.7	Potassium	mg/L	18.8	20.0	93.8	85 - 115	X518169	07-May-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)									
EPA 200.7	Sodium	mg/L	17.9	19.0	94.1	85 - 115	X518169	07-May-25	
EPA 200.7	Zinc	mg/L	0.937	1.00	93.7	85 - 115	X518169	07-May-25	
EPA 200.8	Antimony	mg/L	0.0222	0.0250	88.7	85 - 115	X518144	06-May-25	
EPA 200.8	Arsenic	mg/L	0.0220	0.0250	87.8	85 - 115	X518144	06-May-25	
EPA 200.8	Cadmium	mg/L	0.0222	0.0250	88.7	85 - 115	X518144	06-May-25	
EPA 200.8	Chromium	mg/L	0.0223	0.0250	89.2	85 - 115	X518144	06-May-25	
EPA 200.8	Copper	mg/L	0.0230	0.0250	92.1	85 - 115	X518144	06-May-25	
EPA 200.8	Lead	mg/L	0.0221	0.0250	88.6	85 - 115	X518144	06-May-25	
EPA 200.8	Selenium	mg/L	0.0214	0.0250	85.5	85 - 115	X518144	06-May-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.928	1.00	92.8	85 - 115	X518124	06-May-25	
EPA 200.7	Barium	mg/L	0.957	1.00	95.7	85 - 115	X518124	06-May-25	
EPA 200.7	Beryllium	mg/L	0.957	1.00	95.7	85 - 115	X518124	06-May-25	
EPA 200.7	Boron	mg/L	0.981	1.00	98.1	85 - 115	X518124	06-May-25	
EPA 200.7	Cadmium	mg/L	0.959	1.00	95.9	85 - 115	X518124	06-May-25	
EPA 200.7	Calcium	mg/L	18.1	20.0	90.7	85 - 115	X518124	06-May-25	
EPA 200.7	Chromium	mg/L	0.952	1.00	95.2	85 - 115	X518124	06-May-25	
EPA 200.7	Cobalt	mg/L	0.936	1.00	93.6	85 - 115	X518124	06-May-25	
EPA 200.7	Copper	mg/L	0.951	1.00	95.1	85 - 115	X518124	06-May-25	
EPA 200.7	Iron	mg/L	9.10	10.0	91.0	85 - 115	X518124	06-May-25	
EPA 200.7	Lead	mg/L	0.956	1.00	95.6	85 - 115	X518124	06-May-25	
EPA 200.7	Lithium	mg/L	0.926	1.00	92.6	85 - 115	X518124	06-May-25	
EPA 200.7	Magnesium	mg/L	17.8	20.0	88.8	85 - 115	X518124	06-May-25	
EPA 200.7	Manganese	mg/L	0.943	1.00	94.3	85 - 115	X518124	06-May-25	
EPA 200.7	Molybdenum	mg/L	0.945	1.00	94.5	85 - 115	X518124	06-May-25	
EPA 200.7	Nickel	mg/L	0.928	1.00	92.8	85 - 115	X518124	06-May-25	
EPA 200.7	Potassium	mg/L	19.1	20.0	95.7	85 - 115	X518124	06-May-25	
EPA 200.7	Silver	mg/L	0.0485	0.0500	97.0	85 - 115	X518124	06-May-25	
EPA 200.7	Sodium	mg/L	17.8	19.0	93.9	85 - 115	X518124	06-May-25	
EPA 200.7	Vanadium	mg/L	0.984	1.00	98.4	85 - 115	X518124	06-May-25	
EPA 200.7	Zinc	mg/L	0.976	1.00	97.6	85 - 115	X518124	06-May-25	
EPA 200.8	Antimony	mg/L	0.0235	0.0250	93.9	85 - 115	X519002	07-May-25	
EPA 200.8	Arsenic	mg/L	0.0246	0.0250	98.4	85 - 115	X519002	07-May-25	
EPA 200.8	Cadmium	mg/L	0.0239	0.0250	95.4	85 - 115	X519002	07-May-25	
EPA 200.8	Chromium	mg/L	0.0236	0.0250	94.4	85 - 115	X519002	07-May-25	
EPA 200.8	Copper	mg/L	0.0286	0.0250	114	85 - 115	X519002	07-May-25	
EPA 200.8	Lead	mg/L	0.0229	0.0250	91.6	85 - 115	X519002	07-May-25	
EPA 200.8	Selenium	mg/L	0.0267	0.0250	107	85 - 115	X519002	07-May-25	
EPA 200.8	Silver	mg/L	0.0233	0.0250	93.2	85 - 115	X519002	07-May-25	
EPA 200.8	Thallium	mg/L	0.0221	0.0250	88.5	85 - 115	X519002	07-May-25	
EPA 200.8	Uranium	mg/L	0.0225	0.0250	90.0	85 - 115	X519002	07-May-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00206	0.00200	103	85 - 115	X518107	02-May-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.109	0.100	109	90 - 110	X519005	06-May-25	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.100	100	90 - 110	X519012	06-May-25	
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X518147	02-May-25	
EPA 350.1	Ammonia as N	mg/L	1.02	1.00	102	90 - 110	X519039	07-May-25	
EPA 351.2	TKN	mg/L	8.64	8.00	108	90 - 110	X518112	01-May-25	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X519083	08-May-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1170	1180	99.4	95.4 - 104	X519114	08-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	94 - 106	X518164	01-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X518164	01-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	413	397	104	94 - 106	X518164	01-May-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Classical Chemistry Parameters (Continued)									
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X518117	03-May-25	
SM 4500 S D	Sulfide	mg/L	0.466	0.500	93.2	85 - 115	X518203	02-May-25	
Dissolved Classical Chemistry Parameters									
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0962	0.100	96.2	80 - 120	X518150	01-May-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.16	3.00	105	90 - 110	X518093	29-Apr-25	
EPA 300.0	Fluoride	mg/L	2.03	2.00	102	90 - 110	X518093	29-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X518093	29-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.73	4.50	105	90 - 110	X518093	29-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.67	2.50	107	90 - 110	X518093	29-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X518093	29-Apr-25	

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	7020	7020	0.0	20	X519114 - X5D0430-01	08-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X518164 - X5D0430-02	01-May-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X518164 - X5D0430-02	01-May-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X518164 - X5D0430-02	01-May-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X518164 - X5D0430-02	01-May-25	
SM 2540 C	Total Diss. Solids	mg/L	247	238	3.7	10	X518116 - X5D0430-08	01-May-25	
SM 2540 C	Total Diss. Solids	mg/L	368	374	1.6	10	X518116 - X5D0409-02	01-May-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X518117 - X5D0409-02	03-May-25	
SM 2540 D	Total Susp. Solids	mg/L	48.0	47.0	2.1	10	X518117 - X5D0430-08	03-May-25	
SM 4500 H B	pH @20.3°C	pH Units	4.2	4.2	0.2	20	X518164 - X5D0430-02	01-May-25	
SM 4500-O-G	Dissolved Oxygen	mg/L	8.8	8.9	1.1	20	X519056 - X5D0430-07	08-May-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	3.12	0.626	2.50	99.9	71 - 125	X518220 - X5D0473-01	02-May-25	
EPA 245.1	Mercury	mg/L	0.00225	<0.000093	0.00200	112	70 - 130	X518108 - X5D0430-07	02-May-25	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	0.977	0.0349	1.00	94.2	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Barium	mg/L	0.167	<0.0100	1.00	16.7	70 - 130	X518169 - X5D0430-01	07-May-25	D18,M4
EPA 200.7	Beryllium	mg/L	0.969	<0.00200	1.00	96.9	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Beryllium	mg/L	1.59	0.668	1.00	92.6	70 - 130	X518169 - X5D0430-01	07-May-25	D18,M4
EPA 200.7	Boron	mg/L	0.995	<0.0400	1.00	98.5	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Boron	mg/L	1.01	<0.200	1.00	101	70 - 130	X518169 - X5D0430-01	07-May-25	D18
EPA 200.7	Calcium	mg/L	59.2	40.4	20.0	94	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Calcium	mg/L	412	404	20.0	0.30R>S	70 - 130	X518169 - X5D0430-01	07-May-25	D18,M4
EPA 200.7	Chromium	mg/L	0.957	<0.0060	1.00	95.7	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Chromium	mg/L	1.07	0.150	1.00	91.9	70 - 130	X518169 - X5D0430-01	07-May-25	D18

SVL holds the following certifications:
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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)										
EPA 200.7	Iron	mg/L	10.2	0.839	10.0	93.8	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Iron	mg/L	64.8	57.2	10.0	75.5	70 - 130	X518169 - X5D0430-01	07-May-25	D18
EPA 200.7	Magnesium	mg/L	29.3	9.61	20.0	98.3	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Magnesium	mg/L	401	392	20.0	0.30R>S	70 - 130	X518169 - X5D0430-01	07-May-25	D18,M4
EPA 200.7	Manganese	mg/L	1.36	0.422	1.00	93.8	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Manganese	mg/L	320	338	1.00	0.30R>S	70 - 130	X518169 - X5D0430-01	07-May-25	D18,M4
EPA 200.7	Molybdenum	mg/L	0.963	<0.0080	1.00	96.3	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Molybdenum	mg/L	0.929	<0.0400	1.00	92.9	70 - 130	X518169 - X5D0430-01	07-May-25	D18
EPA 200.7	Nickel	mg/L	0.928	<0.0100	1.00	92.8	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Nickel	mg/L	3.93	3.10	1.00	82.9	70 - 130	X518169 - X5D0430-01	07-May-25	D18
EPA 200.7	Phosphorus	mg/L	0.996	<0.050	1.00	97.9	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Phosphorus	mg/L	1.60	0.639	1.00	96.2	70 - 130	X518169 - X5D0430-01	07-May-25	D18
EPA 200.7	Potassium	mg/L	20.6	1.49	20.0	95.4	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Potassium	mg/L	20.0	<2.50	20.0	100	70 - 130	X518169 - X5D0430-01	07-May-25	D18
EPA 200.7	Sodium	mg/L	32.2	14.2	19.0	94.8	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Sodium	mg/L	50.5	32.7	19.0	93.4	70 - 130	X518169 - X5D0430-01	07-May-25	D18
EPA 200.7	Zinc	mg/L	0.953	0.0104	1.00	94.3	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Zinc	mg/L	79.8	81.3	1.00	0.30R>S	70 - 130	X518169 - X5D0430-01	07-May-25	D18,M4
EPA 200.8	Antimony	mg/L	0.0232	<0.00100	0.0250	92.9	70 - 130	X518144 - X5D0403-01	06-May-25	
EPA 200.8	Arsenic	mg/L	0.0251	0.00290	0.0250	88.6	70 - 130	X518144 - X5D0403-01	06-May-25	
EPA 200.8	Cadmium	mg/L	0.0230	<0.000100	0.0250	92.0	70 - 130	X518144 - X5D0403-01	06-May-25	
EPA 200.8	Chromium	mg/L	0.0235	0.00146	0.0250	88.3	70 - 130	X518144 - X5D0403-01	06-May-25	
EPA 200.8	Copper	mg/L	0.0251	0.00213	0.0250	92.0	70 - 130	X518144 - X5D0403-01	06-May-25	
EPA 200.8	Lead	mg/L	0.0229	0.00042	0.0250	89.9	70 - 130	X518144 - X5D0403-01	06-May-25	
EPA 200.8	Selenium	mg/L	0.0227	0.00101	0.0250	86.9	70 - 130	X518144 - X5D0403-01	06-May-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.890	<0.080	1.00	89.0	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Aluminum	mg/L	1040	1050	1.00	0.30R>S	70 - 130	X518124 - X5D0433-01	06-May-25	M4
EPA 200.7	Barium	mg/L	0.936	0.0112	1.00	92.4	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Barium	mg/L	0.902	0.0088	1.00	89.3	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Beryllium	mg/L	0.878	<0.00200	1.00	87.8	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Beryllium	mg/L	1.65	0.682	1.00	97.1	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Boron	mg/L	1.00	0.0582	1.00	94.5	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Boron	mg/L	1.01	<0.0400	1.00	98.9	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Cadmium	mg/L	0.876	<0.0020	1.00	87.6	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Cadmium	mg/L	2.93	2.05	1.00	88.6	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Calcium	mg/L	283	265	20.0	90.6	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Calcium	mg/L	399	381	20.0	88.0	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Chromium	mg/L	0.897	<0.0060	1.00	89.5	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Chromium	mg/L	1.06	0.149	1.00	90.7	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Cobalt	mg/L	0.859	<0.0060	1.00	85.9	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Cobalt	mg/L	2.79	1.91	1.00	88.2	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Copper	mg/L	0.926	<0.0100	1.00	92.6	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Copper	mg/L	6.15	5.13	1.00	102	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Iron	mg/L	9.11	0.423	10.0	86.9	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Iron	mg/L	63.9	55.0	10.0	88.4	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Lead	mg/L	0.887	<0.0075	1.00	88.7	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Lead	mg/L	0.944	0.0347	1.00	90.9	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Lithium	mg/L	1.02	0.041	1.00	98.1	70 - 130	X518124 - X5D0404-01	06-May-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Lithium	mg/L	1.71	0.492	1.00	122	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Magnesium	mg/L	118	99.8	20.0	90.1	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Magnesium	mg/L	411	394	20.0	84.8	70 - 130	X518124 - X5D0433-01	07-May-25	D18
EPA 200.7	Manganese	mg/L	0.920	0.0350	1.00	88.5	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Manganese	mg/L	297	298	1.00	0.30R>S	70 - 130	X518124 - X5D0433-01	06-May-25	M4
EPA 200.7	Molybdenum	mg/L	0.893	<0.0080	1.00	89.3	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Molybdenum	mg/L	0.915	<0.0080	1.00	91.5	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Nickel	mg/L	0.875	0.0241	1.00	85.1	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Nickel	mg/L	3.90	3.04	1.00	85.9	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Potassium	mg/L	21.3	2.72	20.0	92.8	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Potassium	mg/L	20.3	0.62	20.0	98.2	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Silver	mg/L	0.0434	<0.0050	0.0500	86.7	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Silver	mg/L	0.0628	0.0125	0.0500	101	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Sodium	mg/L	65.8	48.8	19.0	89.3	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Sodium	mg/L	50.7	32.2	19.0	97.3	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Vanadium	mg/L	0.951	<0.0050	1.00	94.9	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Vanadium	mg/L	0.989	<0.0050	1.00	98.9	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Zinc	mg/L	0.944	<0.0100	1.00	94.4	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Zinc	mg/L	90.5	89.6	1.00	86.8	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.8	Antimony	mg/L	0.0241	<0.00100	0.0250	96.6	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Antimony	mg/L	0.0250	<0.00100	0.0250	100	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Arsenic	mg/L	0.0252	<0.00100	0.0250	98.8	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Arsenic	mg/L	0.0391	0.0120	0.0250	108	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Cadmium	mg/L	0.0241	<0.000100	0.0250	96.3	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Cadmium	mg/L	0.0314	<0.000100	0.0250	126	70 - 130	X519002 - X5D0453-01	08-May-25	
EPA 200.8	Chromium	mg/L	0.0235	<0.00100	0.0250	94.0	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Chromium	mg/L	0.0253	<0.00100	0.0250	100	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Copper	mg/L	0.0313	0.00734	0.0250	95.9	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Copper	mg/L	0.0320	0.00073	0.0250	125	70 - 130	X519002 - X5D0453-01	08-May-25	
EPA 200.8	Lead	mg/L	0.0234	<0.00020	0.0250	93.5	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Lead	mg/L	0.0241	<0.00020	0.0250	96.5	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Selenium	mg/L	0.0267	<0.00100	0.0250	107	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Selenium	mg/L	0.0279	0.00105	0.0250	107	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Silver	mg/L	0.0224	<0.00008	0.0250	89.6	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Silver	mg/L	0.0229	<0.00008	0.0250	91.4	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Thallium	mg/L	0.0230	<0.000200	0.0250	92.0	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.7	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Uranium	mg/L	0.0258	0.00230	0.0250	94.1	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Uranium	mg/L	0.0281	0.00320	0.0250	99.5	70 - 130	X519002 - X5D0475-01	07-May-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X518107 - X5D0430-01	02-May-25	
EPA 245.1	Mercury	mg/L	0.00210	<0.000200	0.00200	105	70 - 130	X518107 - X5D0475-01	02-May-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0432	<0.0050	0.100	43.2	79 - 121	X519005 - X5D0430-01	06-May-25	M2,R2B
EPA 335.4	Cyanide (total)	mg/L	0.100	<0.0050	0.100	100	90 - 110	X519012 - X5D0430-02	06-May-25	
EPA 335.4	Cyanide (total)	mg/L	0.0589	<0.0050	0.100	58.9	90 - 110	X519012 - X5D0430-01	06-May-25	M2
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X518147 - X5D0430-02	02-May-25	
EPA 350.1	Ammonia as N	mg/L	1.08	<0.030	1.00	107	90 - 110	X518147 - X5D0430-01	02-May-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters (Continued)										
EPA 350.1	Ammonia as N	mg/L	1.23	0.180	1.00	105	90 - 110	X519039 - X5E0004-02	07-May-25	
EPA 350.1	Ammonia as N	mg/L	1.16	0.038	1.00	112	90 - 110	X519039 - X5E0004-01	07-May-25	M2
EPA 351.2	TKN	mg/L	8.70	<0.50	8.00	109	90 - 110	X518112 - X5D0408-04	01-May-25	
EPA 351.2	TKN	mg/L	8.74	<0.50	8.00	109	90 - 110	X518112 - X5D0408-03	01-May-25	
OIA 1677	Cyanide (WAD)	mg/L	0.0472	<0.0050	0.100	47.2	82 - 118	X519083 - X5D0430-03	08-May-25	M2,R2B
SM 4500 S D	Sulfide	mg/L	0.192	<0.050	0.200	96.0	75 - 125	X518203 - X5D0453-05	02-May-25	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0234	<0.0050	0.0222	105	75 - 125	X518150 - X5D0430-08	01-May-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	16.0	12.7	3.00	0.30R>S	90 - 110	X518093 - X5D0430-07	29-Apr-25	M4
EPA 300.0	Chloride	mg/L	8.26	5.03	3.00	108	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Fluoride	mg/L	2.76	0.706	2.00	102	90 - 110	X518093 - X5D0430-07	29-Apr-25	
EPA 300.0	Fluoride	mg/L	2.26	0.215	2.00	102	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.14	0.065	2.00	104	90 - 110	X518093 - X5D0430-07	29-Apr-25	
EPA 300.0	Nitrate as N	mg/L	14.8	12.9	2.00	90.8	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.24	<0.100	4.00	104	90 - 110	X518093 - X5D0430-07	29-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	17.2	13.3	4.00	98.8	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.10	<0.050	2.00	105	90 - 110	X518093 - X5D0430-07	29-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.48	0.340	2.00	107	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	92.6	84.3	10.0	0.30R>S	90 - 110	X518093 - X5D0430-07	29-Apr-25	M4
EPA 300.0	Sulfate as SO4	mg/L	57.6	47.8	10.0	98.9	90 - 110	X518093 - X5D0438-03	30-Apr-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	2.98	3.12	2.50	4.6	24	94.3	X518220 - X5D0473-01	
EPA 245.1	Mercury	mg/L	0.00222	0.00225	0.00200	1.3	20	111	X518108 - X5D0430-07	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	0.174	0.167	1.00	4.0	20	17.4	X518169 - X5D0430-01	D18,M4
EPA 200.7	Beryllium	mg/L	1.62	1.59	1.00	1.4	20	94.7	X518169 - X5D0430-01	D18
EPA 200.7	Boron	mg/L	0.997	1.01	1.00	1.0	20	99.7	X518169 - X5D0430-01	D18
EPA 200.7	Calcium	mg/L	412	412	20.0	0.0	20	0.30R>S	X518169 - X5D0430-01	D18,M4
EPA 200.7	Chromium	mg/L	1.07	1.07	1.00	0.2	20	91.7	X518169 - X5D0430-01	D18
EPA 200.7	Iron	mg/L	65.0	64.8	10.0	0.3	20	77.5	X518169 - X5D0430-01	D18
EPA 200.7	Magnesium	mg/L	404	401	20.0	0.9	20	0.30R>S	X518169 - X5D0430-01	D18,M4
EPA 200.7	Manganese	mg/L	342	320	1.00	6.7	20	0.30R>S	X518169 - X5D0430-01	D18,M4
EPA 200.7	Molybdenum	mg/L	0.914	0.929	1.00	1.7	20	91.4	X518169 - X5D0430-01	D18
EPA 200.7	Nickel	mg/L	3.89	3.93	1.00	1.2	20	78.2	X518169 - X5D0430-01	D18
EPA 200.7	Phosphorus	mg/L	1.53	1.60	1.00	4.5	20	89.1	X518169 - X5D0430-01	D18
EPA 200.7	Potassium	mg/L	19.8	20.0	20.0	1.0	20	99.2	X518169 - X5D0430-01	D18
EPA 200.7	Sodium	mg/L	50.6	50.5	19.0	0.2	20	93.9	X518169 - X5D0430-01	D18
EPA 200.7	Zinc	mg/L	79.1	79.8	1.00	0.9	20	0.30R>S	X518169 - X5D0430-01	D18,M4
EPA 200.8	Antimony	mg/L	0.0230	0.0232	0.0250	1.0	20	91.9	X518144 - X5D0403-01	
EPA 200.8	Arsenic	mg/L	0.0253	0.0251	0.0250	0.9	20	89.6	X518144 - X5D0403-01	
EPA 200.8	Cadmium	mg/L	0.0231	0.0230	0.0250	0.4	20	92.3	X518144 - X5D0403-01	
EPA 200.8	Chromium	mg/L	0.0237	0.0235	0.0250	0.5	20	88.8	X518144 - X5D0403-01	
EPA 200.8	Copper	mg/L	0.0251	0.0251	0.0250	0.2	20	91.9	X518144 - X5D0403-01	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

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 (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)										
EPA 200.8	Lead	mg/L	0.0226	0.0229	0.0250	1.4	20	88.7	X518144 - X5D0403-01	
EPA 200.8	Selenium	mg/L	0.0229	0.0227	0.0250	0.7	20	87.6	X518144 - X5D0403-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.904	0.890	1.00	1.5	20	90.4	X518124 - X5D0404-01	
EPA 200.7	Barium	mg/L	0.957	0.936	1.00	2.2	20	94.5	X518124 - X5D0404-01	
EPA 200.7	Beryllium	mg/L	0.894	0.878	1.00	1.8	20	89.4	X518124 - X5D0404-01	
EPA 200.7	Boron	mg/L	1.02	1.00	1.00	1.5	20	96.1	X518124 - X5D0404-01	
EPA 200.7	Cadmium	mg/L	0.883	0.876	1.00	0.9	20	88.3	X518124 - X5D0404-01	
EPA 200.7	Calcium	mg/L	287	283	20.0	1.4	20	111	X518124 - X5D0404-01	
EPA 200.7	Chromium	mg/L	0.907	0.897	1.00	1.1	20	90.4	X518124 - X5D0404-01	
EPA 200.7	Cobalt	mg/L	0.868	0.859	1.00	1.1	20	86.8	X518124 - X5D0404-01	
EPA 200.7	Copper	mg/L	0.938	0.926	1.00	1.2	20	93.8	X518124 - X5D0404-01	
EPA 200.7	Iron	mg/L	9.32	9.11	10.0	2.3	20	89.0	X518124 - X5D0404-01	
EPA 200.7	Lead	mg/L	0.894	0.887	1.00	0.8	20	89.4	X518124 - X5D0404-01	
EPA 200.7	Lithium	mg/L	1.04	1.02	1.00	1.4	20	99.5	X518124 - X5D0404-01	
EPA 200.7	Magnesium	mg/L	119	118	20.0	0.6	20	93.5	X518124 - X5D0404-01	
EPA 200.7	Manganese	mg/L	0.930	0.920	1.00	1.1	20	89.5	X518124 - X5D0404-01	
EPA 200.7	Molybdenum	mg/L	0.905	0.893	1.00	1.3	20	90.5	X518124 - X5D0404-01	
EPA 200.7	Nickel	mg/L	0.888	0.875	1.00	1.4	20	86.3	X518124 - X5D0404-01	
EPA 200.7	Potassium	mg/L	21.8	21.3	20.0	2.2	20	95.2	X518124 - X5D0404-01	
EPA 200.7	Silver	mg/L	0.0452	0.0434	0.0500	4.2	20	90.4	X518124 - X5D0404-01	
EPA 200.7	Sodium	mg/L	67.0	65.8	19.0	1.8	20	95.6	X518124 - X5D0404-01	
EPA 200.7	Vanadium	mg/L	0.962	0.951	1.00	1.2	20	96.0	X518124 - X5D0404-01	
EPA 200.7	Zinc	mg/L	0.950	0.944	1.00	0.6	20	95.0	X518124 - X5D0404-01	
EPA 200.8	Antimony	mg/L	0.0246	0.0241	0.0250	1.7	20	98.2	X519002 - X5D0453-01	
EPA 200.8	Arsenic	mg/L	0.0254	0.0252	0.0250	0.8	20	99.6	X519002 - X5D0453-01	
EPA 200.8	Cadmium	mg/L	0.0310	0.0314	0.0250	1.3	20	124	X519002 - X5D0453-01	
EPA 200.8	Chromium	mg/L	0.0234	0.0235	0.0250	0.6	20	93.4	X519002 - X5D0453-01	
EPA 200.8	Copper	mg/L	0.0307	0.0320	0.0250	4.1	20	120	X519002 - X5D0453-01	
EPA 200.8	Lead	mg/L	0.0237	0.0234	0.0250	1.4	20	94.8	X519002 - X5D0453-01	
EPA 200.8	Selenium	mg/L	0.0275	0.0267	0.0250	3.2	20	110	X519002 - X5D0453-01	
EPA 200.8	Silver	mg/L	0.0227	0.0224	0.0250	1.2	20	90.6	X519002 - X5D0453-01	
EPA 200.8	Thallium	mg/L	0.0233	0.0230	0.0250	1.5	20	93.4	X519002 - X5D0453-01	
EPA 200.8	Uranium	mg/L	0.0261	0.0258	0.0250	0.9	20	95.0	X519002 - X5D0453-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00203	0.00204	0.00200	0.1	20	102	X518107 - X5D0430-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0367	0.0432	0.100	16.3	11	36.7	X519005 - X5D0430-01	M2,R2B
EPA 335.4	Cyanide (total)	mg/L	0.102	0.100	0.100	2.1	20	102	X519012 - X5D0430-02	
EPA 350.1	Ammonia as N	mg/L	1.00	1.02	1.00	2.0	20	100	X518147 - X5D0430-02	
EPA 350.1	Ammonia as N	mg/L	1.27	1.23	1.00	2.7	20	109	X519039 - X5E0004-02	
EPA 351.2	TKN	mg/L	9.09	8.70	8.00	4.4	20	114	X518112 - X5D0408-04	M1
OIA 1677	Cyanide (WAD)	mg/L	0.0374	0.0472	0.100	23.2	11	37.4	X519083 - X5D0430-03	M2,R2B
SM 4500 S D	Sulfide	mg/L	0.192	0.192	0.200	0.0	20	96.0	X518203 - X5D0453-05	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0231	0.0234	0.0222	1.2	20	104	X518150 - X5D0430-08	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	15.8	16.0	3.00	1.3	20	105	X518093 - X5D0430-07	
EPA 300.0	Fluoride	mg/L	2.76	2.76	2.00	0.1	20	103	X518093 - X5D0430-07	
EPA 300.0	Nitrate as N	mg/L	2.15	2.14	2.00	0.2	20	104	X518093 - X5D0430-07	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.29	4.24	4.00	1.1	20	105	X518093 - X5D0430-07	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0430**
Reported: 12-May-25 14:18

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	Nitrite as N	mg/L	2.14	2.10	2.00	2.0	20	107	X518093 - X5D0430-07	
EPA 300.0	Sulfate as SO4	mg/L	91.8	92.6	10.0	0.8	20	0.30R>S	X518093 - X5D0430-07	M4

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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Ironclad Security 1632 County Rd 82	Work Order: **X5D0430**
Cripple Creek, CO 80813	Reported: 12-May-25 14:18

