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May 28, 2024

SENT VIA EMAIL

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

Re: Monthly Grassy Valley April 2024 Report Submission, May 28, 2024

Dear Mr. Russell,

Newmont Corporation's Cripple Creek & Victor Gold Mining Company (CC&V) hereby provides the Grassy Valley Monthly Monitoring Report, as required by the Division of Reclamation Mining and Safety (Division), beginning in the fourth quarter 2021. The monthly monitoring report has been expanded in response to the Corrective Actions Required; Grassy Valley GVMW-25 Monthly Sampling August 2022 issued to the Division on September 30, 2022. The monthly monitoring has been further expanded in response to the Additional Information Required and Issuance of Corrective Action, Grassy Valley Groundwater and Surface Water Monitoring Report September 2023, dated November 22, 2023. Data within this report has been collected as outlined in the Grassy Valley Monthly Monitoring Plan, approved as TR-132 by the Division on March 10, 2023. Additional information requested by DRMS on March 13, 2024 in the *Additional Surface Water Monitoring Locations* request is included in this report.

METHODOLOGY

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

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

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

- GVMW-10 had insufficient water to be sampled.
- GVMW-15C and GVMW-24B were dry and were thus not able to be sampled.
- OSABH-12, 14, 16, and 18 were dry and were thus not able to be sampled.
- EMP-020 was dry and thus not able to be sampled.

Groundwater Level Measurements

Prior to the collection of groundwater samples, depth to groundwater was measured using a Geotech™ water level indicator. The water level indicator was decontaminated with Alconox™ soap

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and rinsed with de-ionized water prior to each measurement to prevent cross contamination.

Groundwater Sampling

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

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

Surface Water Sampling

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

QA/QC Samples

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

RESULTS

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

DISCUSSION

Observed groundwater quality data continues to show similar trends to previously recorded data with constituent concentrations peaking around October, then declining throughout the year. Observed impacts of waste rock seepage from the East Cresson Overburden Storage Area (ECOSA) at GVMW-25 and OSABH-17 are consistent with previously reported data. Other potential seepage impacts to groundwater were observed in GVMW-15B (metals, sulfate, and low pH), located at the toe of the ECOSA close to its northern extent. The composition of the April 2024 samples is consistent with prior conditions.

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Graphs of the trends in various analytes at the GVMW-25 monitoring location are presented in Attachment 4. In general, results at the GVMW-25 location showed similar concentrations of most analytes in April 2024 compared to prior months. Arsenic, chloride, chromium, fluoride, lead, sodium, sulfate, and thallium all show decreases in concentration compared to the March 2024 results. Aluminum, cadmium, cobalt, copper, lithium, manganese, nickel, nitrate/nitrite, pH, selenium, uranium, and vanadium concentrations in April 2024 are slightly higher than the March 2024 results. Ammonia, antimony, boron, cyanide, mercury, molybdenum, and silver concentrations were below laboratory reporting limits. Barium, beryllium, zinc and are consistent with previous results.

Water quality monitoring results from wells GVMW-15B and OSABH-17 were consistent with previous records and suggest waste rock seepage continues to be present in shallow groundwater near the toe of the ECOSA at its northern extent. At the shallow interval in GVMW-15B (total depth 102 feet bgs) the groundwater exceeded applicable standards for beryllium, cobalt, iron, nickel, pH, and sulfate. GVMW-8B and GVMW-22B recorded exceedances for fluoride during the monitoring period, consistent with previous sampling results.

At the deeper well GVMW-15A the groundwater exceeded the applicable standard for dissolved iron. It should be noted that the sounded depth of the well (682 ft. bgs) is above the well completion report documented screen interval therefore, the pump could not be placed at the mid screen depth to collect samples. Water level stabilization was not achieved during sample collection and the purged water was noted to have a rust color. CC&V hypothesizes that the water within the casing of GVMW-15A may be semi-stagnant based and the low-flow results in dewatering of the well.

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

Flowing water was observed at the GV-02, GV-03, and GV-06 monitoring locations in April of 2024 and samples were collected. Monitoring location GV-02 exceeded applicable standards for pH, dissolved cadmium, dissolved manganese, and dissolved zinc. Monitoring location GV-03 exceeded applicable standards for phosphorus, dissolved cadmium, and dissolved zinc. Monitoring location GV-06 exceeded applicable standards for phosphorus, dissolved and total iron, and dissolved manganese. Results from water sampling at EMP-16 recorded exceedances for aluminum, cadmium, cobalt, manganese, and pH. Results from water sampling at EMP-17a recorded exceedances for pH, and results from EMP-17b recorded exceedances for aluminum, cadmium, cobalt, fluoride, iron, manganese, pH, uranium, and zinc. Results from the April 2024 surface water sampling are generally consistent with previous results.

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

Sincerely,

DocuSigned by:
Katie Blake
5A3D013B629844B...

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

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

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

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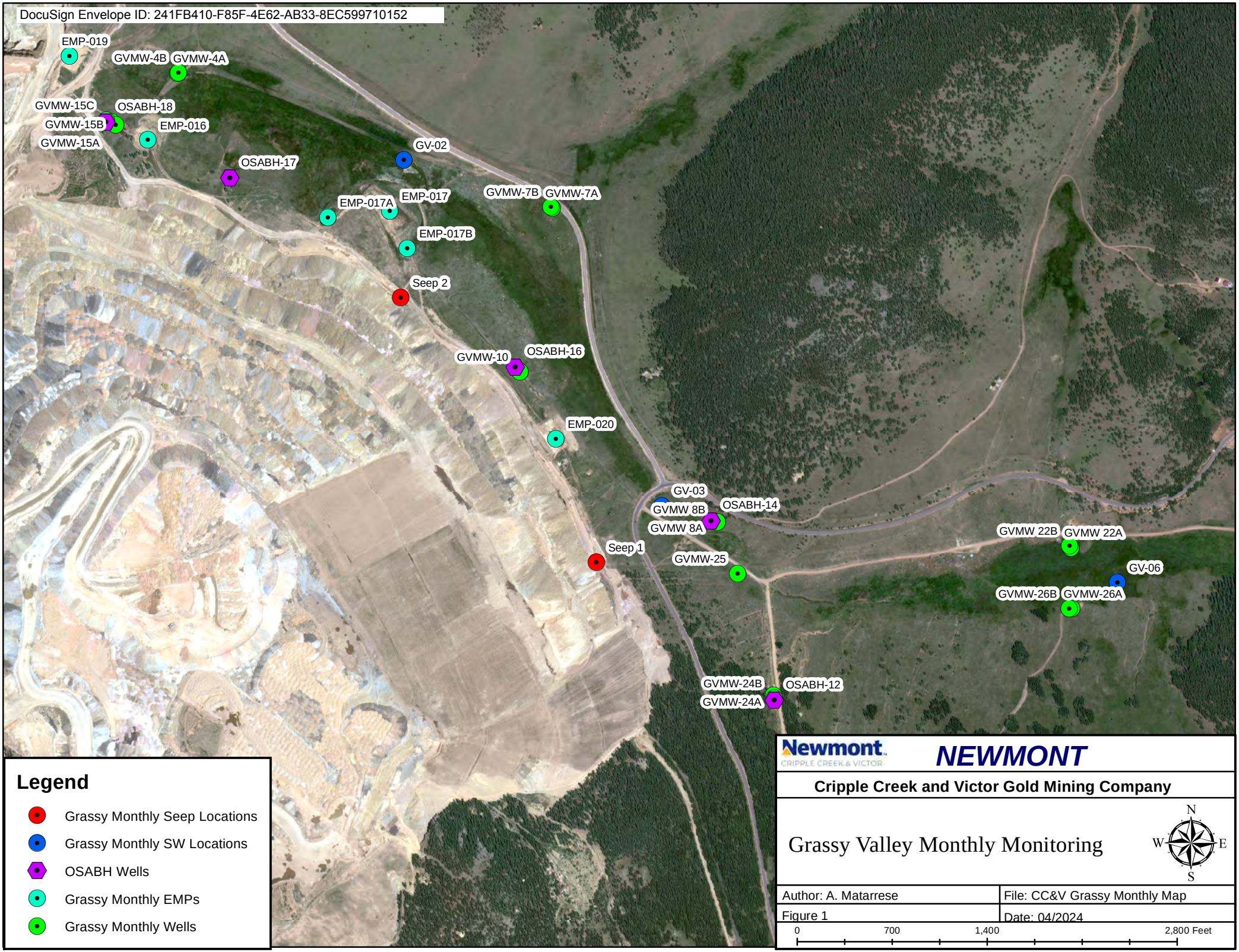
Figures