Notes and Definitions

D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
D18	Due to a published chemical interference, a sample dilution was performed.
E11	Sample exceeds method-specified limit for solids content.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
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.
U	Indicates the analyte was analyzed for but was not detected, result was less than the MDL.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-34	X5D0268-01	Ground Water	15-Apr-25 12:40	MB	16-Apr-2025	Q5
GVMW-35B	X5D0268-02	Ground Water	15-Apr-25 11:15	MB	16-Apr-2025	
GVMW-30	X5D0268-03	Ground Water	15-Apr-25 08:55	MB	16-Apr-2025	Q5
OSABH-16	X5D0268-04	Ground Water	15-Apr-25 08:23	MB	16-Apr-2025	Q5
EMP-17B	X5D0268-05	Ground Water	15-Apr-25 09:21	MB	16-Apr-2025	

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

Case Narrative: X5D0268

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
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Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-34**
SVL Sample ID: **X5D0268-01 (Ground Water)**

Sampled: 15-Apr-25 12:40
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	565	mg/L	0.500	0.345	5	X517033	MAC	04/22/25 15:43	M4
EPA 200.7	**Magnesium**	318	mg/L	0.500	0.090		X517033	MAC	04/22/25 14:11	
EPA 200.7	**Potassium**	4.90	mg/L	0.50	0.18		X517033	MAC	04/22/25 14:11	
SM 2340 B	**Hardness (as CaCO3)**	2840	mg/L	2.31	0.543		N/A		04/22/25 14:11	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	21.9	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:18	M1
EPA 200.7	**Barium**	0.0312	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Beryllium**	0.0198	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Boron**	0.0455	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:08	
EPA 200.7	**Cadmium**	0.0939	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Calcium**	572	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:18	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Cobalt**	0.0796	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Copper**	0.0162	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Iron**	0.142	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:18	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Lithium**	0.194	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Magnesium**	343	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:18	M1
EPA 200.7	**Manganese**	51.3	mg/L	0.0400	0.0170	5	X518021	MAC	04/29/25 16:27	M4
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Nickel**	0.448	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Potassium**	5.04	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:18	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Sodium**	47.6	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:18	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:18	
EPA 200.7	**Zinc**	11.6	mg/L	0.0100	0.0054		X518021	MAC	04/29/25 15:18	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:02	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:02	
EPA 200.8	**Selenium**	0.0154	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:02	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X517177	JRR	04/30/25 11:22	D17
EPA 200.8	**Uranium**	0.0341	mg/L	0.000500	0.000260	5	X517177	JRR	04/30/25 11:22	D17
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:08	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:43	
EPA 335.4	**Cyanide (total)**	0.0078	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:43	M2
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X516173	JPM	04/23/25 13:45	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 17:14	
SM 2310 B	**Acidity to pH 8.3**	-183	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	**Total Alkalinity**	190	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:10	
SM 2320 B	**Bicarbonate**	190	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:10	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:10	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:10	
SM 2540 C	**Total Diss. Solids**	4370	mg/L	40			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	132	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @17.6°C**	5.9	pH Units				X517065	MWD	04/23/25 10:10	H5

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

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Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-34**
SVL Sample ID: **X5D0268-01 (Ground Water)**

Sampled: 15-Apr-25 12:40
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	30.3	mg/L	1.00	0.11	5	X516150	RS	04/16/25 20:52	
EPA 300.0	**Fluoride**	36.5	mg/L	10.0	1.70	100	X516150	RS	04/16/25 21:08	
EPA 300.0	**Nitrate as N**	12.1	mg/L	0.250	0.065	5	X516150	RS	04/16/25 20:52	
EPA 300.0	**Nitrate+Nitrite as N**	12.1	mg/L	0.500	0.220	5	X516150	RS	04/16/25 20:52	
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X516150	RS	04/16/25 20:52	
EPA 300.0	**Sulfate as SO4**	2920	mg/L	30.0	18.0	100	X516150	RS	04/16/25 21:08	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 61.3 meq/L Anion Sum: 68.2 meq/L C/A Balance: -5.39 % Calculated TDS: 4106 TDS/cTDS: 1.06

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-35B**
SVL Sample ID: **X5D0268-02 (Ground Water)**

Sampled: 15-Apr-25 11:15
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	411	mg/L	0.100	0.069		X517033	MAC	04/22/25 14:24	
EPA 200.7	**Magnesium**	123	mg/L	0.500	0.090		X517033	MAC	04/22/25 14:24	
EPA 200.7	**Potassium**	5.18	mg/L	0.50	0.18		X517033	MAC	04/22/25 14:24	
SM 2340 B	**Hardness (as CaCO3)**	1540	mg/L	2.31	0.543		N/A		04/22/25 14:24	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Barium**	0.0178	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:23	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:23	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:20	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Calcium**	408	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:23	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:23	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:23	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:23	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:23	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:23	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Magnesium**	126	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Manganese**	0.125	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Molybdenum**	0.0104	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:23	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Potassium**	4.64	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:23	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Sodium**	16.1	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:23	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:23	
EPA 200.7	**Zinc**	0.0112	mg/L	0.0100	0.0054		X518021	MAC	04/29/25 15:23	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:05	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:05	
EPA 200.8	**Selenium**	0.00469	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:05	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X517177	JRR	04/30/25 10:05	
EPA 200.8	**Uranium**	0.00667	mg/L	0.000100	0.000052		X517177	JRR	04/30/25 10:05	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:14	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:45	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:45	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X516173	JPM	04/23/25 13:48	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 17:27	
SM 2310 B	**Acidity to pH 8.3**	-53.3	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	**Total Alkalinity**	50.9	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:15	
SM 2320 B	**Bicarbonate**	41.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:15	
SM 2320 B	**Carbonate**	9.8	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:15	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:15	
SM 2540 C	**Total Diss. Solids**	2280	mg/L	40			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	50.0	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @17.5°C**	8.7	pH Units				X517065	MWD	04/23/25 10:15	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-35B**
SVL Sample ID: **X5D0268-02 (Ground Water)**

Sampled: 15-Apr-25 11:15
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	92.2	mg/L	20.0	2.20	100	X516150	RS	04/16/25 21:39	
EPA 300.0	Fluoride	< 0.500	mg/L	0.500	0.085	5	X516150	RS	04/16/25 21:23	
EPA 300.0	**Nitrate as N**	13.7	mg/L	0.250	0.065	5	X516150	RS	04/16/25 21:23	
EPA 300.0	**Nitrate+Nitrite as N**	13.7	mg/L	0.500	0.220	5	X516150	RS	04/16/25 21:23	
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X516150	RS	04/16/25 21:23	
EPA 300.0	**Sulfate as SO4**	1350	mg/L	30.0	18.0	100	X516150	RS	04/16/25 21:39	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 31.3 meq/L Anion Sum: 32.7 meq/L C/A Balance: -2.17 % Calculated TDS: 2088 TDS/cTDS: 1.09

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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-30**
SVL Sample ID: **X5D0268-03 (Ground Water)**

Sampled: 15-Apr-25 08:55
Received: 16-Apr-25
Sampled By: MB

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**	445	mg/L	0.100	0.069		X517033	MAC	04/22/25 14:28	
EPA 200.7	**Magnesium**	296	mg/L	0.500	0.090		X517033	MAC	04/22/25 14:28	
EPA 200.7	**Potassium**	7.90	mg/L	0.50	0.18		X517033	MAC	04/22/25 14:28	
SM 2340 B	**Hardness (as CaCO3)**	2380	mg/L	2.31	0.543		N/A		04/22/25 14:28	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	247	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Barium**	0.0134	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Beryllium**	0.557	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:25	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:24	
EPA 200.7	**Cadmium**	0.198	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Calcium**	466	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Chromium**	0.128	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Cobalt**	0.263	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Copper**	0.154	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Iron**	4.09	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Lead**	0.0080	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Lithium**	0.216	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Magnesium**	307	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Manganese**	44.9	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:25	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Nickel**	1.29	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Potassium**	3.90	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:25	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Sodium**	40.9	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:25	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:25	
EPA 200.7	**Zinc**	3.48	mg/L	0.0100	0.0054		X518021	MAC	04/29/25 15:25	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:08	
EPA 200.8	**Arsenic**	0.0298	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:08	
EPA 200.8	**Selenium**	0.00454	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:08	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X517177	JRR	04/30/25 10:08	
EPA 200.8	**Uranium**	0.650	mg/L	0.000100	0.000052		X517177	JRR	04/30/25 10:08	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:16	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:48	
EPA 335.4	**Cyanide (total)**	0.0135	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:47	
EPA 350.1	Ammonia as N	< 0.150	mg/L	0.150	0.064	5	X516173	JPM	04/23/25 14:01	D11
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X516133	JPM	04/24/25 17:29	D20
SM 2310 B	**Acidity to pH 8.3**	1650	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:22	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:22	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:22	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:22	
SM 2540 C	**Total Diss. Solids**	5450	mg/L	40			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	263	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @17.7°C**	3.4	pH Units				X517065	MWD	04/23/25 10:22	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **GVMW-30**
SVL Sample ID: **X5D0268-03 (Ground Water)**

Sampled: 15-Apr-25 08:55
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	2.68	mg/L	1.00	0.11	5	X516150	RS	04/16/25 21:54	
EPA 300.0	**Fluoride**	42.5	mg/L	10.0	1.70	100	X516150	RS	04/16/25 22:10	
EPA 300.0	**Nitrate as N**	1.78	mg/L	0.250	0.065	5	X516150	RS	04/16/25 21:54	
EPA 300.0	**Nitrate+Nitrite as N**	1.81	mg/L	0.500	0.220	5	X516150	RS	04/16/25 21:54	
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X516150	RS	04/16/25 21:54	
EPA 300.0	**Sulfate as SO4**	4160	mg/L	30.0	18.0	100	X516150	RS	04/16/25 22:10	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 81.4 meq/L Anion Sum: 89.1 meq/L C/A Balance: -4.47 % Calculated TDS: 5017 TDS/cTDS: 1.09

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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **OSABH-16**
SVL Sample ID: **X5D0268-04 (Ground Water)**

Sampled: 15-Apr-25 08:23
Received: 16-Apr-25
Sampled By: MB

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**	597	mg/L	1.00	0.690	10	X517033	MAC	04/30/25 15:10	
EPA 200.7	**Magnesium**	267	mg/L	0.500	0.090		X517033	MAC	04/30/25 12:55	
EPA 200.7	**Potassium**	5.78	mg/L	0.50	0.18		X517033	MAC	04/30/25 12:55	
SM 2340 B	**Hardness (as CaCO3)**	2520	mg/L	4.56	2.09		N/A		04/30/25 12:55	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	404	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Barium**	0.0089	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Beryllium**	0.341	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:26	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:28	
EPA 200.7	**Cadmium**	2.12	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Calcium**	408	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Chromium**	0.0214	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Cobalt**	1.42	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Copper**	2.09	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Iron**	10.4	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:26	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Lithium**	0.379	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Magnesium**	249	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Manganese**	404	mg/L	0.160	0.0680	20	X518021	MAC	04/29/25 16:32	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Nickel**	1.35	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Potassium**	4.60	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:26	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Sodium**	21.0	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Vanadium**	0.0084	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:26	
EPA 200.7	**Zinc**	77.2	mg/L	0.200	0.108	20	X518021	MAC	04/29/25 16:32	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:29	
EPA 200.8	**Arsenic**	0.0520	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:29	
EPA 200.8	**Selenium**	0.00995	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:29	
EPA 200.8	Thallium	< 0.00200	mg/L	0.00200	0.000800	10	X517177	JRR	04/30/25 11:25	D17
EPA 200.8	**Uranium**	2.67	mg/L	0.00100	0.000520	10	X517177	JRR	04/30/25 11:25	D17,M4
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:18	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:50	
EPA 335.4	**Cyanide (total)**	0.0148	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:49	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X516173	JPM	04/23/25 14:04	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 17:31	
SM 2310 B	**Acidity to pH 8.3**	2540	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:28	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:28	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:28	
SM 2540 C	**Total Diss. Solids**	7320	mg/L	40			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	1070	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @17.9°C**	3.3	pH Units				X517065	MWD	04/23/25 10:28	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **OSABH-16**
SVL Sample ID: **X5D0268-04 (Ground Water)**

Sampled: 15-Apr-25 08:23
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.20	mg/L	1.00	0.11	5	X516150	RS	04/16/25 22:25	
EPA 300.0	**Fluoride**	104	mg/L	10.0	1.70	100	X516150	RS	04/16/25 22:41	
EPA 300.0	**Nitrate as N**	0.983	mg/L	0.250	0.065	5	X516150	RS	04/16/25 22:25	
EPA 300.0	**Nitrate+Nitrite as N**	1.00	mg/L	0.500	0.220	5	X516150	RS	04/16/25 22:25	
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X516150	RS	04/16/25 22:25	
EPA 300.0	**Sulfate as SO4**	5360	mg/L	75.0	45.0	250	X516150	RS	04/17/25 15:27	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 104 meq/L Anion Sum: 117 meq/L C/A Balance: -5.81 % Calculated TDS: 6258 TDS/cTDS: 1.17

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

Kristi A. Groth

Kristi A. Groth
Project Manager

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **EMP-17B**
SVL Sample ID: **X5D0268-05 (Ground Water)**

Sampled: 15-Apr-25 09:21
Received: 16-Apr-25
Sampled By: MB

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**	126	mg/L	0.100	0.069		X517033	MAC	04/22/25 14:36	
EPA 200.7	**Magnesium**	51.9	mg/L	0.500	0.090		X517033	MAC	04/22/25 14:36	
EPA 200.7	**Potassium**	2.57	mg/L	0.50	0.18		X517033	MAC	04/22/25 14:36	
SM 2340 B	**Hardness (as CaCO3)**	528	mg/L	2.31	0.543		N/A		04/29/25 15:28	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	20.7	mg/L	0.080	0.054		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Barium**	0.0377	mg/L	0.0020	0.0019		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Beryllium**	0.00341	mg/L	0.00200	0.00080		X518021	MAC	04/29/25 15:28	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518021	MAC	04/29/25 14:32	
EPA 200.7	**Cadmium**	0.126	mg/L	0.0020	0.0016		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Calcium**	129	mg/L	0.100	0.069		X518021	MAC	04/29/25 15:28	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Cobalt**	0.0862	mg/L	0.0060	0.0046		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Copper**	0.0953	mg/L	0.0100	0.0027		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Iron**	0.446	mg/L	0.100	0.056		X518021	MAC	04/29/25 15:28	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X518021	MAC	04/29/25 15:28	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Magnesium**	55.0	mg/L	0.500	0.090		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Manganese**	19.6	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:28	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Nickel**	0.0877	mg/L	0.0100	0.0048		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Potassium**	2.64	mg/L	0.50	0.18		X518021	MAC	04/29/25 15:28	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Sodium**	19.0	mg/L	0.50	0.12		X518021	MAC	04/29/25 15:28	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518021	MAC	04/29/25 15:28	
EPA 200.7	**Zinc**	7.28	mg/L	0.0100	0.0054		X518021	MAC	04/29/25 15:28	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X517177	JRR	04/30/25 10:35	
EPA 200.8	**Arsenic**	0.00258	mg/L	0.00100	0.00021		X517177	JRR	04/30/25 10:35	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X517177	JRR	04/30/25 10:35	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X517177	JRR	04/30/25 10:35	
EPA 200.8	**Uranium**	0.0516	mg/L	0.000100	0.000052		X517177	JRR	04/30/25 10:35	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X516218	SJN	04/23/25 11:25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X516054	JPM	04/24/25 13:52	
EPA 335.4	**Cyanide (total)**	0.0082	mg/L	0.0050	0.0038		X517002	JPM	04/22/25 09:51	
EPA 350.1	**Ammonia as N**	0.109	mg/L	0.030	0.013		X516173	JPM	04/23/25 14:06	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X516133	JPM	04/24/25 17:33	
SM 2310 B	**Acidity to pH 8.3**	157	mg/L as CaCO3	10.0			X518011	MWD	04/28/25 09:16	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:33	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:33	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:33	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X517065	MWD	04/23/25 10:33	
SM 2540 C	**Total Diss. Solids**	1250	mg/L	10			X516193	TJL	04/21/25 13:20	
SM 2540 D	**Total Susp. Solids**	12.0	mg/L	5.0			X516194	TJL	04/23/25 14:25	
SM 4500 H B	**pH @18.1°C**	4.7	pH Units				X517065	MWD	04/23/25 10:33	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

Client Sample ID: **EMP-17B**
SVL Sample ID: **X5D0268-05 (Ground Water)**

Sampled: 15-Apr-25 09:21
Received: 16-Apr-25
Sampled By: MB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 0.20	mg/L	0.20	0.02		X516150	RS	04/16/25 23:28	
EPA 300.0	**Fluoride**	11.3	mg/L	2.50	0.425	25	X516150	RS	04/16/25 23:43	
EPA 300.0	**Nitrate as N**	0.098	mg/L	0.050	0.013		X516150	RS	04/16/25 23:28	
EPA 300.0	**Nitrate+Nitrite as N**	0.120	mg/L	0.100	0.044		X516150	RS	04/16/25 23:28	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X516150	RS	04/16/25 23:28	
EPA 300.0	**Sulfate as SO4**	715	mg/L	7.50	4.50	25	X516150	RS	04/16/25 23:43	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 14.7 meq/L Anion Sum: 15.5 meq/L C/A Balance: -2.61 % Calculated TDS: 929 TDS/cTDS: 1.34

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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	X517033	22-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X517033	22-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X517033	22-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X518021	29-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X518021	29-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X518021	29-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X518021	29-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X518021	29-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X518021	29-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X518021	29-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X518021	29-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X518021	29-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X518021	29-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X518021	29-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X518021	29-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X518021	29-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X518021	29-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X518021	29-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X518021	29-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X518021	29-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X518021	29-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X518021	29-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X518021	29-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X518021	29-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X517177	30-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X517177	30-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X517177	30-Apr-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X517177	30-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X517177	30-Apr-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X516218	23-Apr-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X516054	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X517002	22-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X516173	23-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X518011	28-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X517065	23-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X517065	23-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X517065	23-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X517065	23-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X516193	21-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X516194	23-Apr-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X516150	16-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X516150	16-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X516150	16-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X516150	16-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X516150	16-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X516150	16-Apr-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	19.3	20.0	96	85 - 115	X517033	22-Apr-25	
EPA 200.7	Magnesium	mg/L	19.6	20.0	97.8	85 - 115	X517033	22-Apr-25	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.0	85 - 115	X517033	22-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.00	1.00	100	85 - 115	X518021	29-Apr-25	
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X518021	29-Apr-25	
EPA 200.7	Beryllium	mg/L	1.02	1.00	102	85 - 115	X518021	29-Apr-25	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Cadmium	mg/L	1.06	1.00	106	85 - 115	X518021	29-Apr-25	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.5	85 - 115	X518021	29-Apr-25	
EPA 200.7	Chromium	mg/L	1.02	1.00	102	85 - 115	X518021	29-Apr-25	
EPA 200.7	Cobalt	mg/L	0.991	1.00	99.1	85 - 115	X518021	29-Apr-25	
EPA 200.7	Copper	mg/L	0.981	1.00	98.1	85 - 115	X518021	29-Apr-25	
EPA 200.7	Iron	mg/L	10.5	10.0	105	85 - 115	X518021	29-Apr-25	
EPA 200.7	Lead	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Lithium	mg/L	0.941	1.00	94.1	85 - 115	X518021	29-Apr-25	
EPA 200.7	Magnesium	mg/L	20.3	20.0	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Manganese	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Molybdenum	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Nickel	mg/L	0.999	1.00	99.9	85 - 115	X518021	29-Apr-25	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.7	85 - 115	X518021	29-Apr-25	
EPA 200.7	Silver	mg/L	0.0496	0.0500	99.2	85 - 115	X518021	29-Apr-25	
EPA 200.7	Sodium	mg/L	19.3	19.0	101	85 - 115	X518021	29-Apr-25	
EPA 200.7	Vanadium	mg/L	1.03	1.00	103	85 - 115	X518021	29-Apr-25	
EPA 200.7	Zinc	mg/L	1.01	1.00	101	85 - 115	X518021	29-Apr-25	
EPA 200.8	Antimony	mg/L	0.0261	0.0250	105	85 - 115	X517177	30-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0253	0.0250	101	85 - 115	X517177	30-Apr-25	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.8	85 - 115	X517177	30-Apr-25	
EPA 200.8	Thallium	mg/L	0.0266	0.0250	106	85 - 115	X517177	30-Apr-25	
EPA 200.8	Uranium	mg/L	0.0268	0.0250	107	85 - 115	X517177	30-Apr-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00192	0.00200	96.0	85 - 115	X516218	23-Apr-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.100	0.100	100	90 - 110	X516054	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0985	0.100	98.5	90 - 110	X517002	22-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.987	1.00	98.7	90 - 110	X516173	23-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X516133	24-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1210	1180	102	95.4 - 104	X518011	28-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.1	9.93	102	94 - 106	X517065	23-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	99.7	99.3	100	94 - 106	X517065	23-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X516194	23-Apr-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.11	3.00	104	90 - 110	X516150	16-Apr-25	
EPA 300.0	Fluoride	mg/L	2.07	2.00	103	90 - 110	X516150	16-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X516150	16-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.69	4.50	104	90 - 110	X516150	16-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.63	2.50	105	90 - 110	X516150	16-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X516150	16-Apr-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	X518011 - X5D0268-01	28-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	56.4	50.9	10.3	20	X517065 - X5D0268-02	23-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	40.6	41.0	1.0	20	X517065 - X5D0268-02	23-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X517065 - X5D0268-02	23-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	161	169	4.9	10	X516193 - X5D0298-02	21-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	312	315	1.0	10	X516193 - X5D0298-04	21-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	7.0	7.0	0.0	10	X516194 - X5D0273-02	23-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X516194 - X5D0282-02	23-Apr-25	
SM 4500 H B	pH @16.3°C	pH Units	8.8	8.7	0.7	20	X517065 - X5D0268-02	23-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	576	565	20.0	0.30R>S	70 - 130	X517033 - X5D0268-01	22-Apr-25	M4
EPA 200.7	Magnesium	mg/L	336	318	20.0	88.0	70 - 130	X517033 - X5D0268-01	22-Apr-25	
EPA 200.7	Potassium	mg/L	26.5	4.90	20.0	108	70 - 130	X517033 - X5D0268-01	22-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	23.3	21.9	1.00	0.30R>S	70 - 130	X518021 - X5D0268-01	29-Apr-25	M1
EPA 200.7	Barium	mg/L	1.03	0.0312	1.00	100	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Beryllium	mg/L	1.01	0.0198	1.00	98.8	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Boron	mg/L	1.03	0.0455	1.00	98.7	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Boron	mg/L	0.911	<0.800	1.00	91.1	70 - 130	X518021 - X5D0397-14	29-Apr-25	D11
EPA 200.7	Cadmium	mg/L	1.06	0.0939	1.00	97.0	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Calcium	mg/L	595	572	20.0	117	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Chromium	mg/L	0.977	<0.0060	1.00	97.7	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Cobalt	mg/L	1.03	0.0796	1.00	95.4	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Copper	mg/L	1.05	0.0162	1.00	104	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Iron	mg/L	10.2	0.142	10.0	100	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Lead	mg/L	0.969	<0.0075	1.00	96.9	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Lithium	mg/L	1.36	0.194	1.00	116	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Magnesium	mg/L	376	343	20.0	0.30R>S	70 - 130	X518021 - X5D0268-01	29-Apr-25	M1
EPA 200.7	Manganese	mg/L	51.3	51.3	1.00	0.30R>S	70 - 130	X518021 - X5D0268-01	29-Apr-25	M4
EPA 200.7	Molybdenum	mg/L	0.989	<0.0080	1.00	98.9	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Nickel	mg/L	1.42	0.448	1.00	96.9	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Potassium	mg/L	24.9	5.04	20.0	99.3	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Silver	mg/L	0.0483	<0.0050	0.0500	96.5	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Sodium	mg/L	67.3	47.6	19.0	104	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Vanadium	mg/L	1.02	<0.0050	1.00	102	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.7	Zinc	mg/L	12.6	11.6	1.00	94.5	70 - 130	X518021 - X5D0268-01	29-Apr-25	
EPA 200.8	Antimony	mg/L	0.0278	<0.00100	0.0250	111	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Antimony	mg/L	0.0270	<0.00100	0.0250	108	70 - 130	X517177 - X5D0268-04	30-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0302	<0.00100	0.0250	121	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0822	0.0520	0.0250	121	70 - 130	X517177 - X5D0268-04	30-Apr-25	
EPA 200.8	Selenium	mg/L	0.0326	0.00203	0.0250	122	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Selenium	mg/L	0.0395	0.00995	0.0250	118	70 - 130	X517177 - X5D0268-04	30-Apr-25	
EPA 200.8	Thallium	mg/L	0.0277	<0.000200	0.0250	111	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Thallium	mg/L	0.0266	<0.00200	0.0250	106	70 - 130	X517177 - X5D0268-04	30-Apr-25	D17

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Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	Uranium	mg/L	0.0344	0.00482	0.0250	118	70 - 130	X517177 - X5D0252-01	30-Apr-25	
EPA 200.8	Uranium	mg/L	2.82	2.67	0.0250	0.30R>S	70 - 130	X517177 - X5D0268-04	30-Apr-25	D17,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00207	<0.000200	0.00200	103	70 - 130	X516218 - X5D0268-01	23-Apr-25	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X516218 - X5D0306-01	23-Apr-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.102	<0.0050	0.100	102	79 - 121	X516054 - X5D0124-01	24-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.0985	0.0078	0.100	90.7	90 - 110	X517002 - X5D0268-01	22-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X516173 - X5D0268-02	23-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X516173 - X5D0268-01	23-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.104	<0.0050	0.100	104	82 - 118	X516133 - X5D0124-01	24-Apr-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	17.4	14.0	3.00	0.30R>S	90 - 110	X516150 - X5D0254-21	16-Apr-25	M4
EPA 300.0	Chloride	mg/L	3.56	0.41	3.00	105	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Fluoride	mg/L	2.23	0.272	2.00	98.0	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Fluoride	mg/L	2.05	<0.100	2.00	101	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.08	0.059	2.00	101	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	101	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.16	<0.100	4.00	102	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.12	<0.100	4.00	103	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X516150 - X5D0298-01	17-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	20.5	10.2	10.0	104	90 - 110	X516150 - X5D0254-21	16-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.8	0.39	10.0	104	90 - 110	X516150 - X5D0298-01	17-Apr-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	576	576	20.0	0.1	20	0.30R>S	X517033 - X5D0268-01	M4
EPA 200.7	Magnesium	mg/L	333	336	20.0	0.9	20	72.7	X517033 - X5D0268-01	
EPA 200.7	Potassium	mg/L	26.3	26.5	20.0	0.7	20	107	X517033 - X5D0268-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	23.2	23.3	1.00	0.4	20	0.30R>S	X518021 - X5D0268-01	M1
EPA 200.7	Barium	mg/L	1.02	1.03	1.00	1.1	20	99.0	X518021 - X5D0268-01	
EPA 200.7	Beryllium	mg/L	1.05	1.01	1.00	3.7	20	103	X518021 - X5D0268-01	
EPA 200.7	Boron	mg/L	1.03	1.03	1.00	0.1	20	98.8	X518021 - X5D0268-01	
EPA 200.7	Cadmium	mg/L	1.09	1.06	1.00	2.2	20	99.4	X518021 - X5D0268-01	
EPA 200.7	Calcium	mg/L	595	595	20.0	0.0	20	116	X518021 - X5D0268-01	
EPA 200.7	Chromium	mg/L	0.989	0.977	1.00	1.2	20	98.9	X518021 - X5D0268-01	
EPA 200.7	Cobalt	mg/L	1.06	1.03	1.00	2.2	20	97.6	X518021 - X5D0268-01	
EPA 200.7	Copper	mg/L	1.06	1.05	1.00	1.0	20	105	X518021 - X5D0268-01	
EPA 200.7	Iron	mg/L	10.3	10.2	10.0	0.9	20	101	X518021 - X5D0268-01	
EPA 200.7	Lead	mg/L	0.994	0.969	1.00	2.6	20	99.4	X518021 - X5D0268-01	
EPA 200.7	Lithium	mg/L	1.36	1.36	1.00	0.5	20	117	X518021 - X5D0268-01	
EPA 200.7	Magnesium	mg/L	367	376	20.0	2.4	20	122	X518021 - X5D0268-01	
EPA 200.7	Manganese	mg/L	51.6	51.3	1.00	0.6	20	0.30R>S	X518021 - X5D0268-01	M4

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

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Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0268**
Reported: 30-Apr-25 15:35

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	Molybdenum	mg/L	1.01	0.989	1.00	2.2	20	101	X518021 - X5D0268-01	
EPA 200.7	Nickel	mg/L	1.44	1.42	1.00	1.8	20	99.5	X518021 - X5D0268-01	
EPA 200.7	Potassium	mg/L	24.9	24.9	20.0	0.0	20	99.2	X518021 - X5D0268-01	
EPA 200.7	Silver	mg/L	0.0494	0.0483	0.0500	2.4	20	98.9	X518021 - X5D0268-01	
EPA 200.7	Sodium	mg/L	67.4	67.3	19.0	0.1	20	104	X518021 - X5D0268-01	
EPA 200.7	Vanadium	mg/L	1.03	1.02	1.00	1.0	20	103	X518021 - X5D0268-01	
EPA 200.7	Zinc	mg/L	12.6	12.6	1.00	0.1	20	96.0	X518021 - X5D0268-01	
EPA 200.8	Antimony	mg/L	0.0268	0.0278	0.0250	3.5	20	107	X517177 - X5D0252-01	
EPA 200.8	Arsenic	mg/L	0.0295	0.0302	0.0250	2.6	20	118	X517177 - X5D0252-01	
EPA 200.8	Selenium	mg/L	0.0328	0.0326	0.0250	0.7	20	123	X517177 - X5D0252-01	
EPA 200.8	Thallium	mg/L	0.0278	0.0277	0.0250	0.3	20	111	X517177 - X5D0252-01	
EPA 200.8	Uranium	mg/L	0.0344	0.0344	0.0250	0.0	20	118	X517177 - X5D0252-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00206	0.00207	0.00200	0.3	20	103	X516218 - X5D0268-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0988	0.102	0.100	2.8	11	98.8	X516054 - X5D0124-01	
EPA 335.4	Cyanide (total)	mg/L	0.0962	0.0985	0.100	2.4	20	88.4	X517002 - X5D0268-01	M2
EPA 350.1	Ammonia as N	mg/L	1.08	1.07	1.00	1.4	20	108	X516173 - X5D0268-02	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.104	0.100	0.7	11	104	X516133 - X5D0124-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	16.6	17.4	3.00	4.6	20	0.30R>S	X516150 - X5D0254-21	M4
EPA 300.0	Fluoride	mg/L	2.27	2.23	2.00	1.8	20	100	X516150 - X5D0254-21	
EPA 300.0	Nitrate as N	mg/L	2.13	2.08	2.00	2.5	20	104	X516150 - X5D0254-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.25	4.16	4.00	2.3	20	105	X516150 - X5D0254-21	
EPA 300.0	Nitrite as N	mg/L	2.12	2.08	2.00	2.0	20	106	X516150 - X5D0254-21	
EPA 300.0	Sulfate as SO4	mg/L	20.7	20.5	10.0	0.8	20	105	X516150 - X5D0254-21	

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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Ironclad Security 1632 County Rd 82	Work Order: **X5D0268**
Cripple Creek, CO 80813	Reported: 30-Apr-25 15:35

Notes and Definitions

D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
D20	Sample diluted with 0.25 M NaOH since pH was > 12; per method.
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.
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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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Ironclad Security 1632 County Rd 82	Work Order: **X5D0433**
Cripple Creek, CO 80813	Reported: 12-May-25 14:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-128E	X5D0433-01	Ground Water	28-Apr-25 12:08	TR	29-Apr-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.