Legend

- Grassy Monthly Seep Locations
- Grassy Monthly SW Locations
- OSABH Wells
- Grassy Monthly EMPs
- Grassy Monthly Wells

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Cripple Creek and Victor Gold Mining Company

Grassy Valley Monthly Monitoring

N W E S

Author: A. Matarrese	File: CC&V Grassy Monthly Map
Figure 1	Date: 04/2024

0 700 1,400 2,800 Feet

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Tables

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

Monitoring Location	Date Monitored	Status
GVMW-4A	4/24/2024	Sampled
GVMW-4B	NA	P&A
GVMW-7A	4/4/2024	Sampled
GVMW-7B	4/4/2024	Sampled
GVMW-8A	4/4/2024	Sampled
GVMW-8B	4/4/2024	Sampled
GVMW-10	4/18/2024	dry at 245.5' bgs
GVMW-15A	4/10/2024	Sampled
GVMW-15B	4/4/2024	Sampled
GVMW-15C	4/2/2024	dry at 440' bgs.
GVMW-22A	4/3/2024	Sampled
GVMW-22B	4/3/2024	Sampled
GVMW-24A	4/28/2024	Sampled
GVMW-24B	4/28/2024	dry at 100' BTOC
GVMW-25	4/10/2024	Sampled
GMVW-26A	4/3/2024	Sampled
GVMW-26B	4/3/2024	Sampled
OSABH-12	4/3/2024	dry at 39' bgs
OSABH-14	4/4/2024	dry at 28.7' bgs
OSABH-16	4/18/2024	dry at 40.2' bgs
OSABH-17	4/10/2024	Sampled
OSABH-18	4/2/2024	dry at 51.1' bgs
Ecosa Seep-1	4/30/2024	Sampled
Ecosa Seep-2	4/30/2024	Sampled
GV-02	4/16/2024	Sampled
GV-03	4/16/2024	Sampled
GV-06	4/15/2024	Sampled
EMP-016	4/30/2024	Sampled
EMP-017	4/30/2024	Sampled
EMP-017A	4/30/2024	Sampled
EMP-17B	4/30/2024	Sampled
EMP-020	4/30/2024	Dry

Notes:

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

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

ANALYTE	Reg 41 TVS	Site Wide NPL	UNIT	Well I.D.	GVMW-4A	GVMW-7A	GVMW-7B	GVMW-8A*	GVMW-8B	GVMW-15A	GVMW-15B	GVMW-22A	GVMW-22B	GVMW-24A	GVMW-25	GMVW-26A	GVMW-26B	OSABH-17	Seep-1	Seep-2	EMP-16	EMP-17	EMP-17A	EMP-17B
				Sample Date	4/24/2024	4/4/2024	4/4/2024	4/4/2024	4/4/2024	4/10/2024	4/4/2024	4/3/2024	4/3/2024	4/28/2024	4/10/2024	4/3/2024	4/3/2024	4/10/2024	4/30/2024	4/30/2024	4/30/2024	4/30/2024	4/30/2024	4/30/2024
Aluminium - Dissolved	5	**7**	mg/L		<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	0.452	<0.080	<0.080	<0.080	**320**	<0.080	<0.080	**3,750**	**2,870**	**467**	**9.64**	0.089	1.02	**16.9**
Ammonia	NA	NA	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.300	0.159	<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	<0.100	<0.100	<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	0.00147	0.00953	<0.00100	<0.00100	0.00119	**0.248**	**0.298**	<0.00100	<0.00100	<0.00100	<0.00100
Barium - Dissolved	**2**	NA	mg/L		0.199	0.159	0.0518	<0.0020	0.0065	0.0556	0.0161	0.0505	0.112	0.0589	0.0127	0.197	0.12	<0.0200	<0.0400	0.0236	0.0487	0.0351	0.0484	0.0323
Beryllium - Dissolved	**0.004**	NA	mg/L		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.0371**	<0.00200	<0.00200	<0.00200	**0.243**	<0.00200	<0.00200	**0.669**	**0.514**	**0.0399**	0.00281	<0.00200	<0.00200	0.00264
Boron - Total	**0.75**	NA	mg/L		<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.400	<0.800	<0.400	<0.0400	<0.0400	<0.0400	<0.0400
Cadmium - Dissolved	**0.005**	**0.005**	mg/L		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0024	<0.0020	<0.0020	<0.0020	**0.767**	<0.0020	<0.0020	**7.8**	**11.2**	**2.7**	**0.0264**	0.0045	<0.0020	**0.091**
Chloride - Total	**250**	NA	mg/L		3.94	5.99	79.5	65.2	25.8	1.5	0.89	11.30	4.42	4.96	20.8	1.5	1.87	24.6	<10.0	<1.00	3.58	2.37	1.29	1.77
Chromium - Dissolved	**0.1**	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0217	<0.0060	<0.0060	**0.821**	**0.938**	**0.12**	<0.0060	<0.0060	<0.0060	<0.0060
Cobalt - Dissolved	**0.05**	NA	mg/L		0.0118	<0.0060	0.0085	0.0074	<0.0060	0.0157	**0.0733**	0.0082	<0.0060	<0.0060	**0.816**	0.0067	<0.0060	**17.8**	**10.9**	**1.44**	**0.112**	0.0093	0.01	**0.0613**
Copper - Dissolved	**0.2**	**0.2**	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	0.0234	<0.0100	<0.0100	<0.0100	<0.0100	0.0132	**1.19**	<0.0100	<0.0100	**15.2**	**11.7**	**6.33**	0.0881	<0.0100	<0.0100	0.085
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	<0.0100	<0.0500	<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	0.025	0.0101	<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	<0.0100	<0.0500	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoride - Total F	**2**	**2**	mg/L		0.163	0.928	0.43	1.82	**2.20**	0.276	0.386	0.338	**2.09**	0.813	**8.81**	1.85	0.216	**461**	**25.4**	**72.1**	1.95	1.07	1.57	**9.21**
Iron - Dissolved	0.3	**14**	mg/L		7.52	1.1	<0.100	<0.100	<0.100	**30.2**	**20.5**	<0.100	<0.100	0.536	0.303	<0.100	<0.100	**161**	**987**	**339**	0.834	<0.100	0.274	**0.911**
Lead - Dissolved	**0.05**	NA	mg/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	0.0474	<0.0075	<0.0075	0.0105	0.0081	<0.0075	<0.0075	<0.0750	<0.150	<0.0750	<0.0075	<0.0075	<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	0.066	0.196	<0.040	<0.040	**2.59**	0.805	<0.400	<0.040	<0.040	<0.040	<0.040
Manganese - Dissolved	0.05	**3**	mg/L		1.98	0.220	0.0355	0.0112	0.0087	1.67	1.33	0.012	<0.0080	0.592	**122**	0.0178	<0.0080	**1,140**	**1,330**	**201**	**5.95**	1.58	2.06	**13**
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	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Molybdenum - Dissolved	**0.21**	NA	mg/L		<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0083	0.0517	<0.0080	<0.0080	<0.0080	<0.0800	<0.160	<0.0800	<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	0.0497	**0.112**	<0.0100	<0.0100	<0.0100	**1.40**	<0.0100	<0.0100	**15.5**	**11**	**0.824**	0.0853	<0.0100	<0.0100	0.059
Nitrate as Nitrogen	**10**	**10**	mg/L		<0.050	<0.050	0.367	1.22	2.13	<0.050	<0.050	0.913	<0.050	<0.050	2.75	<0.050	0.578	7.34	8.8	0.562	0.339	0.058	0.076	<0.050
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		<0.100	<0.100	0.367	1.22	2.13	<0.100	<0.100	0.913	<0.100	<0.100	2.75	<0.100	0.578	<10.0	8.8	0.585	0.38	<0.100	<0.100	<0.100
Nitrite as Nitrogen	**1**	**1**	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.250	<0.050	<0.050	<5.00	<2.50	<0.250	<0.050	<0.050	<0.050	<0.050
pH Field	6.5-8.5	**6.0-8.5**	pH units		6.46	7.26	7.52	6.87	6.46	6.39	**4.36**	7.63	6.46	8.05	**4.03**	7.67	6.2	**2.9**	**2.54**	**2.63**	**4.02**	6.19	**5.32**	**4.29**
Selenium - Dissolved	0.02	**0.024**	mg/L		<0.00100	<0.00100	**0.00162**	<0.00100	<0.00100	<0.00100	<0.00100	**0.00127**	<0.00100	<0.00100	**0.0278**	<0.00100	<0.00100	0.00235	<0.100	<0.100	<0.00100	<0.00100	<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	<0.0500	<0.100	<0.0500	<0.0050	<0.0050	<0.0050	<0.0050
Sodium - Dissolved	NA	NA	mg/L		8.55	9.19	12.8	24.4	24.8	11.6	12.3	17.2	37.6	103	38.9	31	10.1	12.7	40.4	<5.00	3.29	13.1	1.28	13.9
Sulfate - Total	**250**	NA	mg/L		50.6	18.1	152	59.6	109	163	**262**	68	34.3	472	**4,430**	13	21.7	**30,300**	**28,400**	**4,660**	**272**	210	77.7	**557**
Thallium - Dissolved	**0.002**	NA	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.00100	<0.000200	<0.000200	<0.000200	<0.0200	<0.0200	<0.000200	<0.000200	<0.000200	<0.000200
Total Dissolved Solids	NA	NA	mg/L		215	196	486	261	299	299	436	217	227	835	7,480	174	102	40,900	40,200	7,180	489	293	114	773
Uranium - Dissolved	**0.03**	NA	mg/L		<0.000100	**0.00410**	0.0295	**0.00496**	**0.00230**	<0.000100	0.0041	0.000695	0.0036	0.00969	**1.25**	0.00353	0.000112	**0.148**	**10.8**	**3.85**	0.017	0.00094	0.000165	**0.0432**
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	**0.0119**	<0.0050	<0.0050	<0.0500	<0.100	<0.0500	<0.0050	<0.0050	<0.0050	<0.0050
Zinc - Dissolved	**2**	**2**	mg/L		0.0144	<0.0100	<0.0100	<0.0100	<0.0100	0.1490	1.45	<0.0100	<0.0100	0.0373	**28.6**	<0.0100	<0.0100	**293**	**166**	**114**	1.51	0.169	0.117	**5.43**