Case Narrative: X5D0433

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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Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0433**
Reported: 12-May-25 14:47

Client Sample ID: **GVMW-128E**
SVL Sample ID: **X5D0433-01 (Ground Water)**

Sampled: 28-Apr-25 12:08
Received: 29-Apr-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**	403	mg/L	0.100	0.069		X518169	MAC	05/07/25 10:40	
EPA 200.7	**Magnesium**	436	mg/L	0.500	0.090		X518169	MAC	05/07/25 10:40	
EPA 200.7	**Potassium**	0.65	mg/L	0.50	0.18		X518169	MAC	05/07/25 10:40	
SM 2340 B	**Hardness (as CaCO3)**	2800	mg/L	2.31	0.543		N/A		05/07/25 08:38	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	1050	mg/L	0.400	0.270	5	X518124	MAC	05/06/25 15:20	M4
EPA 200.7	**Barium**	0.0088	mg/L	0.0020	0.0019		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Beryllium**	0.682	mg/L	0.00200	0.00080		X518124	MAC	05/06/25 14:40	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Cadmium**	2.05	mg/L	0.0020	0.0016		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Calcium**	381	mg/L	0.100	0.069		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Chromium**	0.149	mg/L	0.0060	0.0020		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Cobalt**	1.91	mg/L	0.0060	0.0046		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Copper**	5.13	mg/L	0.0100	0.0027		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Iron**	55.0	mg/L	0.100	0.056		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Lead**	0.0347	mg/L	0.0075	0.0049		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Lithium**	0.492	mg/L	0.040	0.025		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Magnesium**	394	mg/L	2.50	0.450	5	X518124	NMS	05/07/25 08:38	D18
EPA 200.7	**Manganese**	298	mg/L	0.0400	0.0170	5	X518124	MAC	05/06/25 15:20	M4
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Nickel**	3.04	mg/L	0.0100	0.0048		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Potassium**	0.62	mg/L	0.50	0.18		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Silver**	0.0125	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Sodium**	32.2	mg/L	0.50	0.12		X518124	MAC	05/06/25 14:40	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X518124	MAC	05/06/25 14:40	
EPA 200.7	**Zinc**	89.6	mg/L	0.0500	0.0270	5	X518124	MAC	05/06/25 15:20	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519002	SMU	05/07/25 18:01	
EPA 200.8	**Arsenic**	0.151	mg/L	0.00100	0.00021		X519002	SMU	05/07/25 18:01	
EPA 200.8	**Selenium**	0.0203	mg/L	0.00100	0.00024		X519002	SMU	05/07/25 18:01	
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X519002	SMU	05/07/25 18:58	D17
EPA 200.8	**Uranium**	3.09	mg/L	0.0100	0.00520	100	X519002	SMU	05/07/25 18:58	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X518107	SJN	05/02/25 11:00	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X519005	JPM	05/06/25 08:41	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 14:49	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X518147	JPM	05/02/25 10:55	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519084	JPM	05/08/25 15:29	
SM 2310 B	**Acidity to pH 8.3**	7000	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:18	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:18	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:18	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X518164	MWD	05/01/25 15:18	
SM 2540 C	**Total Diss. Solids**	23800	mg/L	100			X518116	TJL	05/01/25 12:55	E11
SM 2540 D	**Total Susp. Solids**	59.0	mg/L	5.0			X518117	TJL	05/03/25 09:05	
SM 4500 H B	**pH @21.0°C**	3.0	pH Units				X518164	MWD	05/01/25 15:18	H5

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

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0433**
Reported: 12-May-25 14:47

Client Sample ID: **GVMW-128E**
SVL Sample ID: **X5D0433-01 (Ground Water)**

Sampled: 28-Apr-25 12:08
Received: 29-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.27	mg/L	2.00	0.22	10	X518093	RS	04/29/25 21:37	D18
EPA 300.0	**Fluoride**	182	mg/L	25.0	4.25	250	X518093	RS	04/29/25 21:53	
EPA 300.0	**Nitrate as N**	6.44	mg/L	0.500	0.130	10	X518093	RS	04/29/25 21:37	D18
EPA 300.0	**Nitrate+Nitrite as N**	8.59	mg/L	1.00	0.440	10	X518093	RS	04/29/25 21:37	
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X518093	RS	04/29/25 21:37	D18
EPA 300.0	**Sulfate as SO4**	10200	mg/L	75.0	45.0	250	X518093	RS	04/29/25 21:53	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 193 meq/L Anion Sum: 223 meq/L C/A Balance: -7.19 % Calculated TDS: 11265 TDS/cTDS: 2.11

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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0433**
Reported: 12-May-25 14:47

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	X518169	07-May-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X518169	07-May-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X518169	07-May-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X518124	06-May-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X518124	06-May-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X518124	06-May-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X518124	06-May-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X518124	06-May-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X518124	06-May-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X518124	06-May-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X518124	06-May-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X518124	06-May-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X518124	06-May-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X518124	06-May-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X518124	06-May-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X518124	06-May-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X518124	06-May-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X518124	06-May-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X518124	06-May-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X518124	06-May-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X518124	06-May-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X518124	06-May-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X518124	06-May-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X518124	06-May-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X519002	07-May-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X519002	07-May-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X519002	07-May-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X519002	07-May-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X519002	07-May-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X518107	02-May-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X519005	06-May-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X519012	06-May-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X518147	02-May-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X519084	08-May-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X519114	08-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X518164	01-May-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X518164	01-May-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X518164	01-May-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X518164	01-May-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X518116	01-May-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X518117	03-May-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X518093	29-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X518093	29-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X518093	29-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X518093	29-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X518093	29-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X518093	29-Apr-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0433**
Reported: 12-May-25 14:47

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	18.7	20.0	94	85 - 115	X518169	07-May-25	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.4	85 - 115	X518169	07-May-25	
EPA 200.7	Potassium	mg/L	18.8	20.0	93.8	85 - 115	X518169	07-May-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.928	1.00	92.8	85 - 115	X518124	06-May-25	
EPA 200.7	Barium	mg/L	0.957	1.00	95.7	85 - 115	X518124	06-May-25	
EPA 200.7	Beryllium	mg/L	0.957	1.00	95.7	85 - 115	X518124	06-May-25	
EPA 200.7	Boron	mg/L	0.981	1.00	98.1	85 - 115	X518124	06-May-25	
EPA 200.7	Cadmium	mg/L	0.959	1.00	95.9	85 - 115	X518124	06-May-25	
EPA 200.7	Calcium	mg/L	18.1	20.0	90.7	85 - 115	X518124	06-May-25	
EPA 200.7	Chromium	mg/L	0.952	1.00	95.2	85 - 115	X518124	06-May-25	
EPA 200.7	Cobalt	mg/L	0.936	1.00	93.6	85 - 115	X518124	06-May-25	
EPA 200.7	Copper	mg/L	0.951	1.00	95.1	85 - 115	X518124	06-May-25	
EPA 200.7	Iron	mg/L	9.10	10.0	91.0	85 - 115	X518124	06-May-25	
EPA 200.7	Lead	mg/L	0.956	1.00	95.6	85 - 115	X518124	06-May-25	
EPA 200.7	Lithium	mg/L	0.926	1.00	92.6	85 - 115	X518124	06-May-25	
EPA 200.7	Magnesium	mg/L	17.8	20.0	88.8	85 - 115	X518124	06-May-25	
EPA 200.7	Manganese	mg/L	0.943	1.00	94.3	85 - 115	X518124	06-May-25	
EPA 200.7	Molybdenum	mg/L	0.945	1.00	94.5	85 - 115	X518124	06-May-25	
EPA 200.7	Nickel	mg/L	0.928	1.00	92.8	85 - 115	X518124	06-May-25	
EPA 200.7	Potassium	mg/L	19.1	20.0	95.7	85 - 115	X518124	06-May-25	
EPA 200.7	Silver	mg/L	0.0485	0.0500	97.0	85 - 115	X518124	06-May-25	
EPA 200.7	Sodium	mg/L	17.8	19.0	93.9	85 - 115	X518124	06-May-25	
EPA 200.7	Vanadium	mg/L	0.984	1.00	98.4	85 - 115	X518124	06-May-25	
EPA 200.7	Zinc	mg/L	0.976	1.00	97.6	85 - 115	X518124	06-May-25	
EPA 200.8	Antimony	mg/L	0.0235	0.0250	93.9	85 - 115	X519002	07-May-25	
EPA 200.8	Arsenic	mg/L	0.0246	0.0250	98.4	85 - 115	X519002	07-May-25	
EPA 200.8	Selenium	mg/L	0.0267	0.0250	107	85 - 115	X519002	07-May-25	
EPA 200.8	Thallium	mg/L	0.0221	0.0250	88.5	85 - 115	X519002	07-May-25	
EPA 200.8	Uranium	mg/L	0.0225	0.0250	90.0	85 - 115	X519002	07-May-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00206	0.00200	103	85 - 115	X518107	02-May-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.109	0.100	109	90 - 110	X519005	06-May-25	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.100	100	90 - 110	X519012	06-May-25	
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X518147	02-May-25	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.100	104	90 - 110	X519084	08-May-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1170	1180	99.4	95.4 - 104	X519114	08-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	94 - 106	X518164	01-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	94 - 106	X518164	01-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	413	397	104	94 - 106	X518164	01-May-25	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X518117	03-May-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.16	3.00	105	90 - 110	X518093	29-Apr-25	
EPA 300.0	Fluoride	mg/L	2.03	2.00	102	90 - 110	X518093	29-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X518093	29-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.73	4.50	105	90 - 110	X518093	29-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.67	2.50	107	90 - 110	X518093	29-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X518093	29-Apr-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0433**
Reported: 12-May-25 14:47

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	7020	7020	0.0	20	X519114 - X5D0430-01	08-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X518164 - X5D0430-02	01-May-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X518164 - X5D0430-02	01-May-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X518164 - X5D0430-02	01-May-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X518164 - X5D0430-02	01-May-25	
SM 2540 C	Total Diss. Solids	mg/L	247	238	3.7	10	X518116 - X5D0430-08	01-May-25	
SM 2540 C	Total Diss. Solids	mg/L	368	374	1.6	10	X518116 - X5D0409-02	01-May-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X518117 - X5D0409-02	03-May-25	
SM 2540 D	Total Susp. Solids	mg/L	48.0	47.0	2.1	10	X518117 - X5D0430-08	03-May-25	
SM 4500 H B	pH @20.3°C	pH Units	4.2	4.2	0.2	20	X518164 - X5D0430-02	01-May-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	59.2	40.4	20.0	94	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Calcium	mg/L	412	404	20.0	0.30R>S	70 - 130	X518169 - X5D0430-01	07-May-25	D18,M4
EPA 200.7	Magnesium	mg/L	29.3	9.61	20.0	98.3	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Magnesium	mg/L	401	392	20.0	0.30R>S	70 - 130	X518169 - X5D0430-01	07-May-25	D18,M4
EPA 200.7	Potassium	mg/L	20.6	1.49	20.0	95.4	70 - 130	X518169 - X5D0430-07	07-May-25	
EPA 200.7	Potassium	mg/L	20.0	<2.50	20.0	100	70 - 130	X518169 - X5D0430-01	07-May-25	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.890	<0.080	1.00	89.0	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Aluminum	mg/L	1040	1050	1.00	0.30R>S	70 - 130	X518124 - X5D0433-01	06-May-25	M4
EPA 200.7	Barium	mg/L	0.936	0.0112	1.00	92.4	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Barium	mg/L	0.902	0.0088	1.00	89.3	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Beryllium	mg/L	0.878	<0.00200	1.00	87.8	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Beryllium	mg/L	1.65	0.682	1.00	97.1	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Boron	mg/L	1.00	0.0582	1.00	94.5	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Boron	mg/L	1.01	<0.0400	1.00	98.9	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Cadmium	mg/L	0.876	<0.0020	1.00	87.6	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Cadmium	mg/L	2.93	2.05	1.00	88.6	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Calcium	mg/L	283	265	20.0	90.6	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Calcium	mg/L	399	381	20.0	88.0	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Chromium	mg/L	0.897	<0.0060	1.00	89.5	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Chromium	mg/L	1.06	0.149	1.00	90.7	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Cobalt	mg/L	0.859	<0.0060	1.00	85.9	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Cobalt	mg/L	2.79	1.91	1.00	88.2	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Copper	mg/L	0.926	<0.0100	1.00	92.6	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Copper	mg/L	6.15	5.13	1.00	102	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Iron	mg/L	9.11	0.423	10.0	86.9	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Iron	mg/L	63.9	55.0	10.0	88.4	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Lead	mg/L	0.887	<0.0075	1.00	88.7	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Lead	mg/L	0.944	0.0347	1.00	90.9	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Lithium	mg/L	1.02	0.041	1.00	98.1	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Lithium	mg/L	1.71	0.492	1.00	122	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Magnesium	mg/L	118	99.8	20.0	90.1	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Magnesium	mg/L	411	394	20.0	84.8	70 - 130	X518124 - X5D0433-01	07-May-25	D18

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0433**
Reported: 12-May-25 14:47

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.920	0.0350	1.00	88.5	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Manganese	mg/L	297	298	1.00	0.30R>S	70 - 130	X518124 - X5D0433-01	06-May-25	M4
EPA 200.7	Molybdenum	mg/L	0.893	<0.0080	1.00	89.3	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Molybdenum	mg/L	0.915	<0.0080	1.00	91.5	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Nickel	mg/L	0.875	0.0241	1.00	85.1	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Nickel	mg/L	3.90	3.04	1.00	85.9	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Potassium	mg/L	21.3	2.72	20.0	92.8	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Potassium	mg/L	20.3	0.62	20.0	98.2	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Silver	mg/L	0.0434	<0.0050	0.0500	86.7	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Silver	mg/L	0.0628	0.0125	0.0500	101	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Sodium	mg/L	65.8	48.8	19.0	89.3	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Sodium	mg/L	50.7	32.2	19.0	97.3	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Vanadium	mg/L	0.951	<0.0050	1.00	94.9	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Vanadium	mg/L	0.989	<0.0050	1.00	98.9	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.7	Zinc	mg/L	0.944	<0.0100	1.00	94.4	70 - 130	X518124 - X5D0404-01	06-May-25	
EPA 200.7	Zinc	mg/L	90.5	89.6	1.00	86.8	70 - 130	X518124 - X5D0433-01	06-May-25	
EPA 200.8	Antimony	mg/L	0.0241	<0.00100	0.0250	96.6	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Antimony	mg/L	0.0250	<0.00100	0.0250	100	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Arsenic	mg/L	0.0252	<0.00100	0.0250	98.8	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Arsenic	mg/L	0.0391	0.0120	0.0250	108	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Selenium	mg/L	0.0267	<0.00100	0.0250	107	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Selenium	mg/L	0.0279	0.00105	0.0250	107	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Thallium	mg/L	0.0230	<0.000200	0.0250	92.0	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.7	70 - 130	X519002 - X5D0475-01	07-May-25	
EPA 200.8	Uranium	mg/L	0.0258	0.00230	0.0250	94.1	70 - 130	X519002 - X5D0453-01	07-May-25	
EPA 200.8	Uranium	mg/L	0.0281	0.00320	0.0250	99.5	70 - 130	X519002 - X5D0475-01	07-May-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X518107 - X5D0430-01	02-May-25	
EPA 245.1	Mercury	mg/L	0.00210	<0.000200	0.00200	105	70 - 130	X518107 - X5D0475-01	02-May-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0432	<0.0050	0.100	43.2	79 - 121	X519005 - X5D0430-01	06-May-25	M2,R2B
EPA 335.4	Cyanide (total)	mg/L	0.100	<0.0050	0.100	100	90 - 110	X519012 - X5D0430-02	06-May-25	
EPA 335.4	Cyanide (total)	mg/L	0.0589	<0.0050	0.100	58.9	90 - 110	X519012 - X5D0430-01	06-May-25	M2
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X518147 - X5D0430-02	02-May-25	
EPA 350.1	Ammonia as N	mg/L	1.08	<0.030	1.00	107	90 - 110	X518147 - X5D0430-01	02-May-25	
OIA 1677	Cyanide (WAD)	mg/L	0.107	<0.0050	0.100	105	82 - 118	X519084 - X5D0469-01	08-May-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	16.0	12.7	3.00	0.30R>S	90 - 110	X518093 - X5D0430-07	29-Apr-25	M4
EPA 300.0	Chloride	mg/L	8.26	5.03	3.00	108	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Fluoride	mg/L	2.76	0.706	2.00	102	90 - 110	X518093 - X5D0430-07	29-Apr-25	
EPA 300.0	Fluoride	mg/L	2.26	0.215	2.00	102	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.14	0.065	2.00	104	90 - 110	X518093 - X5D0430-07	29-Apr-25	
EPA 300.0	Nitrate as N	mg/L	14.8	12.9	2.00	90.8	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.24	<0.100	4.00	104	90 - 110	X518093 - X5D0430-07	29-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	17.2	13.3	4.00	98.8	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.10	<0.050	2.00	105	90 - 110	X518093 - X5D0430-07	29-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.48	0.340	2.00	107	90 - 110	X518093 - X5D0438-03	30-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	92.6	84.3	10.0	0.30R>S	90 - 110	X518093 - X5D0430-07	29-Apr-25	M4

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0433**
Reported: 12-May-25 14:47

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	57.6	47.8	10.0	98.9	90 - 110	X518093 - X5D0438-03	30-Apr-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	412	412	20.0	0.0	20	0.30R>S	X518169 - X5D0430-01	D18,M4
EPA 200.7	Magnesium	mg/L	404	401	20.0	0.9	20	0.30R>S	X518169 - X5D0430-01	D18,M4
EPA 200.7	Potassium	mg/L	19.8	20.0	20.0	1.0	20	99.2	X518169 - X5D0430-01	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.904	0.890	1.00	1.5	20	90.4	X518124 - X5D0404-01	
EPA 200.7	Barium	mg/L	0.957	0.936	1.00	2.2	20	94.5	X518124 - X5D0404-01	
EPA 200.7	Beryllium	mg/L	0.894	0.878	1.00	1.8	20	89.4	X518124 - X5D0404-01	
EPA 200.7	Boron	mg/L	1.02	1.00	1.00	1.5	20	96.1	X518124 - X5D0404-01	
EPA 200.7	Cadmium	mg/L	0.883	0.876	1.00	0.9	20	88.3	X518124 - X5D0404-01	
EPA 200.7	Calcium	mg/L	287	283	20.0	1.4	20	111	X518124 - X5D0404-01	
EPA 200.7	Chromium	mg/L	0.907	0.897	1.00	1.1	20	90.4	X518124 - X5D0404-01	
EPA 200.7	Cobalt	mg/L	0.868	0.859	1.00	1.1	20	86.8	X518124 - X5D0404-01	
EPA 200.7	Copper	mg/L	0.938	0.926	1.00	1.2	20	93.8	X518124 - X5D0404-01	
EPA 200.7	Iron	mg/L	9.32	9.11	10.0	2.3	20	89.0	X518124 - X5D0404-01	
EPA 200.7	Lead	mg/L	0.894	0.887	1.00	0.8	20	89.4	X518124 - X5D0404-01	
EPA 200.7	Lithium	mg/L	1.04	1.02	1.00	1.4	20	99.5	X518124 - X5D0404-01	
EPA 200.7	Magnesium	mg/L	119	118	20.0	0.6	20	93.5	X518124 - X5D0404-01	
EPA 200.7	Manganese	mg/L	0.930	0.920	1.00	1.1	20	89.5	X518124 - X5D0404-01	
EPA 200.7	Molybdenum	mg/L	0.905	0.893	1.00	1.3	20	90.5	X518124 - X5D0404-01	
EPA 200.7	Nickel	mg/L	0.888	0.875	1.00	1.4	20	86.3	X518124 - X5D0404-01	
EPA 200.7	Potassium	mg/L	21.8	21.3	20.0	2.2	20	95.2	X518124 - X5D0404-01	
EPA 200.7	Silver	mg/L	0.0452	0.0434	0.0500	4.2	20	90.4	X518124 - X5D0404-01	
EPA 200.7	Sodium	mg/L	67.0	65.8	19.0	1.8	20	95.6	X518124 - X5D0404-01	
EPA 200.7	Vanadium	mg/L	0.962	0.951	1.00	1.2	20	96.0	X518124 - X5D0404-01	
EPA 200.7	Zinc	mg/L	0.950	0.944	1.00	0.6	20	95.0	X518124 - X5D0404-01	
EPA 200.8	Antimony	mg/L	0.0246	0.0241	0.0250	1.7	20	98.2	X519002 - X5D0453-01	
EPA 200.8	Arsenic	mg/L	0.0254	0.0252	0.0250	0.8	20	99.6	X519002 - X5D0453-01	
EPA 200.8	Selenium	mg/L	0.0275	0.0267	0.0250	3.2	20	110	X519002 - X5D0453-01	
EPA 200.8	Thallium	mg/L	0.0233	0.0230	0.0250	1.5	20	93.4	X519002 - X5D0453-01	
EPA 200.8	Uranium	mg/L	0.0261	0.0258	0.0250	0.9	20	95.0	X519002 - X5D0453-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00203	0.00204	0.00200	0.1	20	102	X518107 - X5D0430-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0367	0.0432	0.100	16.3	11	36.7	X519005 - X5D0430-01	M2,R2B
EPA 335.4	Cyanide (total)	mg/L	0.102	0.100	0.100	2.1	20	102	X519012 - X5D0430-02	
EPA 350.1	Ammonia as N	mg/L	1.00	1.02	1.00	2.0	20	100	X518147 - X5D0430-02	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.107	0.100	1.3	11	104	X519084 - X5D0469-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	15.8	16.0	3.00	1.3	20	105	X518093 - X5D0430-07	
EPA 300.0	Fluoride	mg/L	2.76	2.76	2.00	0.1	20	103	X518093 - X5D0430-07	
EPA 300.0	Nitrate as N	mg/L	2.15	2.14	2.00	0.2	20	104	X518093 - X5D0430-07	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.29	4.24	4.00	1.1	20	105	X518093 - X5D0430-07	
EPA 300.0	Nitrite as N	mg/L	2.14	2.10	2.00	2.0	20	107	X518093 - X5D0430-07	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0433**
Reported: 12-May-25 14:47

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	91.8	92.6	10.0	0.8	20	0.30R>S	X518093 - X5D0430-07	M4

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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Ironclad Security 1632 County Rd 82	Work Order: **X5D0433**
Cripple Creek, CO 80813	Reported: 12-May-25 14:47

Notes and Definitions

D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
D18	Due to a published chemical interference, a sample dilution was performed.
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.
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**
Ironclad Security 1632 County Rd 82	Work Order: **X5E0004**
Cripple Creek, CO 80813	Reported: 15-May-25 08:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-36	X5E0004-01	Ground Water	30-Apr-25 08:52	JC	01-May-2025	Q5
GVMW-33	X5E0004-02	Ground Water	30-Apr-25 10:30	JC	01-May-2025	Q5

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

Case Narrative: X5E0004

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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5E0004**
Reported: 15-May-25 08:19