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

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newmont.com

Attachment 1

Surface Water Calculations

GV-02

Sample Date: 4/16/2024

Data for Calculations:		
pH	6.3	std units
Hardness	152	mg/L
Temperature	0.4	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-02 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	**6.3**
Temperature (^{o}C)	< 21.7	< 17	0.4
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	6.815738715	34.70522988	0.1
Boron	0.750	---	<0.0400
Chloride	250.000	---	11.7
Chlorine	0.011	0.019	-
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	0.825
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.100
Sulfate	250.000	---	164
Phosporus	0.110	---	0.076
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00200
Arsenic (T)*	---	0.00300	<0.00100
Cadmium	0.00265	0.00098	**0.00288**
Cadmium (T)	0.00500	---	0.00317
Chromium (III)	---	0.10443	<0.0160
Chromium (III) (T)	0.05000	---	<0.0120
Hexavalent Chromium	0.01600	0.01100	<0.0100
Copper	0.01994	0.01281	0.00196
Iron	---	0.30000	0.155
Iron (T)	---	1.00000	0.194
Lead	0.10156	0.00396	<0.00040
Lead (T)	0.05000	---	<0.00020
Manganese	3.43254	1.89648	**3.21**
Mercury (T)	---	0.00001	<0.000093
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.66728	0.07411	0.0375
Nickel (T)	---	0.10000	0.0323
Selenium	0.01840	0.00460	<0.00200
Silver	0.00417	0.00015	<0.000160
Uranium	0.01680	0.01680	<0.000200
Zinc	0.23415	0.17735	**0.748**

* 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-03

Sample Date: 4/16/2024

Data for Calculations:		
pH	6.71	std units
Hardness	69.1	mg/L
Temperature	1.2	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-03 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	6.71
Temperature (^{o}C)	< 21.7	< 17	1.2
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	6.429	29.598	0.105
Boron	0.750	---	<0.0400
Chloride	250.000	---	6.72
Chlorine	0.011	0.019	-
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	0.455
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.100
Sulfate	250.000	---	71.4
Phosporus	0.110	---	**0.186**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)*	---	0.00300	<0.00100
Cadmium	0.00127	0.00054	**0.000746**
Cadmium (T)	0.00500	---	0.000852
Chromium (III)	---	0.05476	<0.0100
Chromium (III) (T)	0.05000	---	<0.0160
Hexavalent Chromium	0.01600	0.01100	<0.0100
Copper	0.00949	0.00653	0.00212
Iron	---	0.30000	<0.100
Iron (T)	---	1.00000	0.364
Lead	0.04309	0.00168	<0.000200
Lead (T)	0.05000	---	0.00051
Manganese	2.63981	1.45850	0.645
Mercury (T)	---	0.00001	<0.000093
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.34250	0.03804	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00107	0.00004	<0.00008
Uranium	0.01680	0.01680	<0.000100
Zinc	0.11433	0.08659	**0.107**

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

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

- Invalid results, past regulatory hold time

GV-06

Sample Date: 4/15/2024

Data for Calculations:		
pH	6.57	std units
Hardness	76.4	mg/L
Temperature	2.1	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-06 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	6.57
Temperature (^{o}C)	< 21.7	< 17	2.1
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	6.598	31.701	0.082
Boron	0.750	---	<0.0400
Chloride	250.000	---	5.13
Chlorine	0.011	0.019	-
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	0.722
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.040
Sulfate	250.000	---	18
Phosporus	0.110	---	**0.166**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)*	---	0.00300	<0.00100
Cadmium	0.00139	0.00059	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.05945	<0.0110
Chromium (III) (T)	0.05000	---	<0.0160
Hexavalent Chromium	0.01600	0.01100	<0.0100
Copper	0.01043	0.00712	0.00088
Iron	---	0.30000	**0.74**
Iron (T)	---	1.00000	**2.19**
Lead	0.04812	0.00188	<0.00020
Lead (T)	0.05000	---	0.00091
Manganese	2.72961	1.50812	**1.89**
Mercury (T)	---	0.00001	0.00000536
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.37287	0.04141	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00128	0.00005	<0.000061
Uranium	0.01680	0.01680	0.000533
Zinc	0.12526	0.09487	<0.0100

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

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

- Invalid results, past regulatory hold time

Newmont
NORTH AMERICA

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Attachment 2

Laboratory Analytical Data

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X4D0086-02 (Ground Water)**

Sampled: 03-Apr-24 10:13
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	29.5	mg/L	0.100	0.069		X416077	NMS	04/19/24 11:24	
EPA 200.7	**Magnesium**	6.78	mg/L	0.500	0.090		X416077	NMS	04/19/24 11:24	
EPA 200.7	**Potassium**	0.95	mg/L	0.50	0.18		X416077	NMS	04/19/24 11:24	
SM 2340 B	**Hardness (as CaCO3)**	102	mg/L	2.31	0.543		N/A		04/19/24 11:24	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 11:56	
EPA 200.7	**Barium**	0.197	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 11:56	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 11:56	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 11:56	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 11:56	
EPA 200.7	**Calcium**	29.6	mg/L	0.100	0.069		X415016	NMS	04/09/24 11:56	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 11:56	
EPA 200.7	**Cobalt**	0.0067	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 11:56	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 11:56	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 11:56	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 11:56	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 11:56	
EPA 200.7	**Magnesium**	6.89	mg/L	0.500	0.090		X415016	NMS	04/09/24 11:56	
EPA 200.7	**Manganese**	0.0178	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 11:56	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 11:56	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 11:56	
EPA 200.7	**Potassium**	1.01	mg/L	0.50	0.18		X415016	NMS	04/09/24 11:56	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 11:56	
EPA 200.7	**Sodium**	31.0	mg/L	0.50	0.12		X415016	NMS	04/09/24 11:56	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 11:56	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 11:56	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:16	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:16	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:16	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:16	
EPA 200.8	**Uranium**	0.00353	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:16	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:22	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:02	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:24	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:43	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:24	H1
SM 2310 B	**Acidity to pH 8.3**	-162	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	157	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:44	
SM 2320 B	**Bicarbonate**	157	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:44	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:44	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:44	
SM 2540 C	**Total Diss. Solids**	174	mg/L	10			X414198	TJL	04/08/24 14:45	
SM 2540 D	**Total Susp. Solids**	11.0	mg/L	5.0			X414200	TJL	04/08/24 15:55	
SM 4500 H B	**pH @17.8°C**	7.6	pH Units				X414208	MWD	04/08/24 16:44	H5