Client Sample ID: **GVMW-36**
SVL Sample ID: **X5E0004-01 (Ground Water)**

Sampled: 30-Apr-25 08:52
Received: 01-May-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**	436	mg/L	1.00	0.690	10	X519099	MAC	05/09/25 10:00	M4
EPA 200.7	**Magnesium**	348	mg/L	0.500	0.090		X519099	MAC	05/09/25 07:13	
EPA 200.7	**Potassium**	3.36	mg/L	0.50	0.18		X519099	MAC	05/09/25 07:13	
SM 2340 B	**Hardness (as CaCO3)**	2520	mg/L	4.56	2.09		N/A		05/14/25 09:31	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	463	mg/L	0.080	0.054		X520036	MAC	05/14/25 09:31	M3
EPA 200.7	**Barium**	0.0123	mg/L	0.0020	0.0019		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Beryllium**	0.126	mg/L	0.00200	0.00080		X520036	MAC	05/14/25 09:31	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Cadmium**	1.02	mg/L	0.0020	0.0016		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Calcium**	411	mg/L	0.100	0.069		X520036	MAC	05/14/25 09:31	M3
EPA 200.7	**Chromium**	0.0919	mg/L	0.0060	0.0020		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Cobalt**	2.44	mg/L	0.0060	0.0046		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Copper**	2.13	mg/L	0.0100	0.0027		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Iron**	10.0	mg/L	0.100	0.056		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Lead**	0.0462	mg/L	0.0075	0.0049		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Lithium**	0.369	mg/L	0.040	0.025		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Magnesium**	372	mg/L	0.500	0.090		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Manganese**	117	mg/L	0.0400	0.0170	5	X520036	MAC	05/14/25 10:44	M4
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Nickel**	2.21	mg/L	0.0100	0.0048		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Potassium**	3.22	mg/L	0.50	0.18		X520036	MAC	05/14/25 09:31	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Sodium**	28.7	mg/L	0.50	0.12		X520036	MAC	05/14/25 09:31	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X520036	MAC	05/14/25 09:31	
EPA 200.7	**Zinc**	43.5	mg/L	0.0100	0.0054		X520036	MAC	05/14/25 09:31	M3
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519004	NMS	05/13/25 07:43	
EPA 200.8	**Arsenic**	0.0312	mg/L	0.00100	0.00021		X519004	NMS	05/13/25 07:43	
EPA 200.8	**Selenium**	0.00855	mg/L	0.00100	0.00024		X519004	NMS	05/13/25 07:43	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X519004	NMS	05/13/25 07:43	
EPA 200.8	**Uranium**	2.00	mg/L	0.000100	0.000052		X519004	SMU	05/13/25 07:43	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X519028	SJN	05/07/25 15:41	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X519005	JPM	05/06/25 09:02	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 15:04	
EPA 350.1	**Ammonia as N**	0.038	mg/L	0.030	0.013		X519039	JPM	05/07/25 11:00	M2
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519084	JPM	05/08/25 15:49	
SM 2310 B	**Acidity to pH 8.3**	3770	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X519044	MWD	05/07/25 15:28	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X519044	MWD	05/07/25 15:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X519044	MWD	05/07/25 15:28	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X519044	MWD	05/07/25 15:28	
SM 2540 C	**Total Diss. Solids**	7070	mg/L	40			X518212	TJL	05/05/25 13:10	
SM 2540 D	**Total Susp. Solids**	20.0	mg/L	5.0			X518213	TJL	05/05/25 15:00	
SM 4500 H B	**pH @20.4°C**	3.3	pH Units				X519044	MWD	05/07/25 15:28	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5E0004**
Reported: 15-May-25 08:19

Client Sample ID: **GVMW-36**
SVL Sample ID: **X5E0004-01 (Ground Water)**

Sampled: 30-Apr-25 08:52
Received: 01-May-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	10.0	mg/L	1.00	0.11	5	X518180	RS	05/01/25 13:31	D18
EPA 300.0	**Fluoride**	57.9	mg/L	10.0	1.70	100	X518180	RS	05/01/25 13:47	
EPA 300.0	**Nitrate as N**	3.25	mg/L	0.250	0.065	5	X518180	RS	05/01/25 13:31	D18
EPA 300.0	**Nitrate+Nitrite as N**	3.25	mg/L	0.500	0.220	5	X518180	RS	05/01/25 13:31	D18
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X518180	RS	05/01/25 13:31	D18
EPA 300.0	**Sulfate as SO4**	5460	mg/L	75.0	45.0	250	X518180	RS	05/02/25 14:33	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 126 meq/L Anion Sum: 117 meq/L C/A Balance: 3.55 % Calculated TDS: 6358 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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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5E0004**
Reported: 15-May-25 08:19

Client Sample ID: **GVMW-33**
SVL Sample ID: **X5E0004-02 (Ground Water)**

Sampled: 30-Apr-25 10:30
Received: 01-May-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**	417	mg/L	1.00	0.690	10	X519099	MAC	05/09/25 10:11	
EPA 200.7	**Magnesium**	180	mg/L	0.500	0.090		X519099	MAC	05/09/25 07:26	
EPA 200.7	**Potassium**	9.35	mg/L	0.50	0.18		X519099	MAC	05/09/25 07:26	
SM 2340 B	**Hardness (as CaCO3)**	1780	mg/L	4.56	2.09		N/A		05/14/25 09:42	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	294	mg/L	0.080	0.054		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Barium**	0.0209	mg/L	0.0020	0.0019		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Beryllium**	0.329	mg/L	0.00200	0.00080		X520036	MAC	05/14/25 09:42	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Cadmium**	0.676	mg/L	0.0020	0.0016		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Calcium**	413	mg/L	0.100	0.069		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Chromium**	0.0113	mg/L	0.0060	0.0020		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Cobalt**	0.439	mg/L	0.0060	0.0046		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Copper**	0.731	mg/L	0.0100	0.0027		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Iron**	1.68	mg/L	0.100	0.056		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Lead**	0.0212	mg/L	0.0075	0.0049		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Lithium**	0.179	mg/L	0.040	0.025		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Magnesium**	199	mg/L	0.500	0.090		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Manganese**	110	mg/L	0.0400	0.0170	5	X520036	MAC	05/14/25 10:55	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Nickel**	0.995	mg/L	0.0100	0.0048		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Potassium**	9.21	mg/L	0.50	0.18		X520036	MAC	05/14/25 09:42	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Sodium**	208	mg/L	0.50	0.12		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Vanadium**	0.0052	mg/L	0.0050	0.0019		X520036	MAC	05/14/25 09:42	
EPA 200.7	**Zinc**	16.6	mg/L	0.0100	0.0054		X520036	MAC	05/14/25 09:42	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X519004	NMS	05/13/25 09:30	
EPA 200.8	**Arsenic**	0.0847	mg/L	0.00100	0.00021		X519004	NMS	05/13/25 09:30	M3
EPA 200.8	**Selenium**	0.0152	mg/L	0.00100	0.00024		X519004	NMS	05/13/25 09:30	M1
EPA 200.8	**Thallium**	0.000777	mg/L	0.000200	0.00008		X519004	NMS	05/13/25 09:30	
EPA 200.8	**Uranium**	1.16	mg/L	0.000100	0.000052		X519004	NMS	05/13/25 09:30	M3
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X519028	SJN	05/07/25 15:43	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X519005	JPM	05/06/25 09:04	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X519012	JPM	05/06/25 15:06	
EPA 350.1	**Ammonia as N**	0.180	mg/L	0.030	0.013		X519039	JPM	05/07/25 11:03	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X519084	JPM	05/08/25 15:51	
SM 2310 B	**Acidity to pH 8.3**	1860	mg/L as CaCO3	10.0			X519114	MWD	05/08/25 13:21	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X519044	MWD	05/07/25 15:34	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X519044	MWD	05/07/25 15:34	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X519044	MWD	05/07/25 15:34	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X519044	MWD	05/07/25 15:34	
SM 2540 C	**Total Diss. Solids**	5710	mg/L	40			X518212	TJL	05/05/25 13:10	
SM 2540 D	**Total Susp. Solids**	18.0	mg/L	5.0			X518213	TJL	05/05/25 15:00	
SM 4500 H B	**pH @20.3°C**	3.8	pH Units				X519044	MWD	05/07/25 15:34	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
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5E0004**
Reported: 15-May-25 08:19

Client Sample ID: **GVMW-33**
SVL Sample ID: **X5E0004-02 (Ground Water)**

Sampled: 30-Apr-25 10:30
Received: 01-May-25
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	7.01	mg/L	1.00	0.11	5	X518180	RS	05/01/25 14:02	D18
EPA 300.0	**Fluoride**	17.2	mg/L	0.500	0.085	5	X518180	RS	05/01/25 14:02	
EPA 300.0	**Nitrate as N**	3.50	mg/L	0.250	0.065	5	X518180	RS	05/01/25 14:02	D18
EPA 300.0	**Nitrate+Nitrite as N**	3.61	mg/L	0.500	0.220	5	X518180	RS	05/01/25 14:02	D18
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X518180	RS	05/01/25 14:02	D18
EPA 300.0	**Sulfate as SO4**	4060	mg/L	30.0	18.0	100	X518180	RS	05/01/25 14:18	

Cation/Anion Balance and TDS Ratios

Cation Sum: 82.0 meq/L Anion Sum: 85.9 meq/L C/A Balance: -2.31 % Calculated TDS: 4922 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

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5E0004**
Reported: 15-May-25 08:19

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X519099	09-May-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X519099	09-May-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X519099	09-May-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X520036	14-May-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X520036	14-May-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X520036	14-May-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X520036	14-May-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X520036	14-May-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X520036	14-May-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X520036	14-May-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X520036	14-May-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X520036	14-May-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X520036	14-May-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X520036	14-May-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X520036	14-May-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X520036	14-May-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X520036	14-May-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X520036	14-May-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X520036	14-May-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X520036	14-May-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X520036	14-May-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X520036	14-May-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X520036	14-May-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X520036	14-May-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X519004	13-May-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X519004	13-May-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X519004	13-May-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X519004	13-May-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X519004	13-May-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X519028	07-May-25	
Classical Chemistry Parameters								
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X519005	06-May-25	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X519012	06-May-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X519039	07-May-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X519084	08-May-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X519114	08-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X519044	07-May-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X519044	07-May-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X519044	07-May-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X519044	07-May-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X518212	05-May-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X518213	05-May-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X518180	02-May-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X518180	02-May-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X518180	02-May-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X518180	02-May-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X518180	02-May-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X518180	02-May-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5E0004**
Reported: 15-May-25 08:19

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.8	20.0	99	85 - 115	X519099	09-May-25	
EPA 200.7	Magnesium	mg/L	19.7	20.0	98.3	85 - 115	X519099	09-May-25	
EPA 200.7	Potassium	mg/L	19.4	20.0	97.2	85 - 115	X519099	09-May-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.944	1.00	94.4	85 - 115	X520036	14-May-25	
EPA 200.7	Barium	mg/L	0.975	1.00	97.5	85 - 115	X520036	14-May-25	
EPA 200.7	Beryllium	mg/L	0.943	1.00	94.3	85 - 115	X520036	14-May-25	
EPA 200.7	Boron	mg/L	0.942	1.00	94.2	85 - 115	X520036	14-May-25	
EPA 200.7	Cadmium	mg/L	0.960	1.00	96.0	85 - 115	X520036	14-May-25	
EPA 200.7	Calcium	mg/L	18.8	20.0	93.8	85 - 115	X520036	14-May-25	
EPA 200.7	Chromium	mg/L	0.964	1.00	96.4	85 - 115	X520036	14-May-25	
EPA 200.7	Cobalt	mg/L	0.935	1.00	93.5	85 - 115	X520036	14-May-25	
EPA 200.7	Copper	mg/L	0.935	1.00	93.5	85 - 115	X520036	14-May-25	
EPA 200.7	Iron	mg/L	9.26	10.0	92.6	85 - 115	X520036	14-May-25	
EPA 200.7	Lead	mg/L	0.969	1.00	96.9	85 - 115	X520036	14-May-25	
EPA 200.7	Lithium	mg/L	0.918	1.00	91.8	85 - 115	X520036	14-May-25	
EPA 200.7	Magnesium	mg/L	18.5	20.0	92.3	85 - 115	X520036	14-May-25	
EPA 200.7	Manganese	mg/L	0.972	1.00	97.2	85 - 115	X520036	14-May-25	
EPA 200.7	Molybdenum	mg/L	0.935	1.00	93.5	85 - 115	X520036	14-May-25	
EPA 200.7	Nickel	mg/L	0.949	1.00	94.9	85 - 115	X520036	14-May-25	
EPA 200.7	Potassium	mg/L	19.2	20.0	96.2	85 - 115	X520036	14-May-25	
EPA 200.7	Silver	mg/L	0.0453	0.0500	90.7	85 - 115	X520036	14-May-25	
EPA 200.7	Sodium	mg/L	18.0	19.0	94.8	85 - 115	X520036	14-May-25	
EPA 200.7	Vanadium	mg/L	0.960	1.00	96.0	85 - 115	X520036	14-May-25	
EPA 200.7	Zinc	mg/L	0.955	1.00	95.5	85 - 115	X520036	14-May-25	
EPA 200.8	Antimony	mg/L	0.0231	0.0250	92.4	85 - 115	X519004	13-May-25	
EPA 200.8	Arsenic	mg/L	0.0223	0.0250	89.1	85 - 115	X519004	13-May-25	
EPA 200.8	Selenium	mg/L	0.0213	0.0250	85.4	85 - 115	X519004	13-May-25	
EPA 200.8	Thallium	mg/L	0.0222	0.0250	88.8	85 - 115	X519004	13-May-25	
EPA 200.8	Uranium	mg/L	0.0229	0.0250	91.4	85 - 115	X519004	13-May-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00210	0.00200	105	85 - 115	X519028	07-May-25	
Classical Chemistry Parameters									
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.109	0.100	109	90 - 110	X519005	06-May-25	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.100	100	90 - 110	X519012	06-May-25	
EPA 350.1	Ammonia as N	mg/L	1.02	1.00	102	90 - 110	X519039	07-May-25	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.100	104	90 - 110	X519084	08-May-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1170	1180	99.4	95.4 - 104	X519114	08-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	94 - 106	X519044	07-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	94 - 106	X519044	07-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	414	397	104	94 - 106	X519044	07-May-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X518213	05-May-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.08	3.00	103	90 - 110	X518180	02-May-25	
EPA 300.0	Fluoride	mg/L	2.04	2.00	102	90 - 110	X518180	02-May-25	
EPA 300.0	Nitrate as N	mg/L	2.00	2.00	100	90 - 110	X518180	02-May-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.60	4.50	102	90 - 110	X518180	02-May-25	
EPA 300.0	Nitrite as N	mg/L	2.60	2.50	104	90 - 110	X518180	02-May-25	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X518180	02-May-25	

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Cripple Creek & Victor Gold Mining Company
Ironclad Security 1632 County Rd 82
Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5E0004**
Reported: 15-May-25 08:19

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	7020	7020	0.0	20	X519114 - X5D0430-01	08-May-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	91.9	93.5	1.7	20	X519044 - X5D0470-01	07-May-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	91.9	93.5	1.7	20	X519044 - X5D0470-01	07-May-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X519044 - X5D0470-01	07-May-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X519044 - X5D0470-01	07-May-25	
SM 2540 C	Total Diss. Solids	mg/L	396	415	4.7	10	X518212 - X5E0005-02	05-May-25	
SM 2540 C	Total Diss. Solids	mg/L	557	593	6.3	10	X518212 - X5D0453-02	05-May-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X518213 - X5D0455-01	05-May-25	
SM 2540 D	Total Susp. Solids	mg/L	6.0	6.0	0.0	10	X518213 - X5D0453-02	05-May-25	
SM 4500 H B	pH @20.2°C	pH Units	7.8	7.9	1.3	20	X519044 - X5D0470-01	07-May-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	466	436	20.0	0.30R>S	70 - 130	X519099 - X5E0004-01	09-May-25	M4
EPA 200.7	Magnesium	mg/L	373	348	20.0	129	70 - 130	X519099 - X5E0004-01	09-May-25	
EPA 200.7	Potassium	mg/L	24.9	3.36	20.0	108	70 - 130	X519099 - X5E0004-01	09-May-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	463	463	1.00	0.30R>S	70 - 130	X520036 - X5E0004-01	14-May-25	M3
EPA 200.7	Aluminum	mg/L	0.957	<0.080	1.00	95.7	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Barium	mg/L	1.00	0.0123	1.00	99.2	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Barium	mg/L	1.00	0.0364	1.00	96.4	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Beryllium	mg/L	1.08	0.126	1.00	95.8	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Beryllium	mg/L	0.936	<0.00200	1.00	93.6	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	99.7	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Boron	mg/L	1.01	0.0495	1.00	95.6	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Cadmium	mg/L	1.96	1.02	1.00	94.4	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Cadmium	mg/L	0.931	<0.0020	1.00	93.1	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Calcium	mg/L	431	411	20.0	95.6	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Calcium	mg/L	122	104	20.0	89.7	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Chromium	mg/L	1.03	0.0919	1.00	93.7	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Chromium	mg/L	0.954	<0.0060	1.00	95.4	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Cobalt	mg/L	3.39	2.44	1.00	95.1	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Cobalt	mg/L	0.902	<0.0060	1.00	90.2	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Copper	mg/L	3.19	2.13	1.00	105	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Copper	mg/L	0.946	<0.0100	1.00	94.6	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Iron	mg/L	19.5	10.0	10.0	94.7	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Iron	mg/L	9.29	<0.100	10.0	92.9	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Lead	mg/L	1.01	0.0462	1.00	96.1	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Lead	mg/L	0.944	<0.0075	1.00	94.4	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Lithium	mg/L	1.57	0.369	1.00	120	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Lithium	mg/L	0.999	<0.040	1.00	97.0	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Magnesium	mg/L	392	372	20.0	99.0	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Magnesium	mg/L	44.0	24.5	20.0	97.6	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Manganese	mg/L	1.00	0.0442	1.00	95.7	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Manganese	mg/L	118	117	1.00	104	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Molybdenum	mg/L	0.951	<0.0080	1.00	95.1	70 - 130	X520036 - X5E0004-01	14-May-25	

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Cripple Creek, CO 80813

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5E0004**
Reported: 15-May-25 08:19

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Molybdenum	mg/L	0.933	<0.0080	1.00	93.3	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Nickel	mg/L	3.17	2.21	1.00	96.4	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Nickel	mg/L	0.909	<0.0100	1.00	90.9	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Potassium	mg/L	24.0	3.22	20.0	104	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Potassium	mg/L	22.3	3.10	20.0	96.1	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Silver	mg/L	0.0489	<0.0050	0.0500	97.8	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Silver	mg/L	0.0470	<0.0050	0.0500	94.1	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Sodium	mg/L	48.1	28.7	19.0	102	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Sodium	mg/L	53.8	36.3	19.0	92.2	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Vanadium	mg/L	0.980	<0.0050	1.00	97.6	70 - 130	X520036 - X5E0004-01	14-May-25	
EPA 200.7	Vanadium	mg/L	0.967	0.0073	1.00	96.0	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.7	Zinc	mg/L	44.8	43.5	1.00	0.30R>S	70 - 130	X520036 - X5E0004-01	14-May-25	M3
EPA 200.7	Zinc	mg/L	0.936	<0.0100	1.00	93.6	70 - 130	X520036 - X5E0087-01	14-May-25	
EPA 200.8	Antimony	mg/L	0.0239	<0.00100	0.0250	92.2	70 - 130	X519004 - X5E0004-02	13-May-25	
EPA 200.8	Antimony	mg/L	0.0314	0.00146	0.0250	120	70 - 130	X519004 - X5E0026-01	13-May-25	
EPA 200.8	Arsenic	mg/L	0.122	0.0847	0.0250	0.30R>S	70 - 130	X519004 - X5E0004-02	13-May-25	M3
EPA 200.8	Arsenic	mg/L	0.0440	0.0105	0.0250	134	70 - 130	X519004 - X5E0026-01	13-May-25	M1
EPA 200.8	Selenium	mg/L	0.0406	0.0152	0.0250	102	70 - 130	X519004 - X5E0004-02	13-May-25	
EPA 200.8	Selenium	mg/L	0.0488	0.0159	0.0250	132	70 - 130	X519004 - X5E0026-01	13-May-25	M1
EPA 200.8	Thallium	mg/L	0.0290	0.000777	0.0250	113	70 - 130	X519004 - X5E0004-02	13-May-25	
EPA 200.8	Thallium	mg/L	0.0298	<0.000200	0.0250	119	70 - 130	X519004 - X5E0026-01	13-May-25	
EPA 200.8	Uranium	mg/L	1.40	1.16	0.0250	0.30R>S	70 - 130	X519004 - X5E0004-02	13-May-25	M3
EPA 200.8	Uranium	mg/L	0.113	0.0798	0.0250	134	70 - 130	X519004 - X5E0026-01	13-May-25	M3
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	106	70 - 130	X519028 - X5E0001-01	07-May-25	
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X519028 - X5E0032-01	07-May-25	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0432	<0.0050	0.100	43.2	79 - 121	X519005 - X5D0430-01	06-May-25	M2,R2B
EPA 335.4	Cyanide (total)	mg/L	0.100	<0.0050	0.100	100	90 - 110	X519012 - X5D0430-02	06-May-25	
EPA 335.4	Cyanide (total)	mg/L	0.0589	<0.0050	0.100	58.9	90 - 110	X519012 - X5D0430-01	06-May-25	M2
EPA 350.1	Ammonia as N	mg/L	1.23	0.180	1.00	105	90 - 110	X519039 - X5E0004-02	07-May-25	
EPA 350.1	Ammonia as N	mg/L	1.16	0.038	1.00	112	90 - 110	X519039 - X5E0004-01	07-May-25	M2
OIA 1677	Cyanide (WAD)	mg/L	0.107	<0.0050	0.100	105	82 - 118	X519084 - X5D0469-01	08-May-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.46	0.40	3.00	102	90 - 110	X518180 - X5E0012-01	02-May-25	
EPA 300.0	Fluoride	mg/L	2.09	<0.100	2.00	102	90 - 110	X518180 - X5E0012-01	02-May-25	
EPA 300.0	Nitrate as N	mg/L	2.07	0.117	2.00	97.9	90 - 110	X518180 - X5E0012-01	02-May-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.12	0.117	4.00	100	90 - 110	X518180 - X5E0012-01	02-May-25	
EPA 300.0	Nitrite as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X518180 - X5E0012-01	02-May-25	
EPA 300.0	Sulfate as SO4	mg/L	10.7	0.50	10.0	102	90 - 110	X518180 - X5E0012-01	02-May-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	448	466	20.0	4.0	20	0.30R>S	X519099 - X5E0004-01	M4
EPA 200.7	Magnesium	mg/L	368	373	20.0	1.6	20	100	X519099 - X5E0004-01	
EPA 200.7	Potassium	mg/L	24.6	24.9	20.0	1.1	20	106	X519099 - X5E0004-01	

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5E0004**
Reported: 15-May-25 08:19

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	459	463	1.00	1.0	20	0.30R>S	X520036 - X5E0004-01	M3
EPA 200.7	Barium	mg/L	0.966	1.00	1.00	3.9	20	95.3	X520036 - X5E0004-01	
EPA 200.7	Beryllium	mg/L	1.08	1.08	1.00	0.7	20	95.0	X520036 - X5E0004-01	
EPA 200.7	Boron	mg/L	1.01	1.02	1.00	1.1	20	98.6	X520036 - X5E0004-01	
EPA 200.7	Cadmium	mg/L	1.93	1.96	1.00	1.6	20	91.2	X520036 - X5E0004-01	
EPA 200.7	Calcium	mg/L	424	431	20.0	1.6	20	0.30R>S	X520036 - X5E0004-01	M3
EPA 200.7	Chromium	mg/L	1.01	1.03	1.00	2.0	20	91.8	X520036 - X5E0004-01	
EPA 200.7	Cobalt	mg/L	3.33	3.39	1.00	1.7	20	89.5	X520036 - X5E0004-01	
EPA 200.7	Copper	mg/L	3.14	3.19	1.00	1.5	20	101	X520036 - X5E0004-01	
EPA 200.7	Iron	mg/L	19.1	19.5	10.0	1.9	20	91.0	X520036 - X5E0004-01	
EPA 200.7	Lead	mg/L	0.989	1.01	1.00	1.9	20	94.2	X520036 - X5E0004-01	
EPA 200.7	Lithium	mg/L	1.54	1.57	1.00	2.0	20	117	X520036 - X5E0004-01	
EPA 200.7	Magnesium	mg/L	388	392	20.0	1.1	20	77.2	X520036 - X5E0004-01	
EPA 200.7	Manganese	mg/L	119	118	1.00	0.5	20	0.30R>S	X520036 - X5E0004-01	M4
EPA 200.7	Molybdenum	mg/L	0.934	0.951	1.00	1.9	20	93.4	X520036 - X5E0004-01	
EPA 200.7	Nickel	mg/L	3.12	3.17	1.00	1.5	20	91.6	X520036 - X5E0004-01	
EPA 200.7	Potassium	mg/L	23.1	24.0	20.0	3.9	20	99.3	X520036 - X5E0004-01	
EPA 200.7	Silver	mg/L	0.0482	0.0489	0.0500	1.4	20	96.5	X520036 - X5E0004-01	
EPA 200.7	Sodium	mg/L	47.0	48.1	19.0	2.3	20	96.6	X520036 - X5E0004-01	
EPA 200.7	Vanadium	mg/L	0.962	0.980	1.00	1.8	20	95.9	X520036 - X5E0004-01	
EPA 200.7	Zinc	mg/L	44.3	44.8	1.00	1.3	20	77.0	X520036 - X5E0004-01	
EPA 200.8	Antimony	mg/L	0.0263	0.0239	0.0250	9.7	20	102	X519004 - X5E0004-02	
EPA 200.8	Arsenic	mg/L	0.123	0.122	0.0250	0.6	20	0.30R>S	X519004 - X5E0004-02	M3
EPA 200.8	Selenium	mg/L	0.0431	0.0406	0.0250	5.8	20	111	X519004 - X5E0004-02	
EPA 200.8	Thallium	mg/L	0.0323	0.0290	0.0250	10.9	20	126	X519004 - X5E0004-02	
EPA 200.8	Uranium	mg/L	1.43	1.40	0.0250	2.3	20	0.30R>S	X519004 - X5E0004-02	M3
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00206	0.00211	0.00200	2.7	20	103	X519028 - X5E0001-01	
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	mg/L	0.0367	0.0432	0.100	16.3	11	36.7	X519005 - X5D0430-01	M2,R2B
EPA 335.4	Cyanide (total)	mg/L	0.102	0.100	0.100	2.1	20	102	X519012 - X5D0430-02	
EPA 350.1	Ammonia as N	mg/L	1.27	1.23	1.00	2.7	20	109	X519039 - X5E0004-02	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.107	0.100	1.3	11	104	X519084 - X5D0469-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.37	3.46	3.00	2.5	20	99.0	X518180 - X5E0012-01	
EPA 300.0	Fluoride	mg/L	2.07	2.09	2.00	1.3	20	101	X518180 - X5E0012-01	
EPA 300.0	Nitrate as N	mg/L	2.05	2.07	2.00	1.2	20	96.6	X518180 - X5E0012-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.05	4.12	4.00	1.8	20	98.2	X518180 - X5E0012-01	
EPA 300.0	Nitrite as N	mg/L	2.00	2.04	2.00	2.5	20	99.8	X518180 - X5E0012-01	
EPA 300.0	Sulfate as SO4	mg/L	10.6	10.7	10.0	1.5	20	101	X518180 - X5E0012-01	

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Cripple Creek & Victor Gold Mining Company	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Ironclad Security 1632 County Rd 82	Work Order: **X5E0004**
Cripple Creek, CO 80813	Reported: 15-May-25 08:19

Notes and Definitions

D18	Due to a published chemical interference, a sample dilution was performed.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
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.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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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: **X5D0047**
Victor, CO 80860	Reported: 15-Apr-25 11:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
RB-0402	X5D0047-01	Ground Water	02-Apr-25 14:35	TR	03-Apr-2025	

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

Case Narrative: X5D0047

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: **X5D0047**
Reported: 15-Apr-25 11:39

Client Sample ID: **RB-0402**
SVL Sample ID: **X5D0047-01 (Ground Water)**

Sampled: 02-Apr-25 14:35
Received: 03-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X515039	SJN	04/11/25 10:58	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X515039	SJN	04/11/25 10:58	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X515039	SJN	04/11/25 10:58	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		04/08/25 12:38	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X514227	NMS	04/08/25 12:38	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X514227	NMS	04/08/25 12:38	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X514227	NMS	04/08/25 12:38	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X514227	NMS	04/08/25 12:38	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X514227	NMS	04/08/25 12:38	
EPA 200.7	**Calcium**	0.271	mg/L	0.100	0.069		X514227	NMS	04/08/25 12:38	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X514227	NMS	04/08/25 12:38	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X514227	NMS	04/08/25 12:38	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X514227	NMS	04/08/25 12:38	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X514227	NMS	04/08/25 12:38	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X514227	NMS	04/08/25 12:38	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X514227	NMS	04/08/25 12:38	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X514227	NMS	04/08/25 12:38	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:38	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X514227	NMS	04/08/25 12:38	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X514227	NMS	04/08/25 12:38	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X514227	NMS	04/08/25 12:38	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:38	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X514227	NMS	04/08/25 12:38	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X514227	NMS	04/08/25 12:38	
EPA 200.7	**Zinc**	0.0132	mg/L	0.0100	0.0054		X514227	NMS	04/08/25 12:38	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X515160	JRR	04/14/25 11:56	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X515160	JRR	04/14/25 11:56	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X515160	JRR	04/14/25 11:56	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X515160	JRR	04/14/25 11:56	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X515160	JRR	04/14/25 11:56	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X515033	MAC	04/11/25 13:33	B10
Classical Chemistry Parameters										
ASTM D7237-15A	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X514175	JPM	04/08/25 09:29	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X514221	JPM	04/10/25 11:33	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X515052	DD	04/09/25 13:04	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X515092	JPM	04/11/25 16:29	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X515176	MWD	04/11/25 10:47	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:20	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:20	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:20	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X515146	MWD	04/10/25 14:20	
SM 2540 C	**Total Diss. Solids**	13	mg/L	10			X514223	TJL	04/07/25 13:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X514224	TJL	04/07/25 14:00	
SM 4500 H B	**pH @20.1°C**	5.0	pH Units				X515146	MWD	04/10/25 14:20	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
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0047**
Reported: 15-Apr-25 11:39