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X4D0086-02 (Ground Water)**

Sampled: 03-Apr-24 10:13
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.50	mg/L	0.20	0.02		X414183	KAG	04/05/24 01:55	
EPA 300.0	**Fluoride**	1.85	mg/L	0.100	0.017		X414183	KAG	04/05/24 01:55	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X414183	KAG	04/05/24 01:55	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X414183	KAG	04/05/24 01:55	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414183	KAG	04/05/24 01:55	
EPA 300.0	**Sulfate as SO4**	13.0	mg/L	0.30	0.18		X414183	KAG	04/05/24 01:55	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.42 meq/L Anion Sum: 3.55 meq/L C/A Balance: -1.88 % Calculated TDS: 179 TDS/cTDS: 0.97

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

Kathryn Salter
Project Manager

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X4D0086-03 (Ground Water)**

Sampled: 03-Apr-24 10:59
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	10.2	mg/L	0.100	0.069		X416077	NMS	04/19/24 11:27	
EPA 200.7	**Magnesium**	2.09	mg/L	0.500	0.090		X416077	NMS	04/19/24 11:27	
EPA 200.7	**Potassium**	0.69	mg/L	0.50	0.18		X416077	NMS	04/19/24 11:27	
SM 2340 B	**Hardness (as CaCO3)**	38.9	mg/L	2.31	0.543		N/A		04/19/24 11:27	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 11:59	
EPA 200.7	**Barium**	0.120	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 11:59	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 11:59	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 11:59	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 11:59	
EPA 200.7	**Calcium**	11.6	mg/L	0.100	0.069		X415016	NMS	04/09/24 11:59	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 11:59	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 11:59	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 11:59	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 11:59	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 11:59	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 11:59	
EPA 200.7	**Magnesium**	2.42	mg/L	0.500	0.090		X415016	NMS	04/09/24 11:59	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 11:59	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 11:59	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 11:59	
EPA 200.7	**Potassium**	0.78	mg/L	0.50	0.18		X415016	NMS	04/09/24 11:59	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 11:59	
EPA 200.7	**Sodium**	10.1	mg/L	0.50	0.12		X415016	NMS	04/09/24 11:59	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 11:59	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 11:59	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:19	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:19	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:19	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:19	
EPA 200.8	**Uranium**	0.000112	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:19	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:25	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:10	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:27	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:45	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:26	H1
SM 2310 B	**Acidity to pH 8.3**	-35.5	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	36.8	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:50	
SM 2320 B	**Bicarbonate**	36.8	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:50	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:50	
SM 2540 C	**Total Diss. Solids**	102	mg/L	10			X414198	TJL	04/08/24 14:45	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X414200	TJL	04/08/24 15:55	
SM 4500 H B	**pH @17.7°C**	6.6	pH Units				X414208	MWD	04/08/24 16:50	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X4D0086-03 (Ground Water)**

Sampled: 03-Apr-24 10:59
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.87	mg/L	0.20	0.02		X414183	KAG	04/05/24 00:24	
EPA 300.0	**Fluoride**	0.216	mg/L	0.100	0.017		X414183	KAG	04/05/24 00:24	
EPA 300.0	**Nitrate as N**	0.578	mg/L	0.050	0.013		X414183	KAG	04/05/24 00:24	
EPA 300.0	**Nitrate+Nitrite as N**	0.578	mg/L	0.100	0.044		X414183	KAG	04/05/24 00:24	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414183	KAG	04/05/24 00:24	
EPA 300.0	**Sulfate as SO4**	21.7	mg/L	0.30	0.18		X414183	KAG	04/05/24 00:24	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.15 meq/L Anion Sum: 1.29 meq/L C/A Balance: -5.72 % Calculated TDS: 72 TDS/cTDS: 1.41

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X4D0086-05 (Ground Water)**

Sampled: 03-Apr-24 12:32
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	25.9	mg/L	0.100	0.069		X416077	NMS	04/19/24 11:35	
EPA 200.7	**Magnesium**	10.5	mg/L	0.500	0.090		X416077	NMS	04/19/24 11:35	
EPA 200.7	**Potassium**	1.26	mg/L	0.50	0.18		X416077	NMS	04/19/24 11:35	
SM 2340 B	**Hardness (as CaCO3)**	120	mg/L	2.31	0.543		N/A		04/09/24 12:06	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 12:06	
EPA 200.7	**Barium**	0.112	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 12:06	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 12:06	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 12:06	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 12:06	
EPA 200.7	**Calcium**	30.8	mg/L	0.100	0.069		X415016	NMS	04/09/24 12:06	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 12:06	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 12:06	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 12:06	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 12:06	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 12:06	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 12:06	
EPA 200.7	**Magnesium**	12.5	mg/L	0.500	0.090		X415016	NMS	04/09/24 12:06	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:06	
EPA 200.7	**Molybdenum**	0.0083	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:06	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 12:06	
EPA 200.7	**Potassium**	1.51	mg/L	0.50	0.18		X415016	NMS	04/09/24 12:06	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:06	
EPA 200.7	**Sodium**	37.6	mg/L	0.50	0.12		X415016	NMS	04/09/24 12:06	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:06	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 12:06	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:24	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:24	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:24	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:24	
EPA 200.8	**Uranium**	0.00360	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:24	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:29	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:14	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:32	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:49	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X418218	DD	05/02/24 10:02	H1
SM 2310 B	**Acidity to pH 8.3**	-162	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	165	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:01	
SM 2320 B	**Bicarbonate**	165	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:01	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:01	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:01	
SM 2540 C	**Total Diss. Solids**	227	mg/L	10			X414198	TJL	04/08/24 14:45	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X414200	TJL	04/08/24 15:55	
SM 4500 H B	**pH @17.8°C**	7.6	pH Units				X414208	MWD	04/08/24 17:01	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X4D0086-05 (Ground Water)**

Sampled: 03-Apr-24 12:32
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.42	mg/L	0.20	0.02		X414183	KAG	04/05/24 02:31	
EPA 300.0	**Fluoride**	2.09	mg/L	0.100	0.017		X414183	KAG	04/05/24 02:31	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X414183	KAG	04/05/24 02:31	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X414183	KAG	04/05/24 02:31	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414183	KAG	04/05/24 02:31	
EPA 300.0	**Sulfate as SO4**	34.3	mg/L	0.30	0.18		X414183	KAG	04/05/24 02:31	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.84 meq/L Anion Sum: 4.25 meq/L C/A Balance: -5.07 % Calculated TDS: 219 TDS/cTDS: 1.04

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X4D0086-06 (Ground Water)**

Sampled: 03-Apr-24 13:21
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	30.8	mg/L	0.100	0.069		X416077	NMS	04/19/24 11:48	
EPA 200.7	**Magnesium**	8.25	mg/L	0.500	0.090		X416077	NMS	04/19/24 11:48	
EPA 200.7	**Potassium**	1.30	mg/L	0.50	0.18		X416077	NMS	04/19/24 11:48	
SM 2340 B	**Hardness (as CaCO3)**	117	mg/L	2.31	0.543		N/A		04/09/24 12:17	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 12:17	
EPA 200.7	**Barium**	0.0505	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 12:17	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 12:17	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 12:17	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 12:17	
EPA 200.7	**Calcium**	33.1	mg/L	0.100	0.069		X415016	NMS	04/09/24 12:17	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 12:17	
EPA 200.7	**Cobalt**	0.0082	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 12:17	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 12:17	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 12:17	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 12:17	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 12:17	
EPA 200.7	**Magnesium**	9.00	mg/L	0.500	0.090		X415016	NMS	04/09/24 12:17	
EPA 200.7	**Manganese**	0.0120	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:17	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:17	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 12:17	
EPA 200.7	**Potassium**	1.43	mg/L	0.50	0.18		X415016	NMS	04/09/24 12:17	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:17	
EPA 200.7	**Sodium**	17.2	mg/L	0.50	0.12		X415016	NMS	04/09/24 12:17	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:17	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 12:17	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:26	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:26	
EPA 200.8	**Selenium**	0.00127	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:26	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:26	
EPA 200.8	**Uranium**	0.000695	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:26	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:31	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:16	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:35	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:51	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:35	H1
SM 2310 B	**Acidity to pH 8.3**	-67.1	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	68.3	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:07	
SM 2320 B	**Bicarbonate**	68.3	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:07	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:07	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:07	
SM 2540 C	**Total Diss. Solids**	217	mg/L	10			X414198	TJL	04/08/24 14:45	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X414200	TJL	04/08/24 15:55	
SM 4500 H B	**pH @18.4°C**	6.7	pH Units				X414208	MWD	04/08/24 17:07	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: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X4D0086-06 (Ground Water)**

Sampled: 03-Apr-24 13:21
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.3	mg/L	0.20	0.02		X414183	KAG	04/05/24 03:07	
EPA 300.0	**Fluoride**	0.338	mg/L	0.100	0.017		X414183	KAG	04/05/24 03:07	
EPA 300.0	**Nitrate as N**	0.913	mg/L	0.050	0.013		X414183	KAG	04/05/24 03:07	
EPA 300.0	**Nitrate+Nitrite as N**	0.913	mg/L	0.100	0.044		X414183	KAG	04/05/24 03:07	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414183	KAG	04/05/24 03:07	
EPA 300.0	**Sulfate as SO4**	68.0	mg/L	3.00	1.80	10	X414183	KAG	04/05/24 03:25	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.01 meq/L Anion Sum: 3.18 meq/L C/A Balance: -2.76 % Calculated TDS: 184 TDS/cTDS: 1.18

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X416077	19-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416077	19-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416077	19-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X415016	09-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X415016	09-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X415016	09-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X415016	09-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X415016	09-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X415016	09-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X415016	09-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X415016	09-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X415016	09-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X415016	09-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X415016	09-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X415016	09-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X415016	09-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X415016	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X415016	09-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X415016	09-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X415016	09-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X415016	09-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X415016	09-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X415016	09-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X415016	09-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X415044	13-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X415044	13-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X415044	13-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X415044	13-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X415044	13-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X415207	15-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X415113	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X415003	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X415055	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X416129	26-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X418218	02-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X415194	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X414198	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X414200	08-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X414183	04-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X414183	04-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X414183	04-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X414183	04-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X414183	04-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X414183	04-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.7	20.0	99	85 - 115	X416077	19-Apr-24	
EPA 200.7	Magnesium	mg/L	19.9	20.0	99.7	85 - 115	X416077	19-Apr-24	
EPA 200.7	Potassium	mg/L	20.3	20.0	102	85 - 115	X416077	19-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.919	1.00	91.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Barium	mg/L	0.996	1.00	99.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Beryllium	mg/L	0.996	1.00	99.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Boron	mg/L	0.967	1.00	96.7	85 - 115	X415016	09-Apr-24	
EPA 200.7	Cadmium	mg/L	0.987	1.00	98.7	85 - 115	X415016	09-Apr-24	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Chromium	mg/L	0.985	1.00	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Cobalt	mg/L	0.979	1.00	97.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Copper	mg/L	0.980	1.00	98.0	85 - 115	X415016	09-Apr-24	
EPA 200.7	Iron	mg/L	9.83	10.0	98.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Lead	mg/L	0.976	1.00	97.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.00	1.00	100	85 - 115	X415016	09-Apr-24	
EPA 200.7	Magnesium	mg/L	19.6	20.0	98.1	85 - 115	X415016	09-Apr-24	
EPA 200.7	Manganese	mg/L	0.999	1.00	99.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.985	1.00	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Nickel	mg/L	0.971	1.00	97.1	85 - 115	X415016	09-Apr-24	
EPA 200.7	Potassium	mg/L	20.1	20.0	100	85 - 115	X415016	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0530	0.0500	106	85 - 115	X415016	09-Apr-24	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Vanadium	mg/L	0.993	1.00	99.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Zinc	mg/L	0.980	1.00	98.0	85 - 115	X415016	09-Apr-24	
EPA 200.8	Antimony	mg/L	0.0255	0.0250	102	85 - 115	X415044	13-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0234	0.0250	93.5	85 - 115	X415044	13-Apr-24	
EPA 200.8	Selenium	mg/L	0.0223	0.0250	89.3	85 - 115	X415044	13-Apr-24	
EPA 200.8	Thallium	mg/L	0.0255	0.0250	102	85 - 115	X415044	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0260	0.0250	104	85 - 115	X415044	13-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00223	0.00200	111	85 - 115	X415207	15-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	0.100	102	90 - 110	X415113	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.100	103	90 - 110	X415003	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.999	1.00	99.9	90 - 110	X415055	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X418218	02-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.110	0.100	110	90 - 110	X416129	26-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1620	1640	99.0	95.4 - 104	X415194	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.2	9.93	103	96.4 - 105	X414208	08-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X414208	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X414200	08-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.4	90 - 110	X414183	04-Apr-24	
EPA 300.0	Fluoride	mg/L	1.96	2.00	98.0	90 - 110	X414183	04-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.97	2.00	98.6	90 - 110	X414183	04-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.46	4.50	99.2	90 - 110	X414183	04-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.49	2.50	99.6	90 - 110	X414183	04-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X414183	04-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