Client Sample ID: **RB-0402**
SVL Sample ID: **X5D0047-01 (Ground Water)**

Sampled: 02-Apr-25 14:35
Received: 03-Apr-25
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 0.20	mg/L	0.20	0.02		X514187	RS	04/04/25 00:56	
EPA 300.0	**Fluoride**	0.247	mg/L	0.100	0.017		X514187	RS	04/04/25 00:56	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X514187	RS	04/04/25 00:56	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X514187	RS	04/04/25 00:56	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X514187	RS	04/04/25 00:56	
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X514187	RS	04/04/25 00:56	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.03 meq/L Anion Sum: 0.04 meq/L C/A Balance: -8.94 % Calculated TDS: 0 TDS/cTDS: 33.99

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: **X5D0047**
Reported: 15-Apr-25 11:39

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X515039	11-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X515039	11-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X515039	11-Apr-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X514227	08-Apr-25	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X514227	08-Apr-25	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X514227	08-Apr-25	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X514227	08-Apr-25	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X514227	08-Apr-25	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X514227	08-Apr-25	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X514227	08-Apr-25	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X514227	08-Apr-25	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X514227	08-Apr-25	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X514227	08-Apr-25	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X514227	08-Apr-25	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X514227	08-Apr-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X514227	08-Apr-25	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X514227	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X514227	08-Apr-25	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X514227	08-Apr-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X514227	08-Apr-25	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X514227	08-Apr-25	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X514227	08-Apr-25	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X514227	08-Apr-25	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X514227	08-Apr-25	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X515160	14-Apr-25	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X515160	14-Apr-25	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X515160	14-Apr-25	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X515160	14-Apr-25	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X515160	14-Apr-25	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X515033	11-Apr-25	B10,B7
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X515033	11-Apr-25	B10,B7
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	X514221	10-Apr-25	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X515052	09-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X515092	11-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X515146	10-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X514223	07-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X514224	07-Apr-25	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X514187	03-Apr-25	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X514187	03-Apr-25	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X514187	03-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X514187	03-Apr-25	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X514187	03-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X514187	03-Apr-25	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0047**
Reported: 15-Apr-25 11:39

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	18.0	20.0	90	85 - 115	X515039	11-Apr-25	
EPA 200.7	Magnesium	mg/L	17.8	20.0	88.8	85 - 115	X515039	11-Apr-25	
EPA 200.7	Potassium	mg/L	18.1	20.0	90.6	85 - 115	X515039	11-Apr-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.941	1.00	94.1	85 - 115	X514227	08-Apr-25	
EPA 200.7	Barium	mg/L	0.993	1.00	99.3	85 - 115	X514227	08-Apr-25	
EPA 200.7	Beryllium	mg/L	0.985	1.00	98.5	85 - 115	X514227	08-Apr-25	
EPA 200.7	Boron	mg/L	0.983	1.00	98.3	85 - 115	X514227	08-Apr-25	
EPA 200.7	Cadmium	mg/L	0.973	1.00	97.3	85 - 115	X514227	08-Apr-25	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.6	85 - 115	X514227	08-Apr-25	
EPA 200.7	Chromium	mg/L	0.982	1.00	98.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Cobalt	mg/L	0.965	1.00	96.5	85 - 115	X514227	08-Apr-25	
EPA 200.7	Copper	mg/L	0.956	1.00	95.6	85 - 115	X514227	08-Apr-25	
EPA 200.7	Iron	mg/L	9.64	10.0	96.4	85 - 115	X514227	08-Apr-25	
EPA 200.7	Lead	mg/L	0.984	1.00	98.4	85 - 115	X514227	08-Apr-25	
EPA 200.7	Lithium	mg/L	0.991	1.00	99.1	85 - 115	X514227	08-Apr-25	
EPA 200.7	Magnesium	mg/L	19.6	20.0	98.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Manganese	mg/L	0.987	1.00	98.7	85 - 115	X514227	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.972	1.00	97.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Nickel	mg/L	0.971	1.00	97.1	85 - 115	X514227	08-Apr-25	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Silver	mg/L	0.0461	0.0500	92.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.2	85 - 115	X514227	08-Apr-25	
EPA 200.7	Vanadium	mg/L	0.974	1.00	97.4	85 - 115	X514227	08-Apr-25	
EPA 200.7	Zinc	mg/L	0.976	1.00	97.6	85 - 115	X514227	08-Apr-25	
EPA 200.8	Antimony	mg/L	0.0274	0.0250	110	85 - 115	X515160	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0265	0.0250	106	85 - 115	X515160	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0257	0.0250	103	85 - 115	X515160	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0278	0.0250	111	85 - 115	X515160	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0285	0.0250	114	85 - 115	X515160	14-Apr-25	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00209	0.00200	104	85 - 115	X515033	11-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	0.104	0.100	104	90 - 110	X514221	10-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.974	1.00	97.4	90 - 110	X515052	09-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.100	103	90 - 110	X515092	11-Apr-25	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X515176	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	94 - 106	X515146	10-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	94 - 106	X515146	10-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	419	397	105	94 - 106	X515146	10-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X514224	07-Apr-25	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X514187	03-Apr-25	
EPA 300.0	Fluoride	mg/L	2.01	2.00	101	90 - 110	X514187	03-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.00	2.00	100	90 - 110	X514187	03-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.61	4.50	102	90 - 110	X514187	03-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.61	2.50	104	90 - 110	X514187	03-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.1	10.0	101	90 - 110	X514187	03-Apr-25	

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Cripple Creek & Victor Gold Mining Company
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X5D0047**
Reported: 15-Apr-25 11:39

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X515176 - X5D0024-01	11-Apr-25	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	69.7	66.5	4.7	20	X515146 - X5D0046-01	10-Apr-25	
SM 2320 B	Bicarbonate	mg/L as CaCO3	62.2	62.1	0.2	20	X515146 - X5D0046-01	10-Apr-25	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X515146 - X5D0046-01	10-Apr-25	
SM 2540 C	Total Diss. Solids	mg/L	292	286	2.1	10	X514223 - X5D0046-02	07-Apr-25	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X514224 - X5D0046-02	07-Apr-25	
SM 4500 H B	pH @19.6°C	pH Units	8.7	8.6	0.9	20	X515146 - X5D0046-01	10-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	49.7	28.9	20.0	104	70 - 130	X515039 - X5D0024-01	11-Apr-25	
EPA 200.7	Calcium	mg/L	53.1	37.0	20.0	81	70 - 130	X515039 - X5D0052-01	11-Apr-25	
EPA 200.7	Magnesium	mg/L	25.8	6.41	20.0	96.8	70 - 130	X515039 - X5D0024-01	11-Apr-25	
EPA 200.7	Magnesium	mg/L	37.5	19.6	20.0	89.2	70 - 130	X515039 - X5D0052-01	11-Apr-25	
EPA 200.7	Potassium	mg/L	20.6	0.98	20.0	98.0	70 - 130	X515039 - X5D0024-01	11-Apr-25	
EPA 200.7	Potassium	mg/L	22.7	5.10	20.0	88.1	70 - 130	X515039 - X5D0052-01	11-Apr-25	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.967	<0.080	1.00	90.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Aluminum	mg/L	1.04	<0.080	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Barium	mg/L	0.991	0.0265	1.00	96.5	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Barium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Beryllium	mg/L	0.974	0.00788	1.00	96.6	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Beryllium	mg/L	1.05	<0.00200	1.00	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Boron	mg/L	1.08	0.0874	1.00	99.7	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Boron	mg/L	1.05	<0.0400	1.00	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Cadmium	mg/L	0.981	<0.0020	1.00	98.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Calcium	mg/L	58.7	39.3	20.0	97.3	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Calcium	mg/L	20.9	0.271	20.0	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Chromium	mg/L	0.979	<0.0060	1.00	97.9	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Chromium	mg/L	1.06	<0.0060	1.00	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Cobalt	mg/L	0.951	<0.0060	1.00	95.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Cobalt	mg/L	1.02	<0.0060	1.00	102	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Copper	mg/L	0.960	<0.0100	1.00	95.3	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Copper	mg/L	1.02	<0.0100	1.00	102	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Iron	mg/L	9.47	<0.100	10.0	93.8	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Iron	mg/L	10.3	<0.100	10.0	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Lead	mg/L	0.959	<0.0075	1.00	95.9	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Lead	mg/L	1.04	<0.0075	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Lithium	mg/L	0.990	<0.040	1.00	99.0	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Lithium	mg/L	1.05	<0.040	1.00	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Magnesium	mg/L	27.5	8.51	20.0	94.8	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Magnesium	mg/L	21.1	<0.500	20.0	105	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Manganese	mg/L	0.987	0.0300	1.00	95.7	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Manganese	mg/L	1.06	<0.0080	1.00	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Molybdenum	mg/L	0.967	<0.0080	1.00	96.7	70 - 130	X514227 - X5D0002-01	08-Apr-25	

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: **X5D0047**
Reported: 15-Apr-25 11:39

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Molybdenum	mg/L	1.01	<0.0080	1.00	101	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Nickel	mg/L	0.956	<0.0100	1.00	95.6	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Nickel	mg/L	1.03	<0.0100	1.00	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Potassium	mg/L	27.8	7.74	20.0	100	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Potassium	mg/L	21.1	<0.50	20.0	106	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Silver	mg/L	0.0482	<0.0050	0.0500	96.4	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Silver	mg/L	0.0509	<0.0050	0.0500	102	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Sodium	mg/L	164	143	19.0	110	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Sodium	mg/L	19.9	<0.50	19.0	103	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Vanadium	mg/L	0.983	<0.0050	1.00	98.3	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.7	Zinc	mg/L	1.02	0.0386	1.00	98.1	70 - 130	X514227 - X5D0002-01	08-Apr-25	
EPA 200.7	Zinc	mg/L	1.05	0.0132	1.00	104	70 - 130	X514227 - X5D0047-01	08-Apr-25	
EPA 200.8	Antimony	mg/L	0.0265	<0.00100	0.0250	106	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Antimony	mg/L	0.0277	0.00132	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Arsenic	mg/L	0.0283	0.00206	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0263	<0.00100	0.0250	105	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Selenium	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0278	<0.000200	0.0250	111	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Thallium	mg/L	0.0258	<0.000200	0.0250	103	70 - 130	X515160 - X5D0046-01	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0282	0.000145	0.0250	112	70 - 130	X515160 - X5D0003-01	14-Apr-25	
EPA 200.8	Uranium	mg/L	0.0295	0.00312	0.0250	105	70 - 130	X515160 - X5D0046-01	14-Apr-25	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	105	70 - 130	X515033 - X5D0046-01	11-Apr-25	B10
EPA 245.1	Mercury	mg/L	0.00210	<0.000200	0.00200	105	70 - 130	X515033 - X5D0063-01	11-Apr-25	B10
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	0.102	<0.0050	0.100	102	90 - 110	X514221 - X5D0024-01	10-Apr-25	
EPA 335.4	Cyanide (total)	mg/L	0.106	<0.0050	0.100	106	90 - 110	X514221 - X5D0024-02	10-Apr-25	
EPA 350.1	Ammonia as N	mg/L	0.975	<0.030	1.00	97.5	90 - 110	X515052 - X5D0024-02	09-Apr-25	
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	105	90 - 110	X515052 - X5D0024-01	09-Apr-25	
OIA 1677	Cyanide (WAD)	mg/L	0.106	<0.0050	0.100	106	82 - 118	X515092 - X5D0024-01	11-Apr-25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.59	0.57	3.00	101	90 - 110	X514187 - X5D0032-04	03-Apr-25	
EPA 300.0	Chloride	mg/L	4.14	1.04	3.00	103	90 - 110	X514187 - X5D0034-02	03-Apr-25	
EPA 300.0	Fluoride	mg/L	2.43	0.405	2.00	101	90 - 110	X514187 - X5D0032-04	03-Apr-25	
EPA 300.0	Fluoride	mg/L	2.14	0.130	2.00	100	90 - 110	X514187 - X5D0034-02	03-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.39	0.366	2.00	101	90 - 110	X514187 - X5D0032-04	03-Apr-25	
EPA 300.0	Nitrate as N	mg/L	2.23	0.170	2.00	103	90 - 110	X514187 - X5D0034-02	03-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.43	0.366	4.00	102	90 - 110	X514187 - X5D0032-04	03-Apr-25	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.29	0.170	4.00	103	90 - 110	X514187 - X5D0034-02	03-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.05	<0.050	2.00	102	90 - 110	X514187 - X5D0032-04	03-Apr-25	
EPA 300.0	Nitrite as N	mg/L	2.07	<0.050	2.00	103	90 - 110	X514187 - X5D0034-02	03-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	10.3	0.33	10.0	99.5	90 - 110	X514187 - X5D0032-04	03-Apr-25	
EPA 300.0	Sulfate as SO4	mg/L	34.3	23.9	10.0	104	90 - 110	X514187 - X5D0034-02	03-Apr-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: **X5D0047**
Reported: 15-Apr-25 11:39

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	47.4	49.7	20.0	5.0	20	93	X515039 - X5D0024-01	
EPA 200.7	Magnesium	mg/L	25.6	25.8	20.0	0.7	20	96.0	X515039 - X5D0024-01	
EPA 200.7	Potassium	mg/L	19.6	20.6	20.0	4.7	20	93.3	X515039 - X5D0024-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.02	0.967	1.00	4.8	20	94.9	X514227 - X5D0002-01	
EPA 200.7	Barium	mg/L	0.998	0.991	1.00	0.7	20	97.1	X514227 - X5D0002-01	
EPA 200.7	Beryllium	mg/L	0.980	0.974	1.00	0.7	20	97.3	X514227 - X5D0002-01	
EPA 200.7	Boron	mg/L	1.07	1.08	1.00	1.0	20	98.6	X514227 - X5D0002-01	
EPA 200.7	Cadmium	mg/L	0.962	0.981	1.00	1.9	20	96.2	X514227 - X5D0002-01	
EPA 200.7	Calcium	mg/L	58.6	58.7	20.0	0.1	20	96.9	X514227 - X5D0002-01	
EPA 200.7	Chromium	mg/L	0.985	0.979	1.00	0.6	20	98.5	X514227 - X5D0002-01	
EPA 200.7	Cobalt	mg/L	0.930	0.951	1.00	2.2	20	93.0	X514227 - X5D0002-01	
EPA 200.7	Copper	mg/L	0.958	0.960	1.00	0.2	20	95.2	X514227 - X5D0002-01	
EPA 200.7	Iron	mg/L	9.50	9.47	10.0	0.4	20	94.2	X514227 - X5D0002-01	
EPA 200.7	Lead	mg/L	0.943	0.959	1.00	1.8	20	94.3	X514227 - X5D0002-01	
EPA 200.7	Lithium	mg/L	1.00	0.990	1.00	1.4	20	100	X514227 - X5D0002-01	
EPA 200.7	Magnesium	mg/L	27.5	27.5	20.0	0.1	20	95.0	X514227 - X5D0002-01	
EPA 200.7	Manganese	mg/L	0.997	0.987	1.00	1.0	20	96.7	X514227 - X5D0002-01	
EPA 200.7	Molybdenum	mg/L	0.951	0.967	1.00	1.7	20	95.1	X514227 - X5D0002-01	
EPA 200.7	Nickel	mg/L	0.944	0.956	1.00	1.3	20	94.4	X514227 - X5D0002-01	
EPA 200.7	Potassium	mg/L	27.9	27.8	20.0	0.4	20	101	X514227 - X5D0002-01	
EPA 200.7	Silver	mg/L	0.0492	0.0482	0.0500	2.0	20	98.3	X514227 - X5D0002-01	
EPA 200.7	Sodium	mg/L	166	164	19.0	1.0	20	119	X514227 - X5D0002-01	
EPA 200.7	Vanadium	mg/L	0.980	0.983	1.00	0.3	20	98.0	X514227 - X5D0002-01	
EPA 200.7	Zinc	mg/L	1.00	1.02	1.00	1.5	20	96.6	X514227 - X5D0002-01	
EPA 200.8	Antimony	mg/L	0.0269	0.0265	0.0250	1.3	20	107	X515160 - X5D0003-01	
EPA 200.8	Arsenic	mg/L	0.0268	0.0277	0.0250	3.3	20	107	X515160 - X5D0003-01	
EPA 200.8	Selenium	mg/L	0.0262	0.0263	0.0250	0.6	20	105	X515160 - X5D0003-01	
EPA 200.8	Thallium	mg/L	0.0278	0.0278	0.0250	0.3	20	111	X515160 - X5D0003-01	
EPA 200.8	Uranium	mg/L	0.0279	0.0282	0.0250	1.1	20	111	X515160 - X5D0003-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00207	0.00211	0.00200	1.7	20	104	X515033 - X5D0046-01	B10
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	0.103	0.102	0.100	0.8	20	103	X514221 - X5D0024-01	
EPA 350.1	Ammonia as N	mg/L	1.01	0.975	1.00	3.6	20	101	X515052 - X5D0024-02	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.106	0.100	0.2	11	106	X515092 - X5D0024-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.69	3.59	3.00	2.7	20	104	X514187 - X5D0032-04	
EPA 300.0	Fluoride	mg/L	2.49	2.43	2.00	2.3	20	104	X514187 - X5D0032-04	
EPA 300.0	Nitrate as N	mg/L	2.43	2.39	2.00	1.9	20	103	X514187 - X5D0032-04	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.53	4.43	4.00	2.2	20	104	X514187 - X5D0032-04	
EPA 300.0	Nitrite as N	mg/L	2.10	2.05	2.00	2.4	20	105	X514187 - X5D0032-04	
EPA 300.0	Sulfate as SO4	mg/L	10.6	10.3	10.0	2.6	20	102	X514187 - X5D0032-04	

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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: **X5D0047**
Victor, CO 80860	Reported: 15-Apr-25 11:39

Notes and Definitions

B10	Target analyte detected in method blank above laboratory acceptance limit but below reporting limit.
B7	Target analyte detected in method blank at or above method limit. Concentration found in the sample was 10 times above the concentration found in the method blank.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Attachment 2
Surface Water Calculations

GV-06

Sample Date: 4/8/2025

Data for Calculations:		
pH	7.2	std units
Hardness	150	mg/L
Temperature	1.4	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-06 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	7.2
Temperature (^{o}C)	< 21.7	< 17	1.4
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	5.389	19.727	0.049
Boron	0.750	---	<0.0400
Chloride	250.000	---	7.38
Chlorine	0.011	0.019	--
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	0.349
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.050
Sulfate	250.000	---	100
Phosporus	0.110	---	**0.052**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	<0.00100
Cadmium	0.00262	0.00097	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.10331	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.01969	0.01266	<0.00040
Iron	---	0.30000	**0.391**
Iron (T)	---	1.00000	**1.72**
Lead	0.10013	0.00390	<0.00020
Lead (T)	0.05000	---	0.0007
Manganese	3.41742	1.88813	1.44
Mercury (T)	---	0.00001	0.00000128
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.65984	0.07329	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00408	0.00015	<0.00008
Uranium	0.01680	0.01680	0.0011
Zinc	0.23135	0.17523	0.0115

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

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

- Invalid results, past regulatory hold time

GV-05

Sample Date: 4/28/2025

Data for Calculations:		
pH	7.58	std units
Hardness	129	mg/L
Temperature	5.9	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-05 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	7.58
Temperature (^{o}C)	< 21.7	< 17	5.9
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	11.743	4.054	<0.030
Boron	---	0.750	<0.0400
Chloride	---	250.000	12.7
Chlorine	0.019	0.011	--
Cyanide (Free)	0.005	---	<0.0050
Nitrate	10.000	---	0.065
Nitrite	---	0.050	<0.050
Sulfide	---	0.002	<0.050
Sulfate	---	250.000	84.3
Phosporus	---	0.110	<0.050
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	<0.00100
Cadmium	0.00228	0.00087	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.09130	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.01708	0.01113	<0.00040
Iron	---	0.30000	0.104
Iron (T)	---	1.00000	0.836
Lead	0.08512	0.00332	<0.00020
Lead (T)	0.05000	---	<0.00020
Manganese	3.24998	1.79562	0.284
Mercury (T)	---	0.00001	0.000000901
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.58080	0.06451	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00314	0.00012	<0.00008
Uranium	0.01680	0.01680	0.000712
Zinc	0.20170	0.15277	0.011

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

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

- Invalid results, past regulatory hold time

GV-4.5

Sample Date: 4/28/2025

Data for Calculations:		
pH	6.87	std units
Hardness	150	mg/L
Temperature	4.8	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-4.5 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	6.87
Temperature (^{o}C)	< 21.7	< 17	4.8
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	26.736	6.174	<0.030
Boron	---	0.750	<0.0400
Chloride	---	250.000	27.1
Chlorine	0.019	0.011	--
Cyanide (Free)	0.005	---	<0.0050
Nitrate	10.000	---	0.249
Nitrite	---	0.050	<0.050
Sulfide	---	0.002	<0.050
Sulfate	---	250.000	68.3
Phosporus	---	0.110	<0.050
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	<0.00100
Cadmium	0.00262	0.00097	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.10331	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.01969	0.01266	<0.00040
Iron	---	0.30000	**1.07**
Iron (T)	---	1.00000	**3.11**
Lead	0.10013	0.00390	<0.00020
Lead (T)	0.05000	---	<0.00020
Manganese	3.41742	1.88813	0.355
Mercury (T)	---	0.00001	0.000000538
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.65984	0.07329	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00408	0.00015	<0.00008
Uranium	0.01680	0.01680	0.000641
Zinc	0.23135	0.17523	0.0101

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

Attachment 3
Sampling Logs

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 4/8/25
Technician: J Crawford
Quarter: 2
Static Water Level (DTW): 41.31
Well ID: GVMW-4A
Is well Dry? No
If so Dry at: —
Well Depth (TD): 480 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1248			6.69	1782	6.2	3.27	246.9	
1253	41.38	0.00	6.08	493.1	5.8	2.51	93.0	
1258	41.35	0.04	6.48	276.3	5.1	0.75	49.3	
1303	41.58	0.23	6.49	248.8	5.2	0.40	32.8	0.11 gpm
1308	41.71	0.13	6.48	249.8	5.5	0.26	23.5	
1313	41.74	0.03	6.47	245.1	5.5	0.31	17.1	
1318	41.76	0.02	6.48	245.2	5.5	0.21	11.9	
1323	41.79	0.03	6.47	249.2	5.5	0.16	8.2	
1328	41.82	0.03	6.47	249.5	5.5	0.19	5.0	
1333	41.82	0.00	6.48	251.2	5.5	0.20	2.5	
~~1338~~								
~~1343~~								
~~1348~~								
		Total Drawdown:		0.51				

Sample Method: Low-flow
Rate (gpm): 0.11 gpm
* Flow rate at stabilization (during sample collection)
Time Start: 1248
Time End: 1333

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.48	±0.1	(Y) / N	
Conductivity	251.2	3%	(Y) / N	
Temp (deg C)	5.5	3%	(Y) / N	
Dissolved Oxyger	0.20	10%	(Y) / N	
~~Turbidity~~		10%	Y / (N)	
Oxidation/Reduction	21	±10	(Y) N	
DTW Stabilized	41.82	feet	(Y) / N	
Final H2O level	41.82	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: 3.36
Actual vol. pumped (gal): ~4.75

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

Weather: 49° 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:
0.51 + 2.55 + G 30 = 3.36

Low-Flow Test Report:

Test Date / Time: 4/1/2025 12:00:49 PM
Project: Grassy Valley (13)
Operator Name: Jcranford

Location Name: GVMW-7A **Latitude: 38.74769668980082** **Longitude: -105.12439627182846** **Well Diameter: 3 in** **Total Depth: 200 ft** **Initial Depth to Water: 35.7 ft**	**Estimated Total Volume Pumped: 4.75 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.06 gal/min** **Final Draw Down: 0.3 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gal bucket
Could not get water temperature to stabilize due to weather changes and fluctuations in ambient temperature.