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	X415194 - X4D0086-01	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	157	157	0.1	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	157	157	0.1	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414208 - X4D0086-02	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	183	174	5.0	10	X414198 - X4D0086-02	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	276	291	5.3	10	X414198 - X4D0095-04	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	11.0	9.5	10	X414200 - X4D0086-02	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X414200 - X4D0095-04	08-Apr-24	
SM 4500 H B	pH @18.1°C	pH Units	7.6	7.6	0.3	20	X414208 - X4D0086-02	08-Apr-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	20.3	0.250	20.0	100	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Calcium	mg/L	56.0	36.8	20.0	96	70 - 130	X416077 - X4D0124-04	19-Apr-24	
EPA 200.7	Magnesium	mg/L	20.9	<0.500	20.0	105	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Magnesium	mg/L	37.0	16.7	20.0	101	70 - 130	X416077 - X4D0124-04	19-Apr-24	
EPA 200.7	Potassium	mg/L	110	88.3	20.0	110	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Potassium	mg/L	21.3	0.91	20.0	102	70 - 130	X416077 - X4D0124-04	19-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.972	<0.080	1.00	97.2	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Aluminum	mg/L	0.976	<0.080	1.00	97.6	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Barium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Barium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Calcium	mg/L	20.9	0.155	20.0	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Calcium	mg/L	20.7	<0.100	20.0	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Cobalt	mg/L	1.03	<0.0060	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Cobalt	mg/L	1.02	<0.0060	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Lead	mg/L	1.02	<0.0075	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.03	<0.040	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Magnesium	mg/L	20.7	<0.500	20.0	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Magnesium	mg/L	20.6	<0.500	20.0	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.06	0.0115	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Manganese	mg/L	1.05	<0.0080	1.00	105	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.02	<0.0080	1.00	102	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.02	<0.0080	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Nickel	mg/L	1.03	<0.0100	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Potassium	mg/L	38.2	16.9	20.0	107	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Potassium	mg/L	21.3	<0.50	20.0	107	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0572	<0.0050	0.0500	114	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0570	<0.0050	0.0500	114	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Sodium	mg/L	19.3	<0.50	19.0	100	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Sodium	mg/L	19.3	<0.50	19.0	100	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Vanadium	mg/L	1.05	<0.0050	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Zinc	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Zinc	mg/L	1.02	<0.0100	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.8	Antimony	mg/L	0.0307	<0.00100	0.0250	123	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Antimony	mg/L	0.0332	<0.00100	0.0250	133	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Arsenic	mg/L	0.0298	<0.00100	0.0250	119	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0328	<0.00100	0.0250	131	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Selenium	mg/L	0.0307	<0.00100	0.0250	123	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Selenium	mg/L	0.0344	<0.00100	0.0250	134	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Thallium	mg/L	0.0287	<0.000200	0.0250	115	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Thallium	mg/L	0.0311	<0.000200	0.0250	124	70 - 130	X415044 - X4D0124-01	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0292	<0.000100	0.0250	117	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0353	0.00230	0.0250	132	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00234	<0.000200	0.00200	117	70 - 130	X415207 - X4D0080-01	15-Apr-24	
EPA 245.1	Mercury	mg/L	0.00218	<0.000200	0.00200	109	70 - 130	X415207 - X4D0124-03	15-Apr-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0940	<0.0050	0.100	94.0	79 - 121	X415113 - X4D0086-01	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X415003 - X4D0086-03	08-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.0976	<0.0050	0.100	97.6	90 - 110	X415003 - X4D0086-01	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X415055 - X4D0139-03	10-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X415055 - X4D0139-01	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.107	<0.0050	0.100	107	82 - 118	X418218 - X4D0086-05	02-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	<0.0050	0.100	99.0	82 - 118	X416129 - X4D0086-01	26-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.08	<0.20	3.00	97.7	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Chloride	mg/L	17.4	14.3	3.00	105	90 - 110	X414183 - X4D0086-01	05-Apr-24	D2
EPA 300.0	Fluoride	mg/L	1.95	<0.100	2.00	97.7	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Fluoride	mg/L	1.99	<0.100	2.00	97.6	90 - 110	X414183 - X4D0086-01	04-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.95	<0.050	2.00	97.7	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.95	<0.050	2.00	97.6	90 - 110	X414183 - X4D0086-01	04-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.98	<0.100	4.00	99.4	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.97	<0.100	4.00	99.3	90 - 110	X414183 - X4D0086-01	04-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X414183 - X4D0086-01	04-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	10.3	<0.30	10.0	103	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.8	0.58	10.0	102	90 - 110	X414183 - X4D0086-01	04-Apr-24	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	20.3	20.3	20.0	0.1	20	100	X416077 - X4D0086-01	
EPA 200.7	Magnesium	mg/L	20.9	20.9	20.0	0.4	20	104	X416077 - X4D0086-01	
EPA 200.7	Potassium	mg/L	111	110	20.0	0.3	20	112	X416077 - X4D0086-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.967	0.972	1.00	0.4	20	96.7	X415016 - X4D0086-01	
EPA 200.7	Barium	mg/L	1.05	1.05	1.00	0.2	20	105	X415016 - X4D0086-01	
EPA 200.7	Beryllium	mg/L	1.04	1.04	1.00	0.0	20	104	X415016 - X4D0086-01	
EPA 200.7	Boron	mg/L	1.03	1.03	1.00	0.4	20	103	X415016 - X4D0086-01	
EPA 200.7	Cadmium	mg/L	1.05	1.05	1.00	0.1	20	105	X415016 - X4D0086-01	
EPA 200.7	Calcium	mg/L	20.7	20.9	20.0	1.0	20	103	X415016 - X4D0086-01	
EPA 200.7	Chromium	mg/L	1.04	1.04	1.00	0.2	20	104	X415016 - X4D0086-01	
EPA 200.7	Cobalt	mg/L	1.03	1.03	1.00	0.1	20	103	X415016 - X4D0086-01	
EPA 200.7	Copper	mg/L	1.05	1.04	1.00	0.7	20	105	X415016 - X4D0086-01	
EPA 200.7	Iron	mg/L	10.3	10.4	10.0	0.5	20	103	X415016 - X4D0086-01	
EPA 200.7	Lead	mg/L	1.02	1.03	1.00	0.5	20	102	X415016 - X4D0086-01	
EPA 200.7	Lithium	mg/L	1.04	1.03	1.00	0.7	20	104	X415016 - X4D0086-01	
EPA 200.7	Magnesium	mg/L	20.5	20.7	20.0	0.9	20	102	X415016 - X4D0086-01	
EPA 200.7	Manganese	mg/L	1.05	1.06	1.00	0.6	20	104	X415016 - X4D0086-01	
EPA 200.7	Molybdenum	mg/L	1.03	1.02	1.00	0.2	20	103	X415016 - X4D0086-01	
EPA 200.7	Nickel	mg/L	1.02	1.03	1.00	0.4	20	102	X415016 - X4D0086-01	
EPA 200.7	Potassium	mg/L	38.2	38.2	20.0	0.2	20	106	X415016 - X4D0086-01	
EPA 200.7	Silver	mg/L	0.0571	0.0572	0.0500	0.2	20	114	X415016 - X4D0086-01	
EPA 200.7	Sodium	mg/L	19.3	19.3	19.0	0.1	20	100	X415016 - X4D0086-01	
EPA 200.7	Vanadium	mg/L	1.04	1.05	1.00	0.6	20	104	X415016 - X4D0086-01	
EPA 200.7	Zinc	mg/L	1.04	1.04	1.00	0.3	20	104	X415016 - X4D0086-01	
EPA 200.8	Antimony	mg/L	0.0310	0.0307	0.0250	1.2	20	124	X415044 - X4D0086-01	
EPA 200.8	Arsenic	mg/L	0.0300	0.0298	0.0250	0.7	20	120	X415044 - X4D0086-01	
EPA 200.8	Selenium	mg/L	0.0314	0.0307	0.0250	2.3	20	125	X415044 - X4D0086-01	
EPA 200.8	Thallium	mg/L	0.0288	0.0287	0.0250	0.6	20	115	X415044 - X4D0086-01	
EPA 200.8	Uranium	mg/L	0.0293	0.0292	0.0250	0.2	20	117	X415044 - X4D0086-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00243	0.00234	0.00200	3.9	20	122	X415207 - X4D0080-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.0940	0.100	9.1	11	103	X415113 - X4D0086-01	
EPA 335.4	Cyanide (total)	mg/L	0.108	0.104	0.100	4.1	20	108	X415003 - X4D0086-03	
EPA 350.1	Ammonia as N	mg/L	1.02	1.02	1.00	0.9	20	102	X415055 - X4D0139-03	
OIA 1677	Cyanide (WAD)	mg/L	0.112	0.101	0.100	10.3	11	110	X416129 - X4D0086-01	
OIA 1677	Cyanide (WAD)	mg/L	0.109	0.107	0.100	1.9	11	109	X418218 - X4D0086-05	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.14	3.08	3.00	1.9	20	99.7	X414183 - X4D0085-03	
EPA 300.0	Fluoride	mg/L	1.99	1.95	2.00	1.9	20	99.6	X414183 - X4D0085-03	
EPA 300.0	Nitrate as N	mg/L	1.99	1.95	2.00	1.9	20	99.6	X414183 - X4D0085-03	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.06	3.98	4.00	2.0	20	101	X414183 - X4D0085-03	
EPA 300.0	Nitrite as N	mg/L	2.06	2.02	2.00	2.1	20	103	X414183 - X4D0085-03	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.3	10.0	2.3	20	105	X414183 - X4D0085-03	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0086**
Victor, CO 80860	Reported: 02-May-24 15:02

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4D0124-01 (Ground Water)**

Sampled: 04-Apr-24 08:43
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	44.2	mg/L	0.100	0.069		X416077	NMS	04/19/24 11:59	
EPA 200.7	**Magnesium**	6.90	mg/L	0.500	0.090		X416077	NMS	04/19/24 11:59	
EPA 200.7	**Potassium**	1.39	mg/L	0.50	0.18		X416077	NMS	04/19/24 11:59	
SM 2340 B	**Hardness (as CaCO3)**	138	mg/L	2.31	0.543		N/A		04/19/24 11:59	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 12:44	
EPA 200.7	**Barium**	0.0065	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 12:44	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 12:44	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 12:44	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 12:44	
EPA 200.7	**Calcium**	43.7	mg/L	0.100	0.069		X415016	NMS	04/09/24 12:44	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 12:44	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 12:44	
EPA 200.7	**Copper**	0.0234	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 12:44	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 12:44	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 12:44	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 12:44	
EPA 200.7	**Magnesium**	7.02	mg/L	0.500	0.090		X415016	NMS	04/09/24 12:44	
EPA 200.7	**Manganese**	0.0087	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:44	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:44	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 12:44	
EPA 200.7	**Potassium**	1.40	mg/L	0.50	0.18		X415016	NMS	04/09/24 12:44	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:44	
EPA 200.7	**Sodium**	24.8	mg/L	0.50	0.12		X415016	NMS	04/09/24 12:44	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:44	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 12:44	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:48	M1
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:48	M1
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:48	M1
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:48	
EPA 200.8	**Uranium**	0.00230	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:48	M1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:37	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:18	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:37	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:53	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:36	H1
SM 2310 B	**Acidity to pH 8.3**	-35.5	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	37.4	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:31	
SM 2320 B	**Bicarbonate**	37.4	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:31	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:31	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:31	
SM 2540 C	**Total Diss. Solids**	299	mg/L	10			X415009	TJL	04/09/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X415011	TJL	04/09/24 15:20	
SM 4500 H B	**pH @18.8°C**	6.7	pH Units				X414208	MWD	04/08/24 17:31	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: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4D0124-01 (Ground Water)**

Sampled: 04-Apr-24 08:43
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	25.8	mg/L	2.00	0.22	10	X414122	RS	04/05/24 15:48	D2
EPA 300.0	**Fluoride**	2.20	mg/L	0.100	0.017		X414122	RS	04/05/24 15:30	
EPA 300.0	**Nitrate as N**	2.13	mg/L	0.050	0.013		X414122	RS	04/05/24 15:30	
EPA 300.0	**Nitrate+Nitrite as N**	2.13	mg/L	0.100	0.044		X414122	RS	04/05/24 15:30	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414122	RS	04/05/24 15:30	
EPA 300.0	**Sulfate as SO4**	109	mg/L	3.00	1.80	10	X414122	RS	04/05/24 15:48	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.88 meq/L Anion Sum: 4.01 meq/L C/A Balance: -1.72 % Calculated TDS: 246 TDS/cTDS: 1.22

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4D0124-02 (Ground Water)**

Sampled: 04-Apr-24 09:30
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	52.1	mg/L	0.100	0.069		X416077	NMS	04/19/24 12:03	
EPA 200.7	**Magnesium**	6.58	mg/L	0.500	0.090		X416077	NMS	04/19/24 12:03	
EPA 200.7	**Potassium**	0.78	mg/L	0.50	0.18		X416077	NMS	04/19/24 12:03	
SM 2340 B	**Hardness (as CaCO3)**	153	mg/L	2.31	0.543		N/A		04/09/24 12:48	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 12:48	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 12:48	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 12:48	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 12:48	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 12:48	
EPA 200.7	**Calcium**	50.5	mg/L	0.100	0.069		X415016	NMS	04/09/24 12:48	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 12:48	
EPA 200.7	**Cobalt**	0.0074	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 12:48	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 12:48	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 12:48	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 12:48	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 12:48	
EPA 200.7	**Magnesium**	6.57	mg/L	0.500	0.090		X415016	NMS	04/09/24 12:48	
EPA 200.7	**Manganese**	0.0112	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:48	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:48	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 12:48	
EPA 200.7	**Potassium**	0.76	mg/L	0.50	0.18		X415016	NMS	04/09/24 12:48	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:48	
EPA 200.7	**Sodium**	24.4	mg/L	0.50	0.12		X415016	NMS	04/09/24 12:48	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:48	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 12:48	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:53	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:53	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:53	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:53	
EPA 200.8	**Uranium**	0.00496	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:53	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:44	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:20	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:40	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:55	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:38	H1
SM 2310 B	**Acidity to pH 8.3**	-51.3	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	48.8	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:36	
SM 2320 B	**Bicarbonate**	48.8	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:36	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:36	
SM 2540 C	**Total Diss. Solids**	261	mg/L	10			X415009	TJL	04/09/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X415011	TJL	04/09/24 15:20	
SM 4500 H B	**pH @19.0°C**	6.8	pH Units				X414208	MWD	04/08/24 17:36	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4D0124-02 (Ground Water)**

Sampled: 04-Apr-24 09:30
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	65.2	mg/L	2.00	0.22	10	X414122	RS	04/05/24 16:25	D2
EPA 300.0	**Fluoride**	1.82	mg/L	0.100	0.017		X414122	RS	04/05/24 16:07	
EPA 300.0	**Nitrate as N**	1.22	mg/L	0.050	0.013		X414122	RS	04/05/24 16:07	
EPA 300.0	**Nitrate+Nitrite as N**	1.22	mg/L	0.100	0.044		X414122	RS	04/05/24 16:07	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414122	RS	04/05/24 16:07	
EPA 300.0	**Sulfate as SO4**	59.6	mg/L	3.00	1.80	10	X414122	RS	04/05/24 16:25	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.15 meq/L Anion Sum: 4.24 meq/L C/A Balance: -0.99 % Calculated TDS: 244 TDS/cTDS: 1.07

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4D0124-03 (Ground Water)**

Sampled: 04-Apr-24 10:44
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	99.1	mg/L	1.00	0.690	10	X416077	NMS	04/19/24 12:07	D1
EPA 200.7	**Magnesium**	45.9	mg/L	5.00	0.900	10	X416077	NMS	04/19/24 12:07	D1
EPA 200.7	**Potassium**	10.1	mg/L	5.00	1.80	10	X416077	NMS	04/19/24 12:07	D1
SM 2340 B	**Hardness (as CaCO3)**	437	mg/L	23.1	5.43		N/A		04/09/24 12:58	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 12:58	
EPA 200.7	**Barium**	0.0518	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 12:58	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 12:58	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 12:58	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 12:58	
EPA 200.7	**Calcium**	92.4	mg/L	0.100	0.069		X415016	NMS	04/09/24 12:58	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 12:58	
EPA 200.7	**Cobalt**	0.0085	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 12:58	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 12:58	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 12:58	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 12:58	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 12:58	
EPA 200.7	**Magnesium**	42.6	mg/L	0.500	0.090		X415016	NMS	04/09/24 12:58	
EPA 200.7	**Manganese**	0.0355	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:58	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:58	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 12:58	
EPA 200.7	**Potassium**	1.74	mg/L	0.50	0.18		X415016	NMS	04/09/24 12:58	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:58	
EPA 200.7	**Sodium**	12.8	mg/L	0.50	0.12		X415016	NMS	04/09/24 12:58	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:58	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 12:58	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:56	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/29/24 18:46	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/29/24 18:48	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:56	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/29/24 18:46	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/29/24 18:48	
EPA 200.8	**Selenium**	0.00162	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:56	
EPA 200.8	**Selenium**	0.00103	mg/L	0.00100	0.00024		X415044	SMU	04/29/24 18:46	
EPA 200.8	**Selenium**	0.00140	mg/L	0.00100	0.00024		X415044	SMU	04/29/24 18:48	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:56	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/29/24 18:46	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/29/24 18:48	
EPA 200.8	**Uranium**	0.0339	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:56	
EPA 200.8	**Uranium**	0.0290	mg/L	0.000100	0.000052		X415044	SMU	04/29/24 18:46	
EPA 200.8	**Uranium**	0.0295	mg/L	0.000100	0.000052		X415044	SMU	04/29/24 18:48	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:46	