Weather Conditions:
35 snow

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	
4/1/2025 12:00 PM	00:00	6.88 pH	3.64 °C	346.75 µS/cm	1.22 mg/L	65.6 mV	35.70 ft	0.06 gal/min
4/1/2025 12:05 PM	05:00	6.98 pH	4.18 °C	398.67 µS/cm	0.27 mg/L	-14.7 mV	35.82 ft	0.06 gal/min
4/1/2025 12:10 PM	10:00	7.02 pH	4.22 °C	428.15 µS/cm	0.18 mg/L	-29.1 mV	35.83 ft	0.06 gal/min
4/1/2025 12:15 PM	15:00	7.04 pH	4.84 °C	436.95 µS/cm	0.15 mg/L	-30.0 mV	35.86 ft	0.06 gal/min
4/1/2025 12:20 PM	20:00	7.06 pH	5.30 °C	435.01 µS/cm	0.14 mg/L	-28.9 mV	35.86 ft	0.06 gal/min
4/1/2025 12:25 PM	25:00	7.14 pH	4.60 °C	429.39 µS/cm	0.13 mg/L	-29.2 mV	35.88 ft	0.06 gal/min
4/1/2025 12:30 PM	30:00	7.19 pH	4.13 °C	424.20 µS/cm	0.14 mg/L	-27.9 mV	35.88 ft	0.06 gal/min
4/1/2025 12:35 PM	35:00	7.13 pH	4.59 °C	429.40 µS/cm	0.18 mg/L	-29.3 mV	35.89 ft	0.06 gal/min
4/1/2025 12:40 PM	40:00	7.15 pH	5.36 °C	433.16 µS/cm	0.17 mg/L	-29.6 mV	35.92 ft	0.06 gal/min
4/1/2025 12:45 PM	45:00	7.00 pH	5.79 °C	431.90 µS/cm	0.16 mg/L	-24.4 mV	35.92 ft	0.06 gal/min
4/1/2025 12:50 PM	50:00	7.01 pH	6.08 °C	413.86 µS/cm	0.05 mg/L	-32.1 mV	35.95 ft	0.06 gal/min
4/1/2025 12:55 PM	55:00	7.03 pH	6.63 °C	405.00 µS/cm	0.03 mg/L	-45.1 mV	35.95 ft	0.06 gal/min
4/1/2025 1:00 PM	01:00:00	7.04 pH	6.59 °C	407.91 µS/cm	0.01 mg/L	-44.2 mV	35.98 ft	0.06 gal/min
4/1/2025 1:05 PM	01:05:00	7.04 pH	6.82 °C	398.76 µS/cm	0.01 mg/L	-41.4 mV	35.99 ft	0.06 gal/min

4/1/2025 1:10 PM	01:10:00	7.07 pH	6.64 °C	396.05 µS/cm	0.00 mg/L	-39.7 mV	35.99 ft	0.06 gal/min
4/1/2025 1:15 PM	01:15:00	7.10 pH	6.19 °C	406.07 µS/cm	0.00 mg/L	-39.8 mV	36.00 ft	0.06 gal/min
4/1/2025 1:20 PM	01:20:00	7.07 pH	6.63 °C	413.34 µS/cm	0.00 mg/L	-37.2 mV	36.00 ft	0.06 gal/min
4/1/2025 1:25 PM	01:25:00	7.07 pH	5.90 °C	420.44 µS/cm	0.00 mg/L	-36.0 mV	36.00 ft	0.06 gal/min
4/1/2025 1:30 PM	01:30:00	7.10 pH	5.89 °C	419.51 µS/cm	0.00 mg/L	-37.6 mV	36.00 ft	0.06 gal/min

Samples

Sample ID:	Description:
GVMW-7A	

SSR Mining
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: T. Reed
Static Water Level (DTW): 30.82
Date: 4/1/25
Quarter: 2
Well ID: 6VMW ~~[illegible]~~ 7B
Is well Dry? No
If so Dry at: NO feet
Well Depth (TD): 50

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:58			7.02	4285	3.8	7.15	154.8	
12:03	30.85	0.03	6.98	949	6.5	6.98	106.3	0.375 L/M
12:08	30.99	0.06	6.90	728.0	6.5	6.66	108.2	
12:13	31.14	0.15	6.82	640.1	6.5	6.37	110.7	
12:18	31.29	0.25	6.66	548.9	6.7	4.33	117.6	
12:23	31.39	0.16	6.44	394.2	6.6	6.23	115.9	
12:28	31.44	0.05	6.44	394.4	6.7	6.09	114.2	
12:33	31.44	0.00	6.43	3868	6.7	6.16	121.5	
		Total Drawdown						
		0.64						

Sample Method: Low Flow
Rate (gpm): 0.9 * Flow rate at stabilization (during sample collection)
Time Start: 11:58 Time End: 12:33

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.43	±0.1	(Y) / N	
Conductivity	3868	3%	(Y) / N	
Temp (deg C)	6.7	3%	(Y) / N	
Dissolved Oxygen	6.16	10%	(Y) / N	
Turbidity		10%	Y / N	
Oxidation/Reduction Potential	121.5	±10	(Y) / N	
DTW Stabilized	31.44	feet	(Y) N	
Final H2O level	31.44	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) N
* See Field Volume Guide
If yes, required pump vol (gal): 0.59 following stabilization
Actual vol. pumped (gal) ~ 7.25

O/G visible: Y / (N)
Equipment Decontaminated: (Y) / N
Turbid? Y / (N)
Decontamination procedure used: Triple Rinse liquid Knox

Weather: 35 Snow
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:
$1 ft^3 = 7.48\ gal$
$1 gal = 3.785\ L$

Show Calculations:
0.34 + 0.25 = 0.59 gallons

SSR Mining
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley **Date:** 4/1/25
Technician: T. Reed **Quarter:** ~~1~~ 2
Static Water Level (DTW): 131.75 **Well ID:** GWMW-8A
Is well Dry? NO **If so Dry at:** — **Well Depth (TD):** 250 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
2:25			6.52	461.13	5.51	2.76	142.7	
2:30	131.89	0.06	6.52	460.86	5.58	2.82	145.1	0.12 gpm
2:45	131.83	0.02	6.49	460.38	5.76	3.13	146.6	
2:50	131.85	0.02	6.49	460.29	5.79	3.24	148.2	
2:55	131.85	0.00	6.49	459.08	5.79	3.27	149.0	
	total Drawdown							
		0.10						

Sample Method: Low-Flow **Rate (gpm):** 0.12 **Time Start:** 2:35 **Time End:** 2:55
** Flow rate at stabilization (during sample collection)*

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.49	±0.1	(Y) / N	
Conductivity	459.08	3%	(Y) / N	
Temp (deg C)	5.79	3%	(Y) / N	
Dissolved Oxygen	3.27	10%	(Y) / N	
~~Turbidity~~	~~T~~	~~10%~~	~~Y / N~~	
Oxidation/Reduction Potential	149.0	±10	(Y) / N	
DTW Stabilized	131.85	feet	(Y) / N	
Final H2O level	131.85	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) 2.5 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: 30° Snow
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:**

SSR Mining
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley Date: 4/1/25
Technician: J. Crawford Quarter: 2
Static Water Level (DTW): 43.77 Well ID: Gumw-8B
Is well Dry? no If so Dry at: — Well Depth (TD): 50 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
2:00	43.77	0	6.60	453.65	6.00	7.20	116.0	
2:05	43.77	0	6.52	436.16	5.57	7.22	135.8	0.09 GPM
2:10	43.77	0	6.52	430.95	5.51	7.13	135.9	
2:15	43.77	0	6.51	434.85	5.53	7.31	145.0	
2:20	43.77	0	6.50	427.15	5.51	7.62	145.7	
	Total drawdown 0.00							

Sample Method: low-flow Rate (gpm): 0.09 Time Start: 2:00 Time End: 2:20
** Flow rate at stabilization (during sample collection)*

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.50	±0.1	(Y) / N	
Conductivity	427.15	3%	(Y) / N	
Temp (deg C)	5.51	3%	(Y) / N	
Dissolved Oxygen	7.62	10%	(Y) / N	
~~Turbidity~~	~~—~~	~~10%~~	~~Y / N~~	
Oxidation/Reduction Potential	145.7	±10	(Y) / N	
DTW Stabilized	43.77	feet	(Y) / N	
Final H2O level	43.77	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) ~2.25
** 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: 36°F, Snowing
Signature:

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

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 4/14/25 - 4/15/25
Technician: EG / MB
Quarter: 2
Static Water Level (DTW): 42.04
Well ID: EG GVMW-30
Well Depth (TD): 51.35
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
4/14/25								
1254			3.35	4560	6.7		535.	
1307	50.65							
4/15/25								
855	49.22		3.56	4335	5.0		462	

Sample Method: Purge + Return Rate (gpm): ~~—~~ * Flow rate at stabilization (during sample collection)
Time Start: 13:07 4/14/25 Time End: 8 55 4/15/25

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

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

O/G visible: Y / (N)
Equipment Decontaminated: (Y) / N
Turbid? Y / (N)
Decontamination procedure used: Tripple Rinse, Alcknox

Weather: 45°F Sunny
Signature: M. Bell

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: (51.35 - 49.22) = 2.13 1% = 1.917 51.35 - 1.917 = 49.33 min DTW

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 4/14/25 - 4/15/25
Technician: EG/MB
Quarter: 2
Static Water Level (DTW): 61.22
Well ID: GVMW-31
Is well Dry? yes
If so Dry at: 61.22
Well Depth (TD): 61.42 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): _____ 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
* 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: Triple Rinse Alknox

Weather: 45°F Sunny
Signature: M. Bell

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley **Date:** 4/14/25

Technician: EG/MB **Quarter:** 2

Static Water Level (DTW): 66.97 **Well ID:** GVMW-32

Is well Dry? Yes **If so Dry at:** _____ feet **Well Depth (TD):** 67.20

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

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

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

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

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

** See Field Volume Guide*

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

Equipment Decontaminated: (Y) / N

Decontamination procedure used: Tripple Rinse, Alcknox

Weather: 45°F Sunny

Signature: M. Bell

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

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Date: 4/30/25
Technician: J. Crawford
Quarter: 2
Static Water Level (DTW): 64.99
Well ID: GVMW-33
Well Depth (TD): 85.70
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
10:00			3.98	5674	6.0	1.04	440.9	
10:05	66.12	1.13	3.98	5626	5.4	0.53	449.0	
10:10	66.52	0.40	4.00	5605	5.7	0.42	450.1	0.04 gpm
10:15	66.81	0.29	4.00	5590	5.8	0.49	450.5	
10:20	67.01	0.20	3.99	5587	5.9	0.44	448.6	
10:25	67.10	0.09	3.98	5569	6.0	0.43	448.3	
10:30	67.49	0.39	3.98	5566	6.0	0.41	450.2	
								water level
		Total drawdown						did not stabilize
		2.49						

Sample Method: low-flow
Rate (gpm): 0.04 * Flow rate at stabilization (during sample collection)
Time Start: 10:00 Time End: 10:30

Final Parameters	Stabilization Guidance		Met?	Comments
pH	3.98	±0.1	(Y) / N	
Conductivity	5566	3%	(Y) / N	
Temp (deg C)	6.0	3%	(Y) / N	
Dissolved Oxygen	0.41	10%	(Y) / N	
~~Turbidity~~	~~—~~	~~10%~~	~~Y / N~~	
Oxidation/Reduction	450.2	±10	(Y) / N	
DTW Stabilized	67.48	feet	Y / (N)	
Final H2O level	67.48	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) ~2.5
* See Field Volume Guide

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

Weather: 43°, 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:
85.7 − 64.44 = 20.71
20.71 × 0.6528 = 13.52
13.52 × 3 = 40.56

NOTES: Water level never stabilized.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

MB

Location: Grassy Valley Date: ~~4/19/25~~ 4/15/25

Technician: EG & MB Quarter: 2

Static Water Level (DTW): 62.43 Well ID: GVMW-34

Is well Dry? ND. If so Dry at: — Well Depth (TD): 84.30 feet

50ml/11.365

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
	62.42							
1200	63.02	0.60	5.70	4755	6.6	2.33	339.8	0.11 gpm
1205	63.27	0.24	5.75	3741	6.0	2.76	285.7	
1210	63.36	0.09	5.80	3702	6.7	2.72	280.4	
1215	63.35	+0.01	5.79	3719	7.4	2.63	276.3	
1220	63.36	0.01	5.87	3702	6.8	2.34	271.0	
1225	63.36	0.00	5.74	3679	7.0	2.97	258.8	
1230	63.37	0.01	5.79	3680	7.2	1.71	246.8	
1235	63.37	0.00	5.77	3689	7.1	1.52	234.5	
1240	63.37	0.00	5.71	3696	7.1	1.34	223.3	
		Total drawdown						pH / ORP did
		0.94						not stabilize

Sample Method: MB ~~2.11~~ Low Flow Flow rate (gpm): MB ~~0.0~~0.055 Time Start: 1200 Time End: 1240

* 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	63.37	

If Low Flow Met Drawdown greater than 0.33 ft? Y / N If yes, required pump vol (gal): 2.04 Actual vol. pumped (gal) 2.0

* See Field Volume Guide following stabilization

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

Equipment Decontaminated: (Y) / N

Decontamination procedure used: Triple D.I. Alconox

Weather: 45° F ~~Sunny~~ partly Cloudy

Signature: M. Bell

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: 84.30 − 62.42 = (0.0528 · 3) = 42.8 Gall.

0.94 + 0.45 + 0.65 = 2.04

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: ~~Poverty Gulch~~ Grassy Valley
Date: 4/8/25
Technician: J. Crawford
Quarter: 2
Static Water Level (DTW): n/a unable to get it
Well ID: GVMW-35A
Well Depth (TD): 340 feet
Is well Dry? no
If so Dry at: —

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

Sample Method: Grab
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
* 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: Ft. Dedicated Pump

Weather: 35° 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:
$1ft^3 = 7.48\ gal$
$1gal = 3.785\ L$

Show Calculations:
GVMW-35A is frozen

33.93

2000 / 3 / 6 0gal

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

MB

Location: Grassy Valley — Date: ~~4/14/25~~ 4/15/25

Technician: E Garcia & M Buffa — Quarter: 2

Static Water Level (DTW): E6 ~~34.49~~ 34.46 — Well ID: ~~358~~ GVMW-35B

Is well Dry? No — If so Dry at: — — Well Depth (TD): 72.80 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
	34.46							
1040	35.50	1.04	7.23	3946	6.9	1.21	285.4	50ml/20sec
1045	35.70	0.20	7.87	2501	6.10	0.79	256.1	11 11
1050	35.98	0.28	9.01	2269	5.60	0.71	201.5	
1055	36.33	0.35	8.94	2206	6.1	0.67	190.2	
1100	36.43	0.10	8.49	2148	6.3	0.68	190.7	
1105	36.48	0.05	8.94	2162	6.6	0.67	172.6	
1110	36.52	0.04	9.00	2154	6.8	0.67	166.4	
1115	36.56	0.04	8.97	2151	6.5	0.82	160.8	50mL/15sec
		Total Drawdown					★	DO Did not Stabilize
		2.1						

Stabalized WL

5mL 2 — 2.5mL 5

Sample Method: Low flow — Rate (gpm): 50mL/20sec — Time Start: 1040 — Time End: 1115

* 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	36.56	

pump set @ 43 / 0.56 gpm

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N — If yes, required pump vol (gal) following stabilization: 3.9 — Actual vol. pumped (gal): 3.5

* See Field Volume Guide

O/G visible: Y / (N)

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

Decontamination procedure used: Triple Rinse Alknox

Weather: 35°F partly cloudy

Signature: M Buffa

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:** (72.80 - 34.46) = 38.34 * .6528 = 25 * 3 = 75 gallons volumetric; tubing volume (34.46 -) * .6528 H (3/8") ~~[illegible]~~ * 10 * 16.32

2.1 + 0.4 + 1.4 ~ 5 gallons

1 — 5.6 x 5 = 16.8 — .16B

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 4/30/25
Technician: S. Crawford
Quarter: 2
Static Water Level (DTW): 17.48
Well ID: GVMW-36
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 37.79 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
8:28			3.28	6712	4.7	7.12	534.2	
8:27	17.86	0.38	3.50	6674	4.8	5.08	564.1	
8:32	18.22	0.36	3.29	6691	4.9	4.78	521.2	0.14 gpm
8:37	20.05	1.83	3.30	6628	5.0	4.77	520.2	
8:42	20.47	0.42	3.29	6643	4.9	4.68	511.6	
8:47	21.71	1.24	3.29	6564	4.9	4.61	506.9	
8:52	23.38	1.67	3.28	6571	5.0	4.55	503.6	
								water level did not stabilize
		Total drawdown 5.9						

Sample Method: low-flow
Rate (gpm): 0.14 * Flow rate at stabilization (during sample collection)
Time Start: 8:22 Time End: 8:52

Final Parameters	Stabilization Guidance		Met?	Comments
pH	3.28	±0.1	(Y) / N	
Conductivity	6571	3%	(Y) / N	
Temp (deg C)	5.0	3%	(Y) / N	
Dissolved Oxygen	4.5	10%	(Y) / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	503.6	±10	(Y) / N	
DTW Stabilized	23.38	feet	Y / (N)	
Final H2O level	23.38	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) ~4.5
* See Field Volume Guide

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Tripple 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:
h(ft) = 37.79 - 17.48 = 20.31
V = 0.6528 x 20.31 = 13.25
13.25 x 3 = 39.75

Notes: * water level did not Stabilize all other parameters Stabilized.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley **Date:** 4/2/25

Technician: S. Crawford **Quarter:** 2

Static Water Level (DTW): 41.58 **Well ID:** Gumm-37A

Is well Dry? no **If so Dry at:** — **Well Depth (TD):** 201.20 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:56			9.10	520	3.9	4.26	190.7	
1:00	41.58	0	9.16	515.2	3.8	3.89	184.7	
1:00	41.58	0	9.16	513.6	3.9	3.75	179.4	0.11 gpm
1:05	41.58	0	9.14	510.7	4.4	3.50	171.6	
1:10	41.58	0	9.16	511.3	4.3	3.47	168.3	
1:15	41.58	0	9.16	507.6	4.3	3.29	162.2	

Sample Method: low-flow **Rate (gpm):** 0.11 **Time Start:** 12:50 **Time End:** 1:15

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

Final Parameters	Stabilization Guidance		Met?	Comments
pH	9.16	±0.1	(Y) / N	
Conductivity	507.6	3%	(Y) / N	
Temp (deg C)	4.3	3%	(Y) / N	
Dissolved Oxygen	3.29	10%	(Y) / N	
Turbidity	~~—~~	~~10%~~	~~Y / N~~	
Oxidation/Reduction	162.2	±10	(Y) / N	
DTW Stabilized	41.58	feet	Y / N	
Final H2O level	41.58	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) 2.5 gal
** See Field Volume Guide* following stabilization

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

Decontamination procedure used: Tr. Dapple rinse, Alconox

Weather: 29°, Sunny

Signature:

Volume Calculations:

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

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

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

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

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

Show Calculations:

Low-Flow Test Report:

Test Date / Time: 4/2/2025 12:57:19 PM
Project: Grassy Valley (22)
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: 40.06 ft**	**Estimated Total Volume Pumped: 5 gal** **Flow Cell Volume: 130 ml** **Final Flow Rate: 0.05 gal/min** **Final Draw Down: 0.56 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 1109809**

Test Notes:
Use 5 gallon bucket
Temperature did not stabilize due to fluctuations in wind throughout the test.

Weather Conditions:
29 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	
4/2/2025 12:57 PM	00:00	7.16 pH	4.27 °C	472.34 µS/cm	2.08 mg/L	112.5 mV	40.06 ft	0.05 gal/min
4/2/2025 1:02 PM	05:00	7.27 pH	4.85 °C	467.63 µS/cm	1.87 mg/L	33.8 mV	40.45 ft	0.05 gal/min
4/2/2025 1:07 PM	10:00	7.36 pH	4.66 °C	470.86 µS/cm	1.77 mg/L	-11.4 mV	40.49 ft	0.05 gal/min
4/2/2025 1:12 PM	15:00	7.37 pH	4.95 °C	471.13 µS/cm	1.85 mg/L	-36.8 mV	40.53 ft	0.05 gal/min
4/2/2025 1:17 PM	20:00	7.45 pH	5.77 °C	0.00 µS/cm	5.00 mg/L	-20.4 mV	40.54 ft	0.05 gal/min
4/2/2025 1:22 PM	25:00	7.31 pH	5.78 °C	476.05 µS/cm	2.92 mg/L	23.5 mV	40.57 ft	0.05 gal/min
4/2/2025 1:27 PM	30:00	7.31 pH	6.20 °C	478.62 µS/cm	2.04 mg/L	-15.5 mV	40.58 ft	0.05 gal/min
4/2/2025 1:32 PM	35:00	7.32 pH	6.05 °C	470.80 µS/cm	2.15 mg/L	-0.2 mV	40.58 ft	0.05 gal/min
4/2/2025 1:37 PM	40:00	7.31 pH	6.56 °C	470.83 µS/cm	2.13 mg/L	14.9 mV	40.60 ft	0.05 gal/min
4/2/2025 1:42 PM	45:00	7.29 pH	6.70 °C	450.78 µS/cm	2.16 mg/L	33.1 mV	40.61 ft	0.05 gal/min
4/2/2025 1:47 PM	50:00	7.31 pH	6.12 °C	454.09 µS/cm	2.05 mg/L	43.1 mV	40.62 ft	0.05 gal/min
4/2/2025 1:52 PM	55:00	7.32 pH	6.38 °C	453.27 µS/cm	1.97 mg/L	45.9 mV	40.62 ft	0.05 gal/min
4/2/2025 1:57 PM	01:00:00	7.32 pH	6.59 °C	445.95 µS/cm	1.88 mg/L	46.5 mV	40.62 ft	0.05 gal/min

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Date: 4/30/25
Technician: J. Crawford
Quarter: 2
Static Water Level (DTW):
Well ID: OSTBH-12
Is well Dry? yes
If so Dry at: 39
Well Depth (TD): 39 feet

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

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

Final Parameters	Stabilization Guidance		Met?	Comments
pH		±0.1	Y / N	
Conductivity		3%	Y / N	
Temp (deg C)		3%	Y / N	
Dissolved 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: Tripple rinse, Air knife

Weather: 43° 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:**

Notes: well is dry.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley **Date:** 4/30/25

Technician: J. Crawford **Quarter:** 2

Static Water Level (DTW): ~~~~ **Well ID:** OSA BH-14

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

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

Dry

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

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

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

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

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

Decontamination procedure used: Tripple rinse, AlConox

Weather: 43° 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:**

notes: well is dry.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 4/14/25 - 4/15/25
Technician: EG/MB
Quarter: 2
Static Water Level (DTW): 36.06
Well ID: OSABH-16
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 40.40 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
4/14/25								
1413			3.34	5872	8.9		558	TDS - 4774
1420	39.40							
4/15/25								
823	36.24		3.37	6005	5.0		515	

Sample Method: Purge + Return
Rate (gpm): — * Flow rate at stabilization (during sample collection)
Time Start: 1420 4/14/25
Time End: 823 4/15/25

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

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

O/G visible: Y / (N)
Equipment Decontaminated: (Y) / N
Turbid? Y / N
Decontamination procedure used: Tripple Rinse Alcknox

Weather: 45°F Sunny
Signature: M. Bley

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:
(40.40 - 36.24) = 4.16 4060 = 3744
40.40 - 3744 = 36.656 min DTW

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Cripple Creek Valley
Date: 4/9/25
Technician: S. Crawford
Quarter: 2
Static Water Level (DTW): 15.04
Well ID: CCSTBH-17
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 30.35 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:50			2.78	19213	6.4	1.53	523.8	
11:55	15.21	0.17	2.80	19199	6.1	0.43	524.0	
12:00	15.21	0.00	2.83	19125	6.5	0.13	523.6	0.05 gpm
12:05	15.21	0.00	2.87	19026	6.6	0.18	523.7	
12:10	15.21	0.00	2.85	19002	6.5	0.29	526.5	
		Total Drawdown						
		0.17						

Sample Method: Low Flow
Rate (gpm): 0.05 * Flow rate at stabilization (during sample collection)
Time Start: 11:50 Time End: 12:10

Final Parameters	Stabilization Guidance		Met?	Comments
pH	2.85	±0.1	(Y) / N	
Conductivity	19002	3%	(Y) / N	
Temp (deg C)	6.5	3%	(Y) / N	
Dissolved Oxyge	0.29	10%	(Y) / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	526.5	±10	(Y) / N	
DTW Stabilized	15.21	feet	(Y) / N	
Final H2O level	15.21	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) ~1.25

O/G visible: Y / (N)
Turbid? (Y) / N
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse, 4 liters

Weather: 47° F, Sunny
Signature:

Volume Calculations:

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

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

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

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley **Date:** 4/30/25

Technician: J Cranford **Quarter:** 2

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):** — **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: Tripple rinse, Alconox

Weather: 43° 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:**

Notes: well is dry.

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

Location: RB-0402 **Date:** 4/2/25

Technician: J. Cranford **Quarter:** 2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
2:35	4.87	9.82	8.70	181.9	—

Sample Method: grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 31°F, Partly cloudy

Signature: [signature]

Comments / Notes:

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

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

Location: Seep - 01 **Date:** 4/28/25

Technician: MB/EG **Quarter:** 2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
1215					

Sample Method: Grab

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 38° F partly cloudy

Signature: M. Bell

Comments / Notes:

Dry!

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

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

Location: Seep-02 **Date:** 4/29/25

Technician: MB/EG **Quarter:** 2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
12:30	2.52	15.62	13.8	472	

Sample Method: Grab

Oil/Gas visible [Y (N)]

Turbid [Y (N)]

Clear [Y (N)]

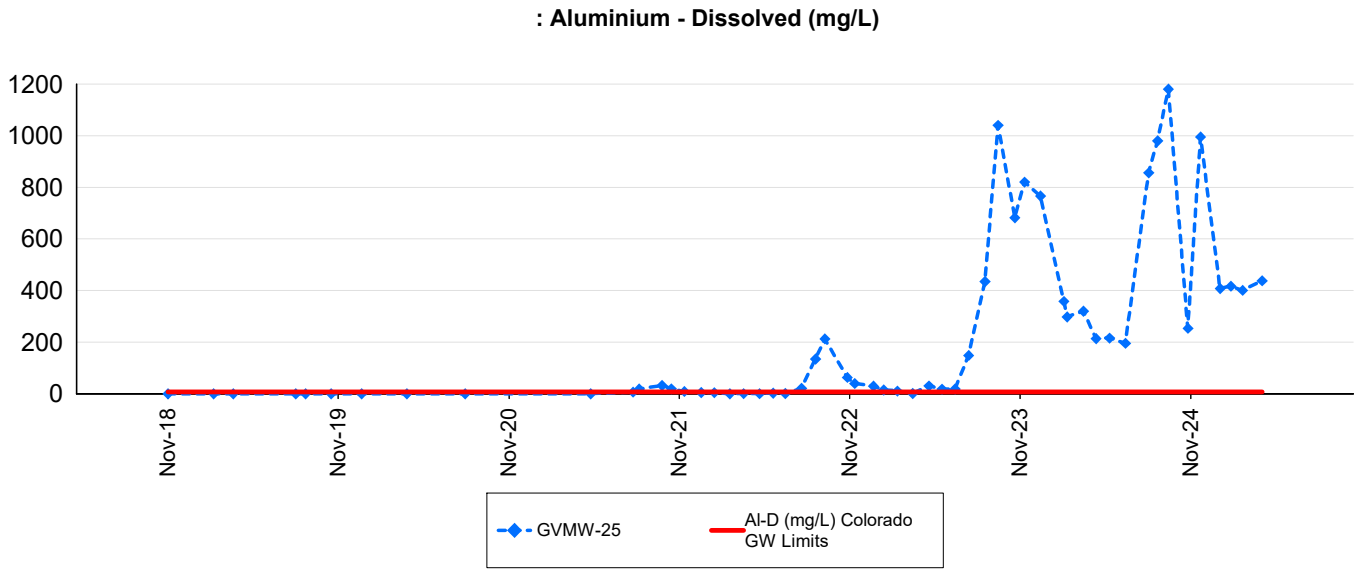
Weather: 38°F partly Cloudy

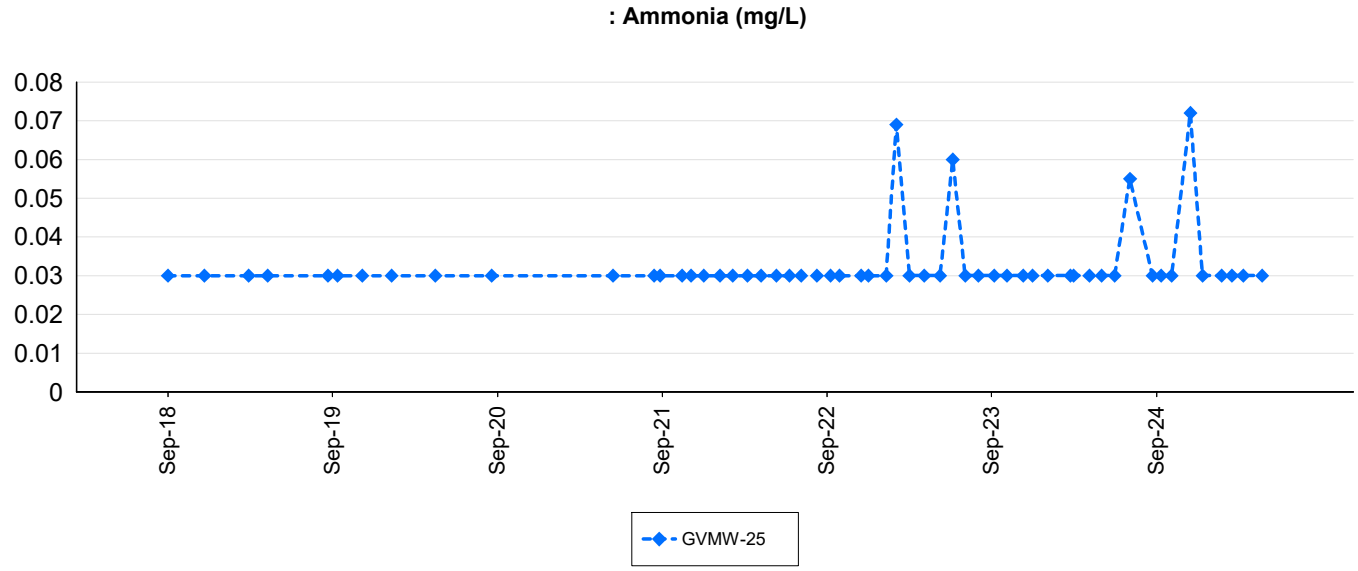
Signature: M. Bell

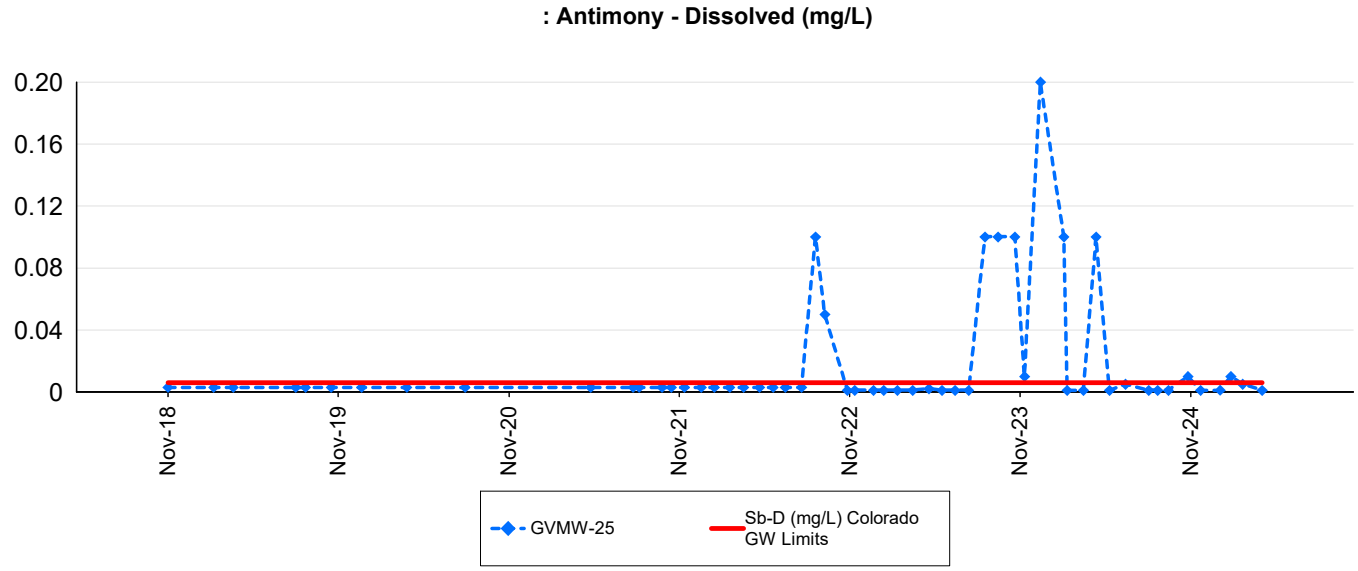
Comments / Notes:

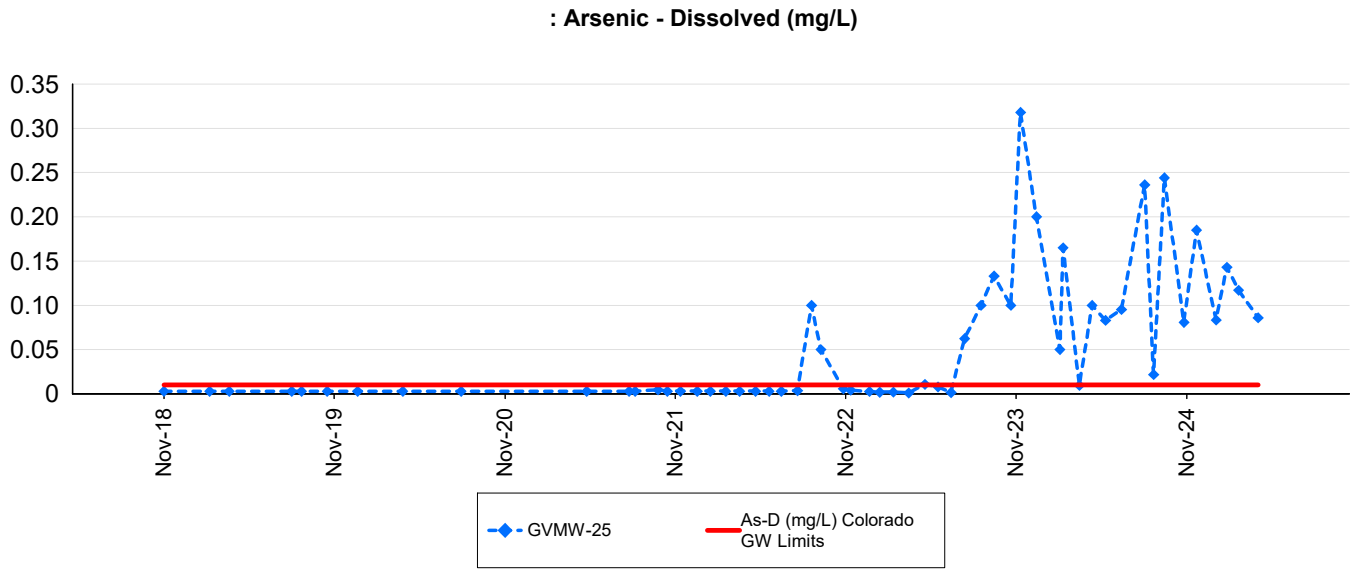
* *Field Parameters (pH, Conductivity, Temperature, ORP and Chlorine) must be analyzed within 15 minutes of sample collection*

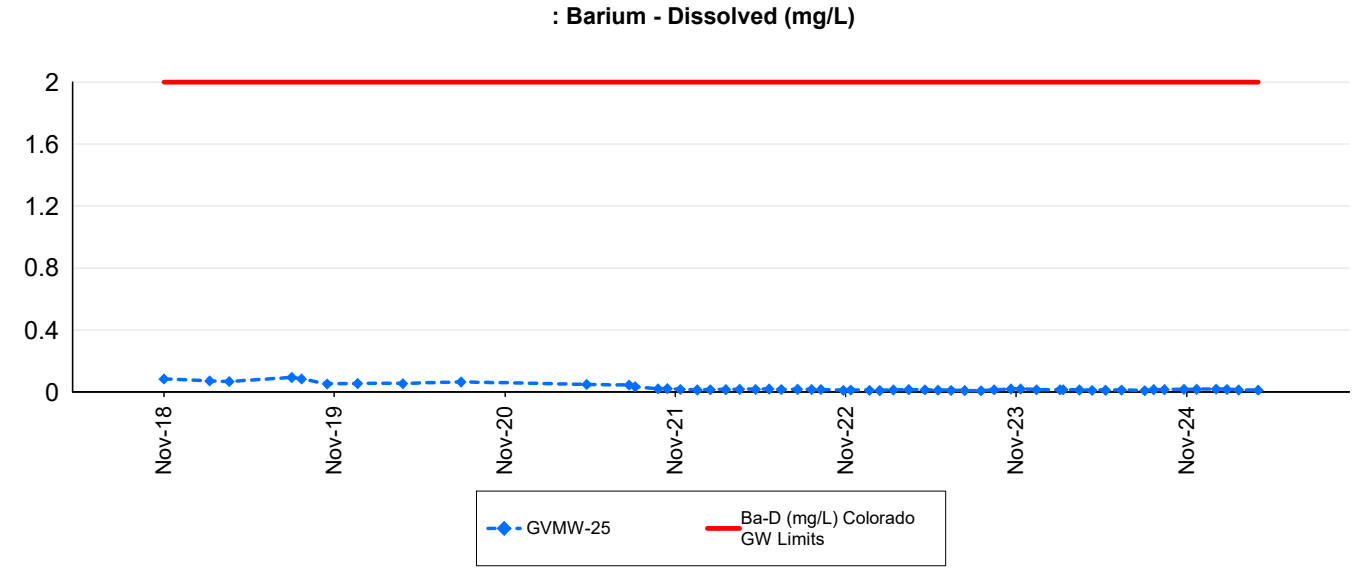
Attachment 4
GVMW-25 Historical Graphs

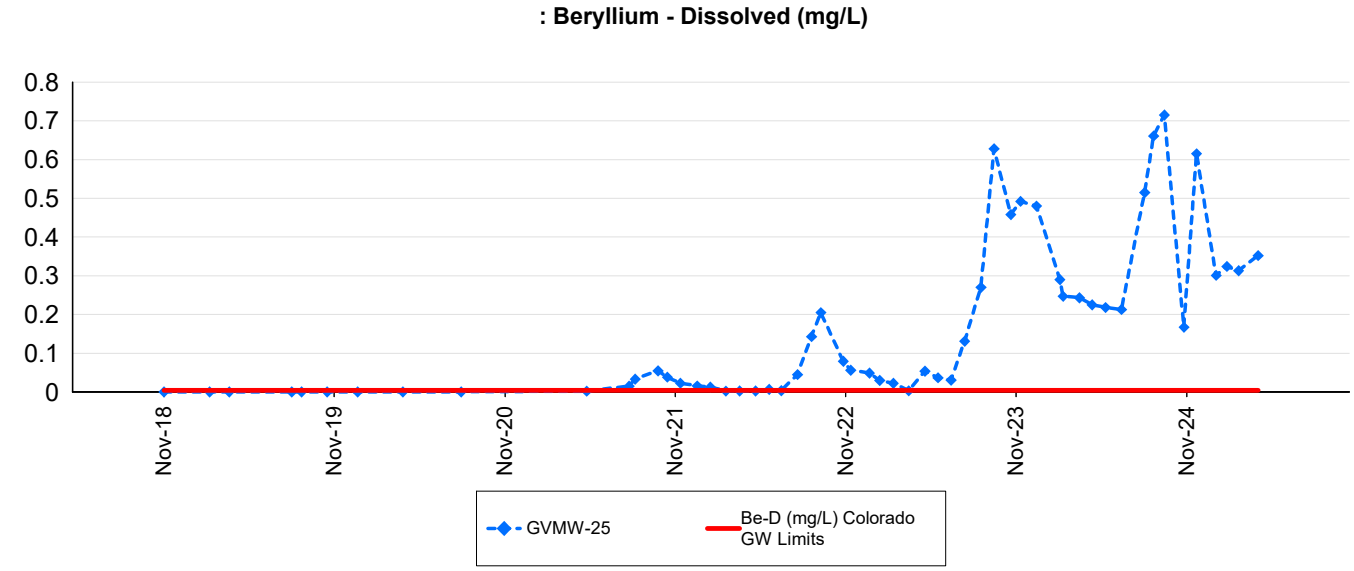




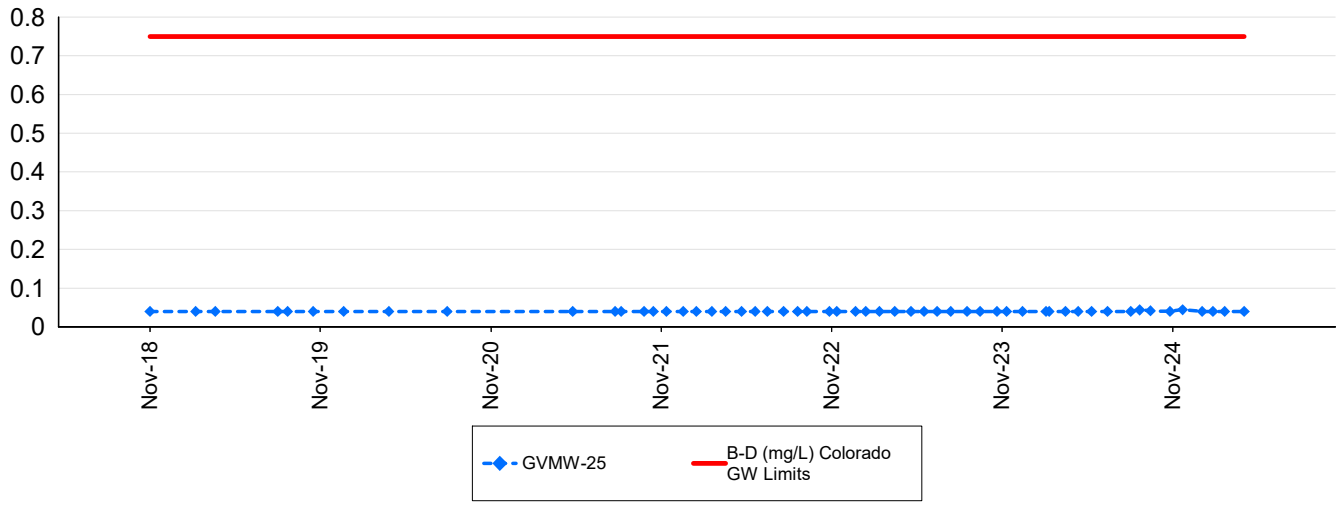




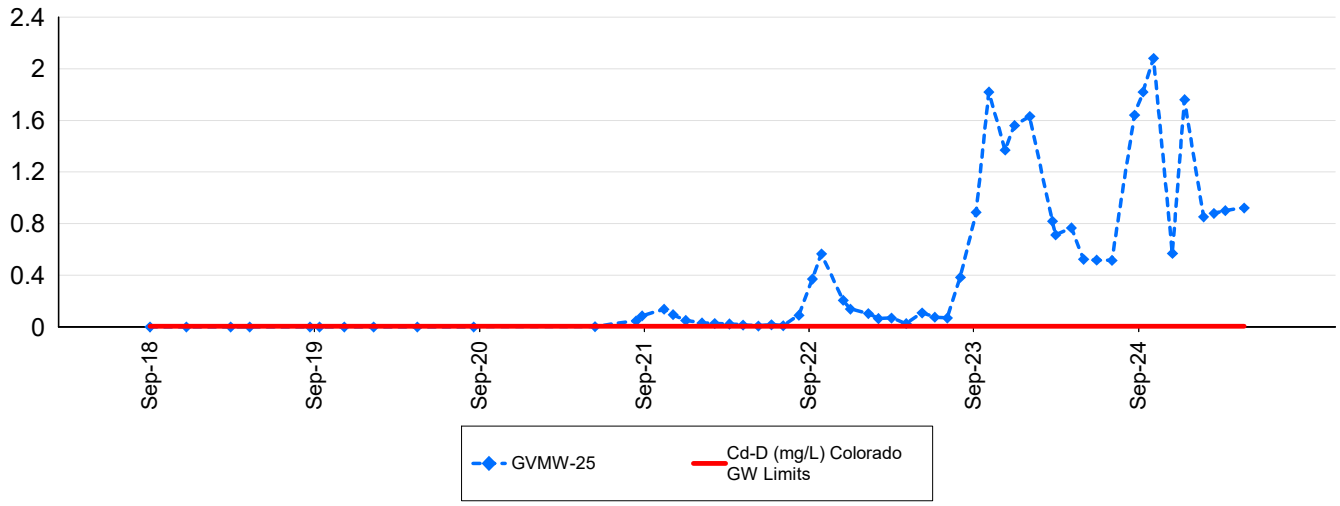




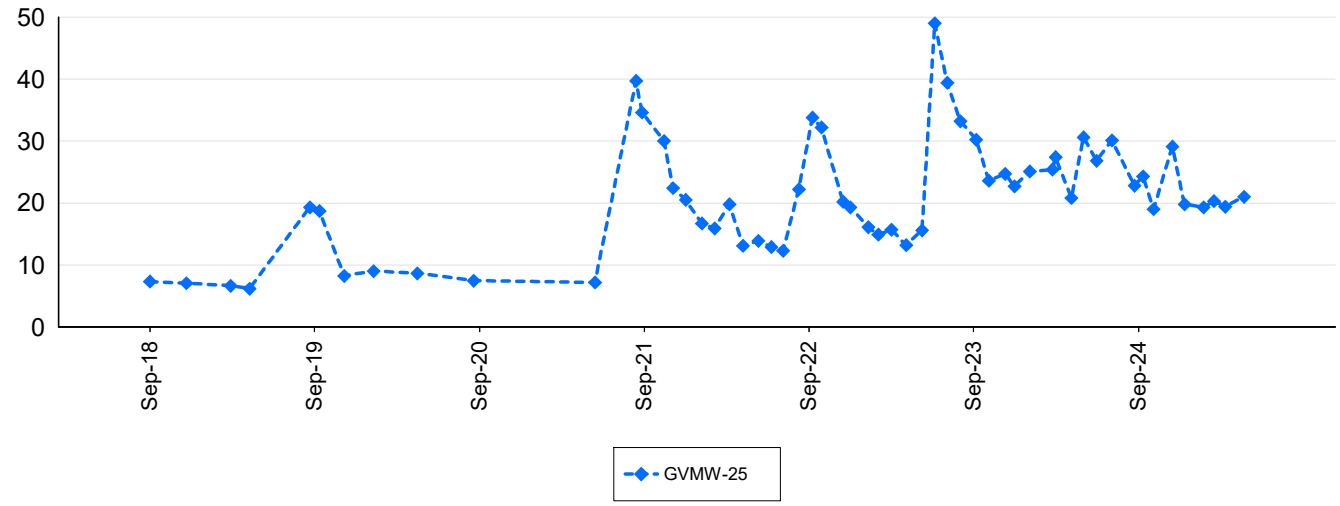
: Boron - Dissolved (mg/L)

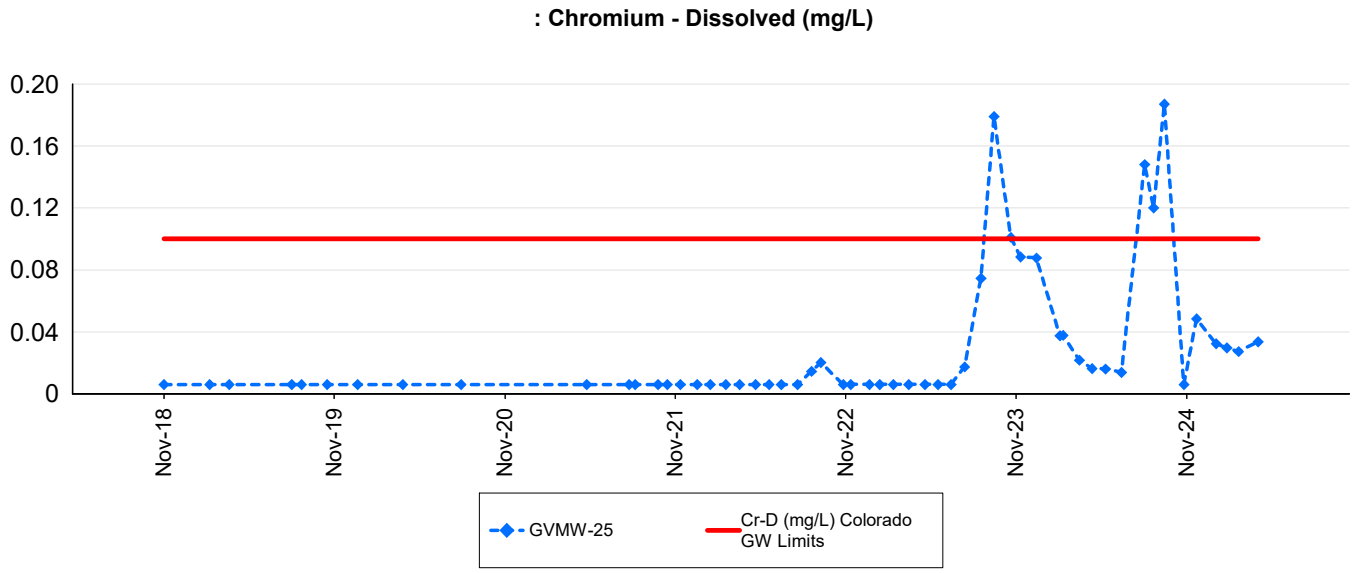


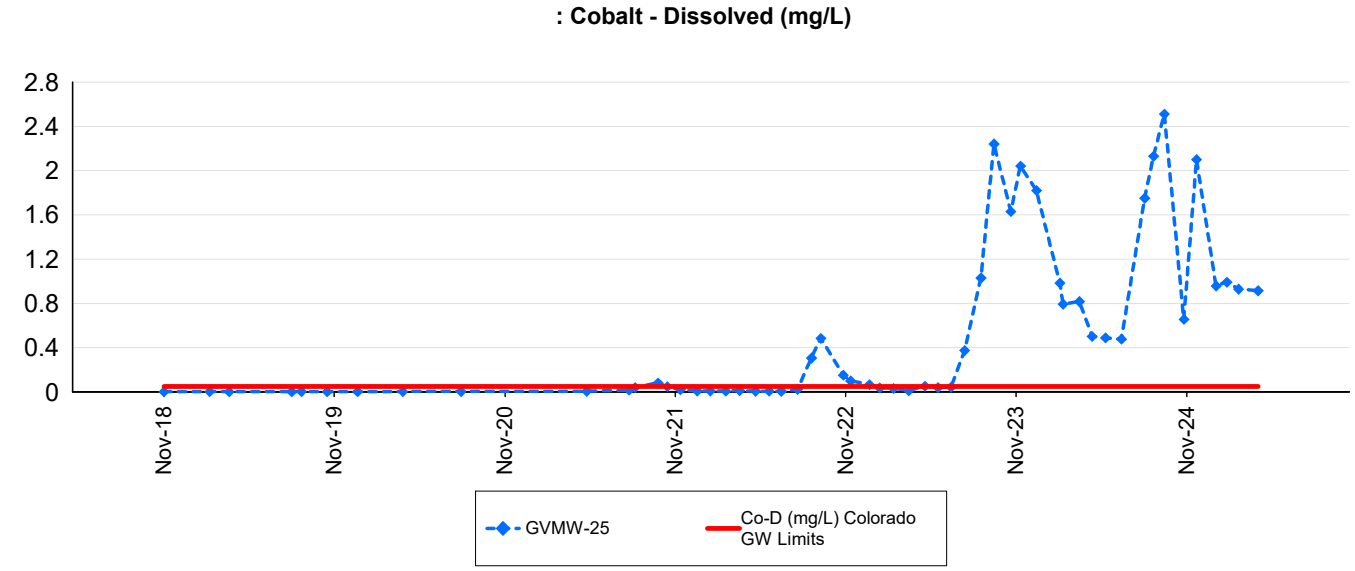
: Cadmium - Dissolved (mg/L)

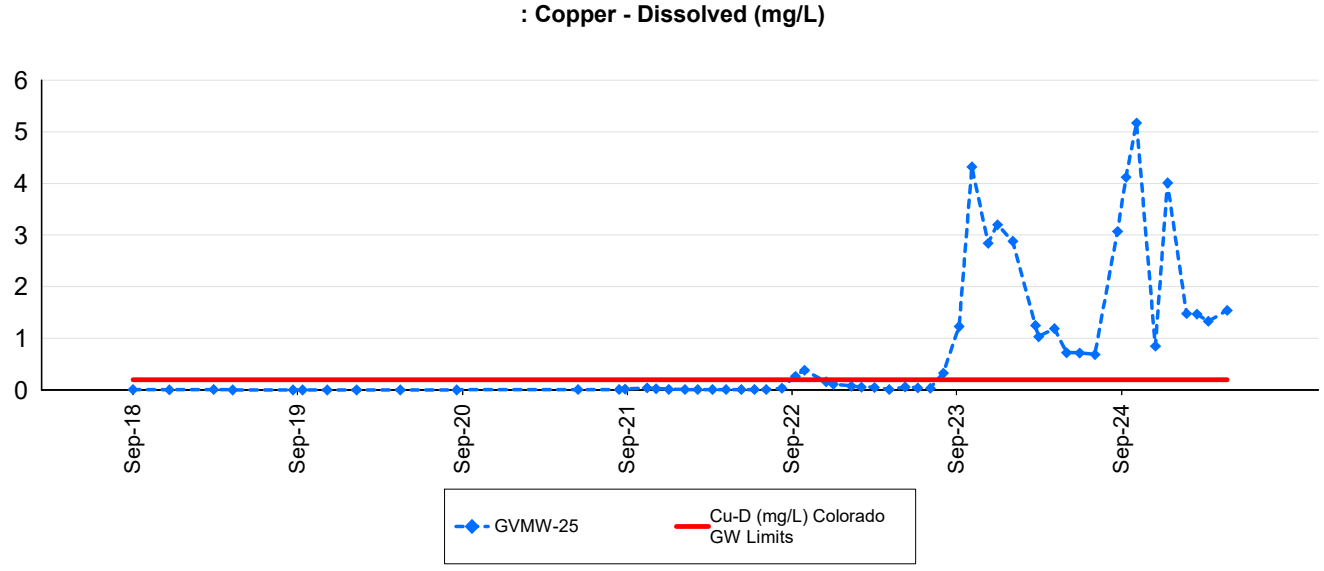


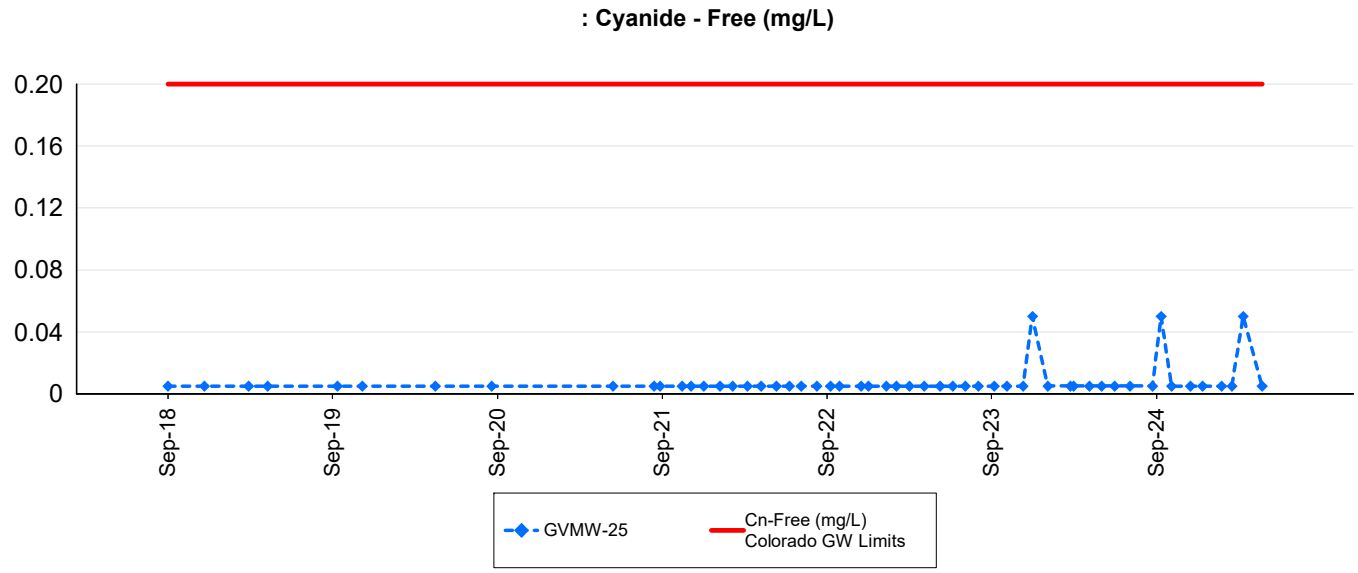
: Chloride - Total (mg/L)

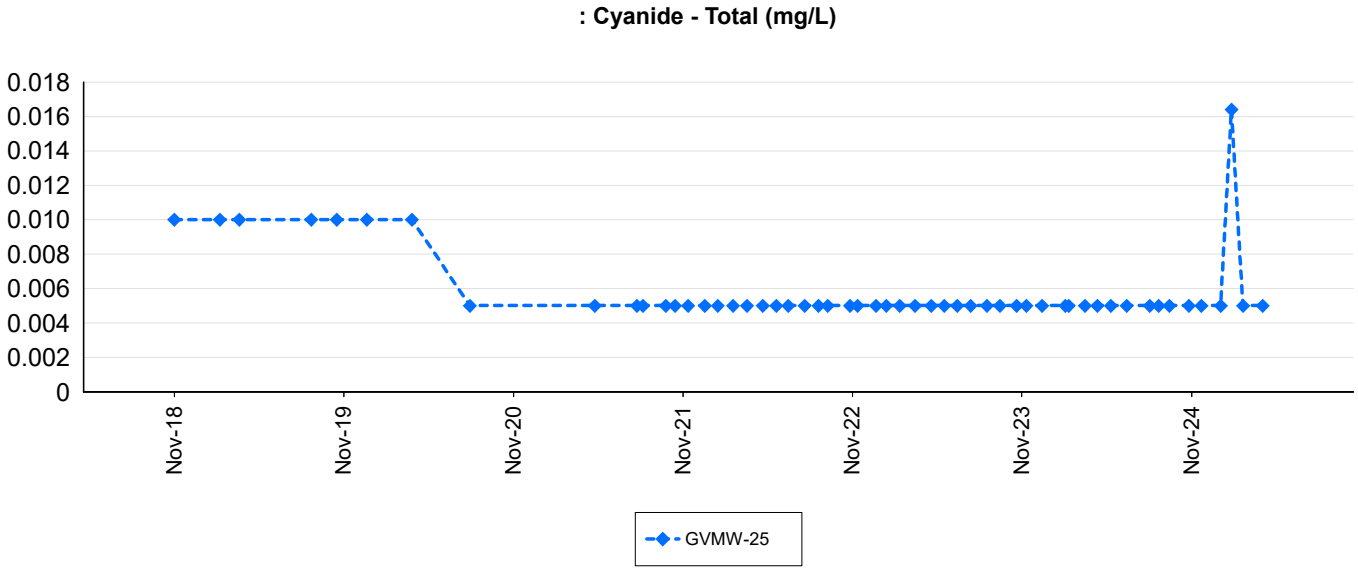


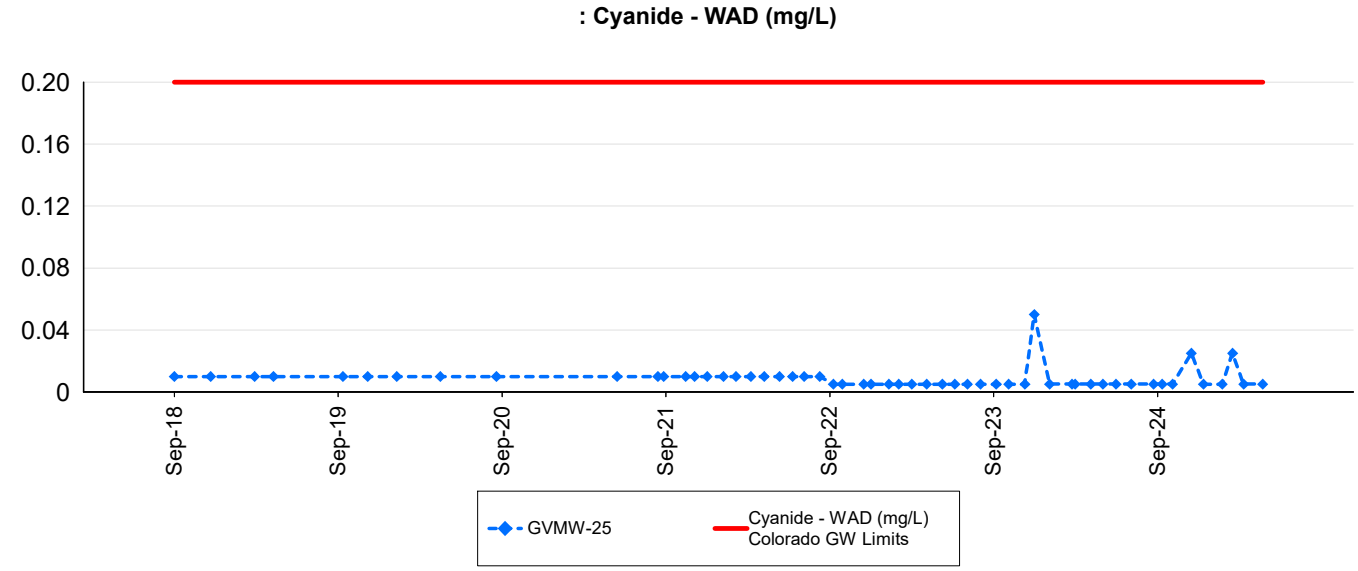


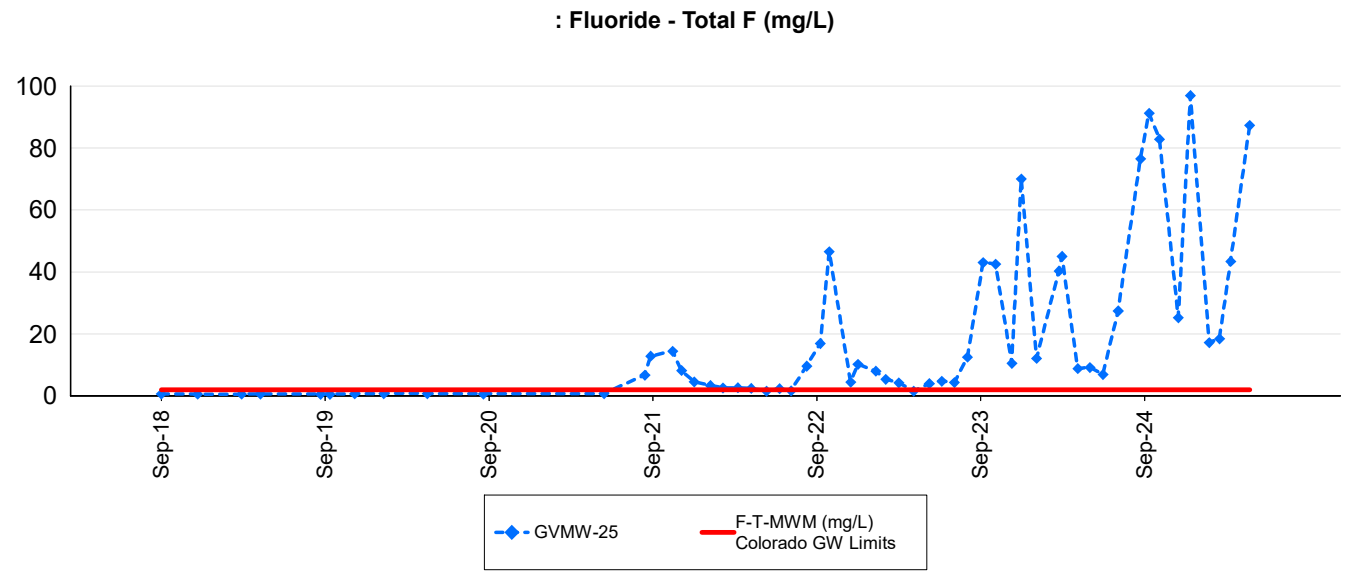


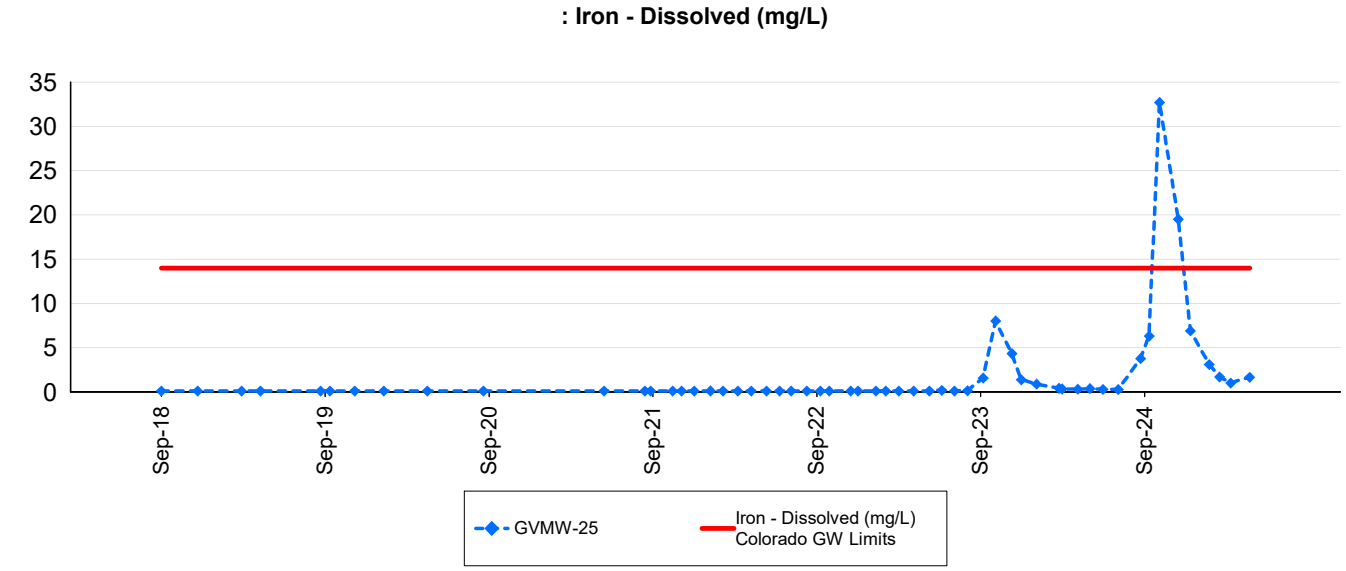


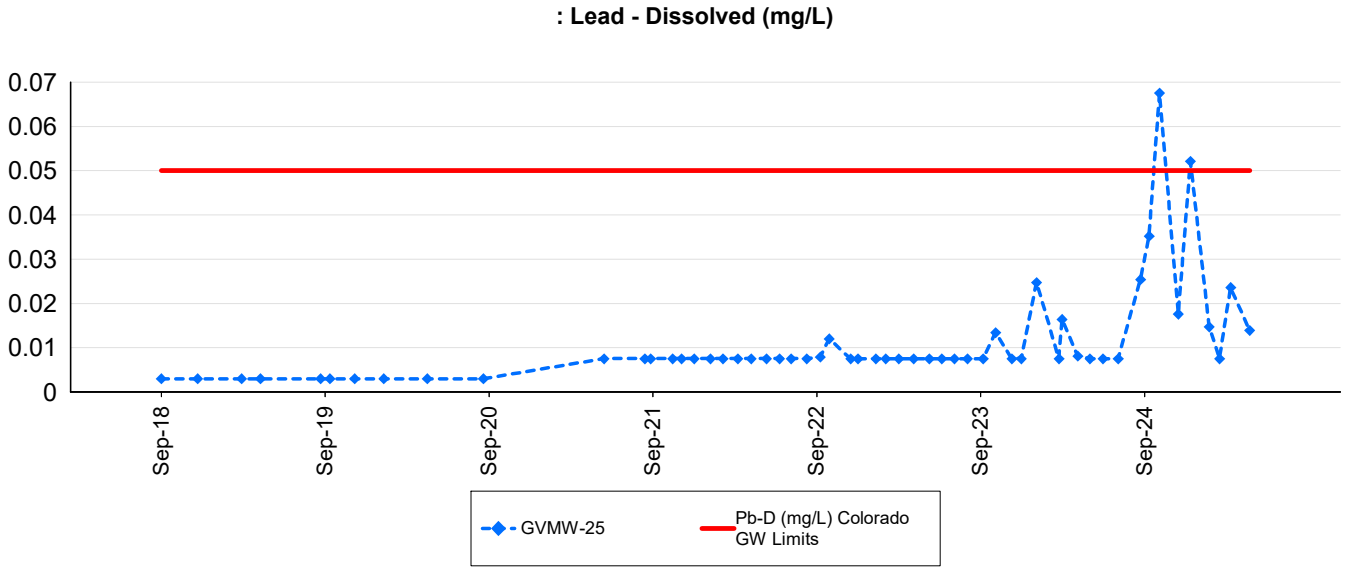




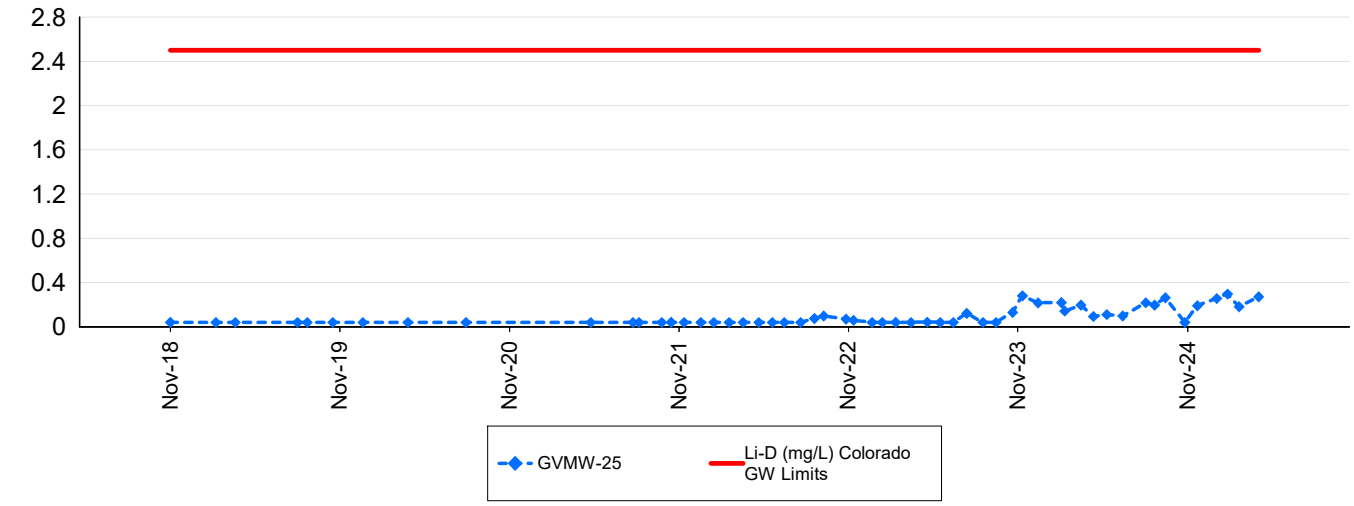




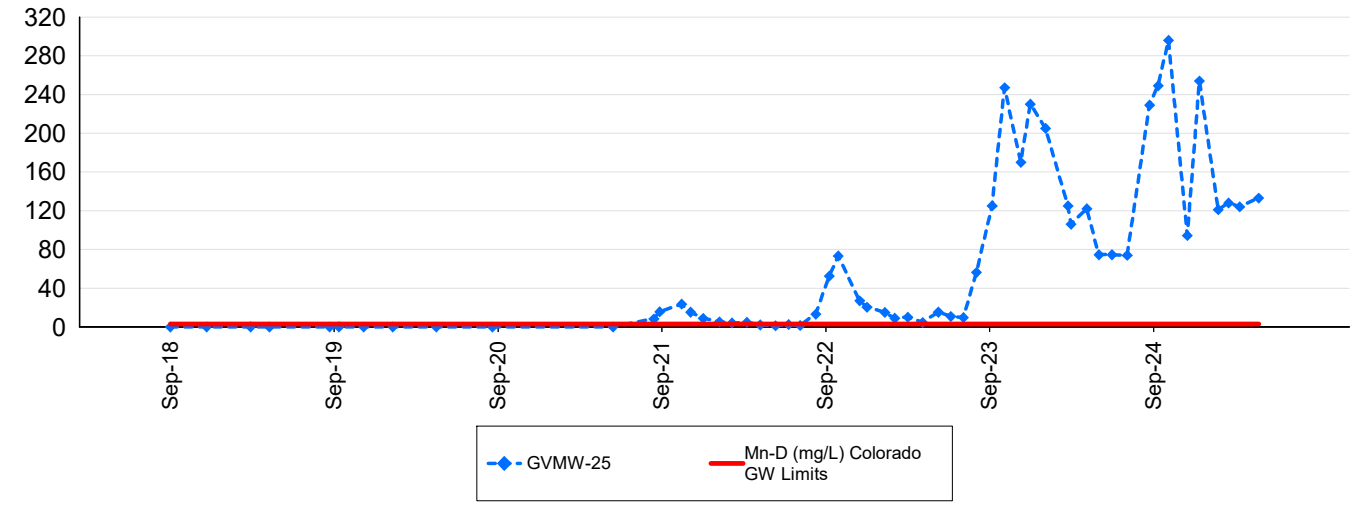




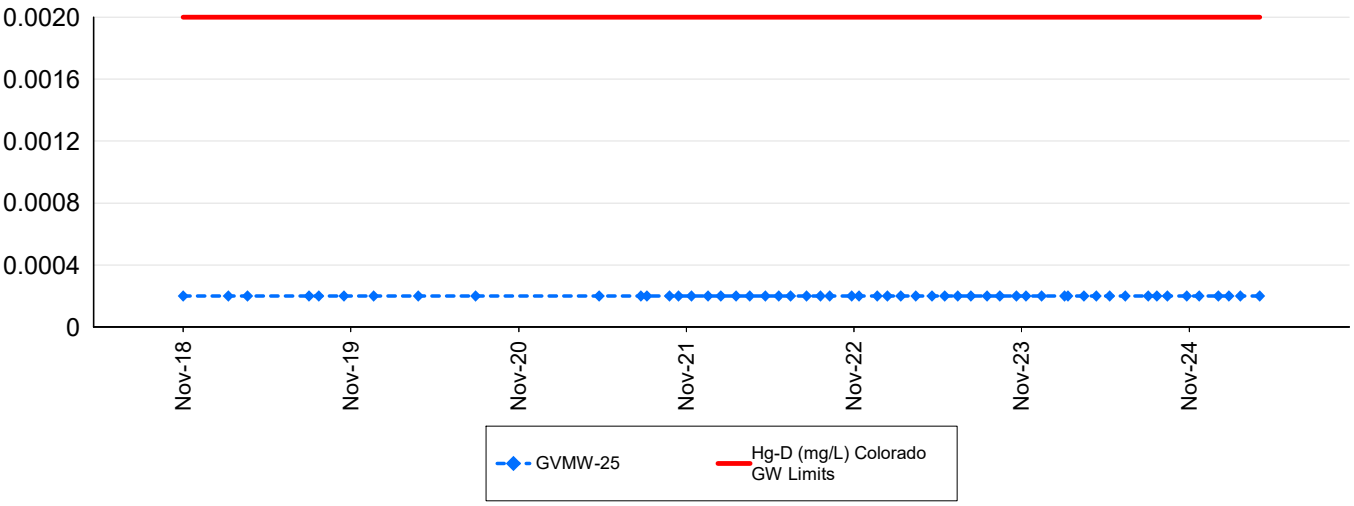
: Lithium - Dissolved (mg/L)



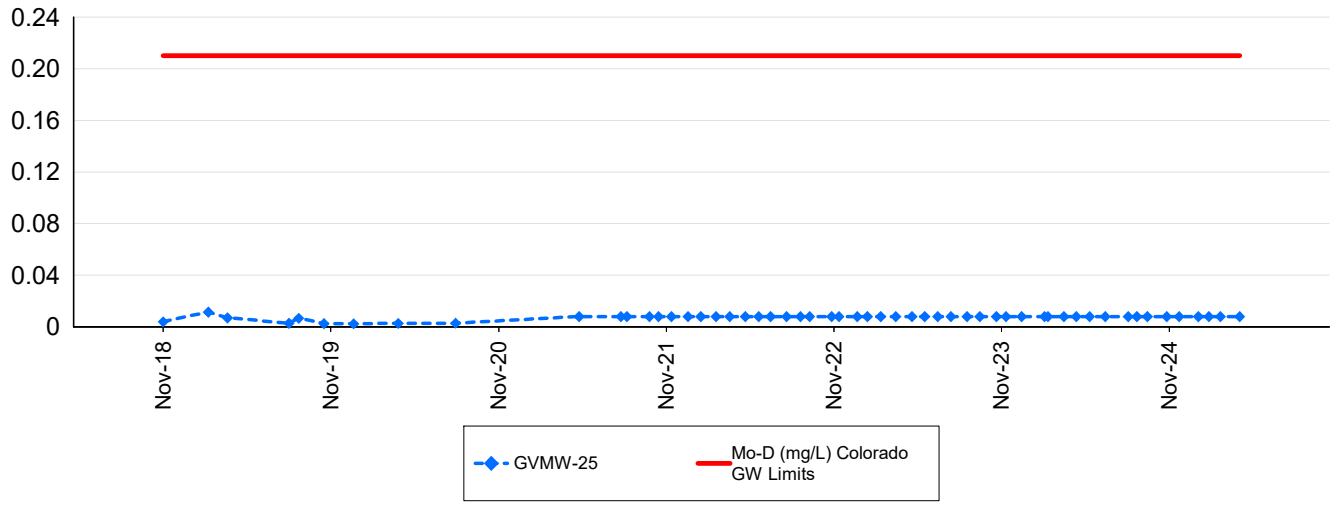
: Manganese - Dissolved (mg/L)



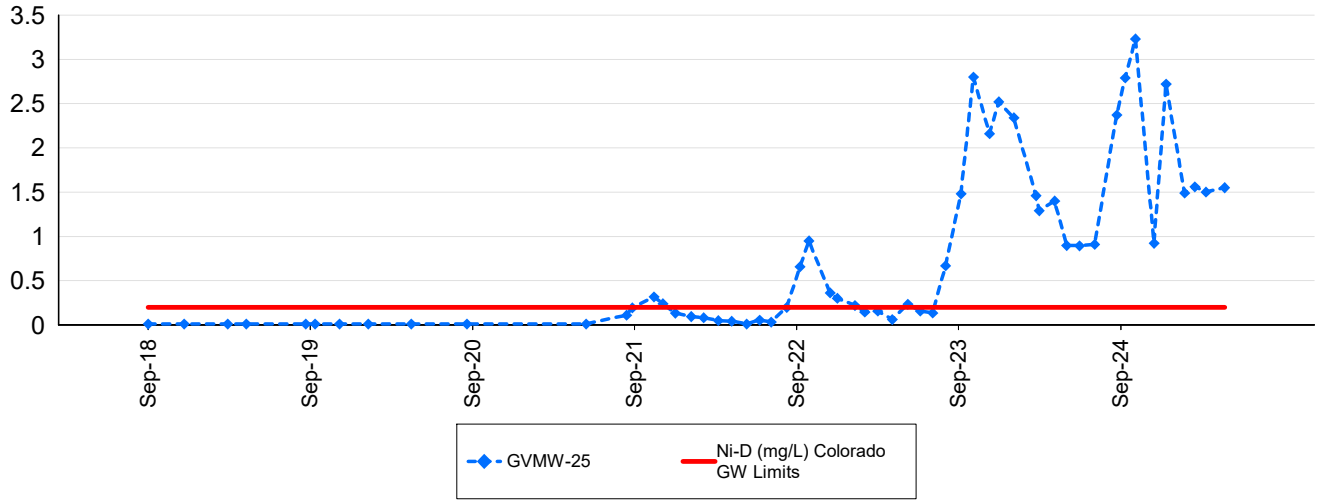
: Mercury - Dissolved (mg/L)



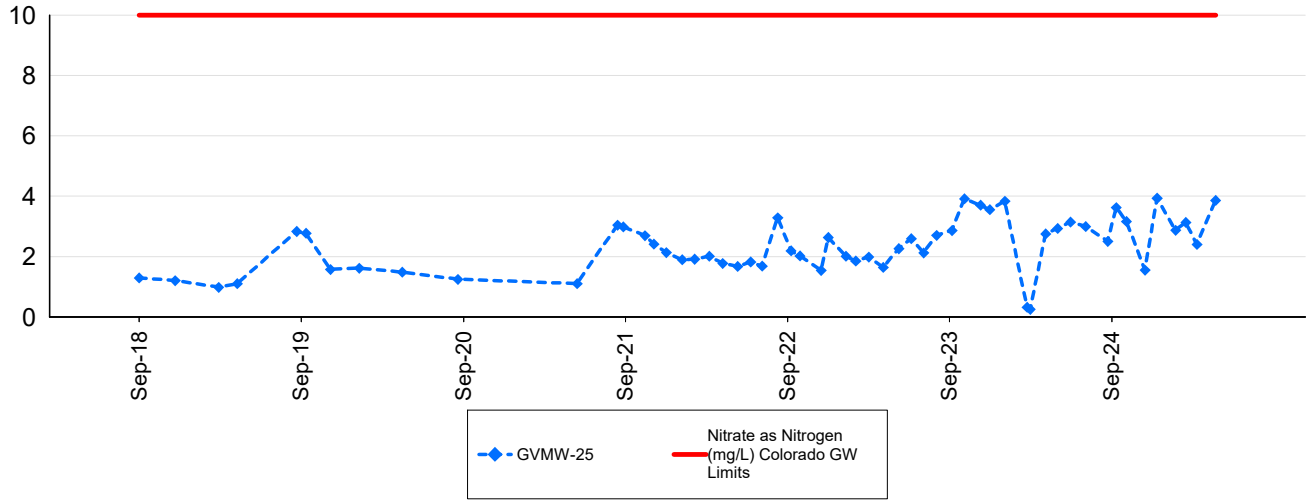
: Molybdenum - Dissolved (mg/L)



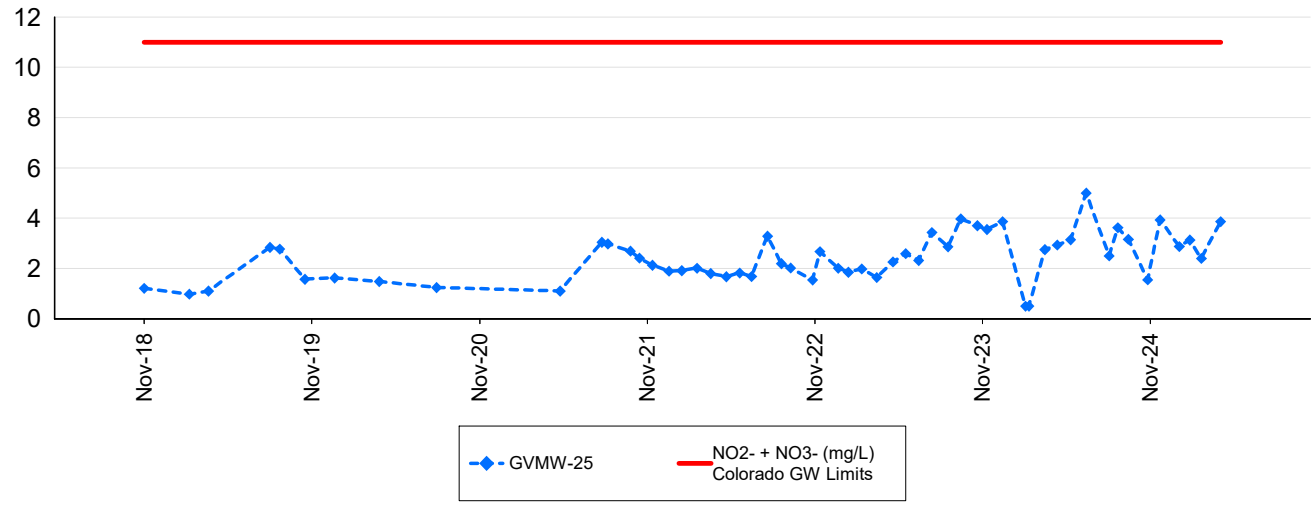
: Nickel - Dissolved (mg/L)



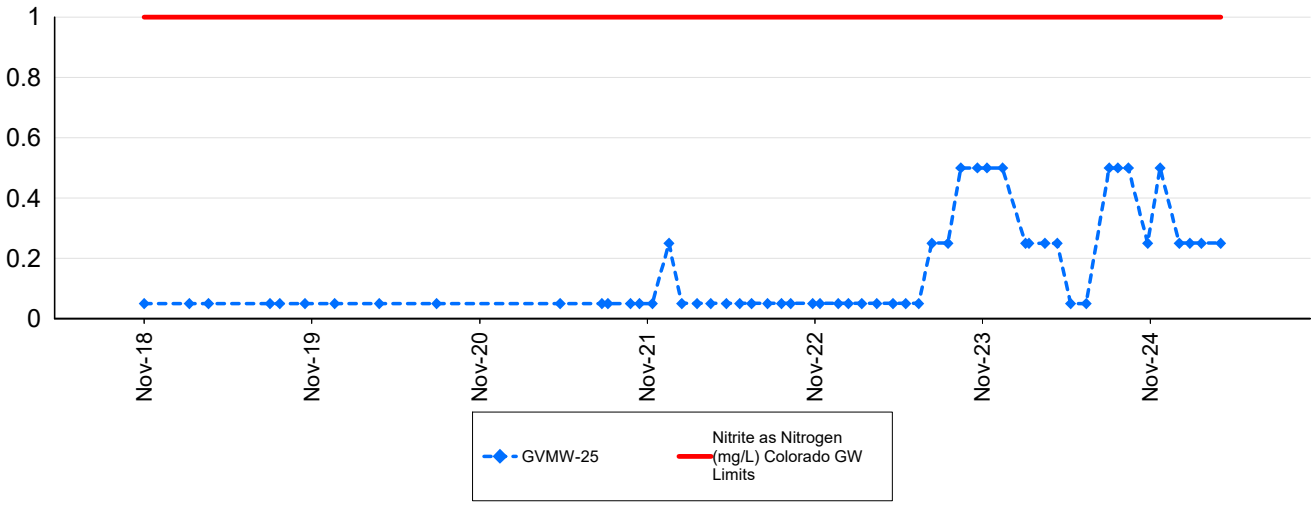
: Nitrate as Nitrogen (mg/L)



: Nitrite + Nitrate as Nitrogen (mg/L)



: Nitrite as Nitrogen (mg/L)



: pH Field (pH unit)