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4D0124-03 (Ground Water)**

Sampled: 04-Apr-24 10:44
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:22	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:53	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:57	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:39	H1
SM 2310 B	**Acidity to pH 8.3**	-178	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	178	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:41	
SM 2320 B	**Bicarbonate**	178	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:41	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:41	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:41	
SM 2540 C	**Total Diss. Solids**	486	mg/L	10			X415009	TJL	04/09/24 14:30	
SM 2540 D	**Total Susp. Solids**	820	mg/L	5.0			X415011	TJL	04/09/24 15:20	
SM 4500 H B	**pH @19.1°C**	7.5	pH Units				X414208	MWD	04/08/24 17:41	H5
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	79.5	mg/L	2.00	0.22	10	X414122	RS	04/05/24 17:39	D2
EPA 300.0	**Fluoride**	0.430	mg/L	0.100	0.017		X414122	RS	04/05/24 17:20	
EPA 300.0	**Nitrate as N**	0.367	mg/L	0.050	0.013		X414122	RS	04/05/24 17:20	
EPA 300.0	**Nitrate+Nitrite as N**	0.367	mg/L	0.100	0.044		X414122	RS	04/05/24 17:20	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414122	RS	04/05/24 17:20	
EPA 300.0	**Sulfate as SO4**	152	mg/L	3.00	1.80	10	X414122	RS	04/05/24 17:39	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 8.73 meq/L Anion Sum: 9.01 meq/L C/A Balance: -1.58 % Calculated TDS: 499 TDS/cTDS: 0.97

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

Kathryn Salter
Project Manager

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4D0124-04 (Ground Water)**

Sampled: 04-Apr-24 11:59
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	36.8	mg/L	0.100	0.069		X416077	NMS	04/19/24 12:11	
EPA 200.7	**Magnesium**	16.7	mg/L	0.500	0.090		X416077	NMS	04/19/24 12:11	
EPA 200.7	**Potassium**	0.91	mg/L	0.50	0.18		X416077	NMS	04/19/24 12:11	
SM 2340 B	**Hardness (as CaCO3)**	160	mg/L	2.31	0.543		N/A		04/19/24 12:11	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 13:02	
EPA 200.7	**Barium**	0.159	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 13:02	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 13:02	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 13:02	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 13:02	
EPA 200.7	**Calcium**	36.1	mg/L	0.100	0.069		X415016	NMS	04/09/24 13:02	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 13:02	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 13:02	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 13:02	
EPA 200.7	**Iron**	1.10	mg/L	0.100	0.056		X415016	NMS	04/09/24 13:02	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 13:02	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 13:02	
EPA 200.7	**Magnesium**	16.9	mg/L	0.500	0.090		X415016	NMS	04/09/24 13:02	
EPA 200.7	**Manganese**	0.220	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 13:02	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 13:02	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 13:02	
EPA 200.7	**Potassium**	0.94	mg/L	0.50	0.18		X415016	NMS	04/09/24 13:02	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 13:02	
EPA 200.7	**Sodium**	9.19	mg/L	0.50	0.12		X415016	NMS	04/09/24 13:02	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 13:02	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 13:02	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:59	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:59	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:59	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:59	
EPA 200.8	**Uranium**	0.00410	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:59	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:48	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:24	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:56	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:59	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:41	H1
SM 2310 B	**Acidity to pH 8.3**	-162	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	155	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:47	
SM 2320 B	**Bicarbonate**	155	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:47	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:47	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:47	
SM 2540 C	**Total Diss. Solids**	196	mg/L	10			X415009	TJL	04/09/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X415011	TJL	04/09/24 15:20	
SM 4500 H B	**pH @19.3°C**	7.3	pH Units				X414208	MWD	04/08/24 17:47	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: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4D0124-04 (Ground Water)**

Sampled: 04-Apr-24 11:59
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.99	mg/L	0.20	0.02		X414122	RS	04/05/24 17:57	
EPA 300.0	**Fluoride**	0.928	mg/L	0.100	0.017		X414122	RS	04/05/24 17:57	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X414122	RS	04/05/24 17:57	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X414122	RS	04/05/24 17:57	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414122	RS	04/05/24 17:57	
EPA 300.0	**Sulfate as SO4**	18.1	mg/L	0.30	0.18		X414122	RS	04/05/24 17:57	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.66 meq/L Anion Sum: 3.69 meq/L C/A Balance: -0.48 % Calculated TDS: 181 TDS/cTDS: 1.08

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X4D0124-06 (Ground Water)**

Sampled: 04-Apr-24 13:55
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	39.0	mg/L	0.100	0.069		X416077	NMS	04/19/24 12:18	
EPA 200.7	**Magnesium**	21.6	mg/L	0.500	0.090		X416077	NMS	04/19/24 12:18	
EPA 200.7	**Potassium**	2.20	mg/L	0.50	0.18		X416077	NMS	04/19/24 12:18	
SM 2340 B	**Hardness (as CaCO3)**	195	mg/L	2.31	0.543		N/A		04/19/24 12:18	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.452	mg/L	0.080	0.054		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Barium**	0.0161	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Beryllium**	0.0371	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 13:09	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Cadmium**	0.0024	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Calcium**	40.4	mg/L	0.100	0.069		X415016	NMS	04/09/24 13:09	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Cobalt**	0.0733	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 13:09	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Iron**	20.5	mg/L	0.100	0.056		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Lead**	0.0474	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 13:09	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Magnesium**	22.8	mg/L	0.500	0.090		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Manganese**	1.33	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 13:09	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Nickel**	0.112	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Potassium**	2.19	mg/L	0.50	0.18		X415016	NMS	04/09/24 13:09	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Sodium**	12.3	mg/L	0.50	0.12		X415016	NMS	04/09/24 13:09	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 13:09	
EPA 200.7	**Zinc**	1.45	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 13:09	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 16:04	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 16:04	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 16:04	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 16:04	
EPA 200.8	**Uranium**	0.00410	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 16:04	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:52	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:28	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 15:01	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 10:11	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:44	H1
SM 2310 B	**Acidity to pH 8.3**	43.4	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:59	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:59	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:59	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:59	
SM 2540 C	**Total Diss. Solids**	436	mg/L	10			X415009	TJL	04/09/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X415011	TJL	04/09/24 15:20	
SM 4500 H B	**pH @19.4°C**	4.5	pH Units				X414208	MWD	04/08/24 17:59	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X4D0124-06 (Ground Water)**

Sampled: 04-Apr-24 13:55
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.89	mg/L	0.20	0.02		X414122	RS	04/05/24 19:10	
EPA 300.0	**Fluoride**	0.386	mg/L	0.100	0.017		X414122	RS	04/05/24 19:10	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X414122	RS	04/05/24 19:10	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X414122	RS	04/05/24 19:10	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414122	RS	04/05/24 19:10	
EPA 300.0	**Sulfate as SO4**	262	mg/L	3.00	1.80	10	X414122	RS	04/05/24 19:29	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 5.20 meq/L Anion Sum: 5.52 meq/L C/A Balance: -3.04 % Calculated TDS: 340 TDS/cTDS: 1.28

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

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	X416077	19-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416077	19-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416077	19-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X415016	09-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X415016	09-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X415016	09-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X415016	09-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X415016	09-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X415016	09-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X415016	09-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X415016	09-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X415016	09-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X415016	09-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X415016	09-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X415016	09-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X415016	09-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X415016	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X415016	09-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X415016	09-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X415016	09-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X415016	09-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X415016	09-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X415016	09-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X415016	09-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X415044	13-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X415044	13-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X415044	13-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X415044	13-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X415044	13-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X415207	15-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X415113	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X415003	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X415055	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X416129	26-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X415194	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X415009	09-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X415011	09-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X414122	05-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X414122	05-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X414122	05-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X414122	05-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X414122	05-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X414122	05-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

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	19.7	20.0	99	85 - 115	X416077	19-Apr-24	
EPA 200.7	Magnesium	mg/L	19.9	20.0	99.7	85 - 115	X416077	19-Apr-24	
EPA 200.7	Potassium	mg/L	20.3	20.0	102	85 - 115	X416077	19-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.919	1.00	91.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Barium	mg/L	0.996	1.00	99.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Beryllium	mg/L	0.996	1.00	99.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Boron	mg/L	0.967	1.00	96.7	85 - 115	X415016	09-Apr-24	
EPA 200.7	Cadmium	mg/L	0.987	1.00	98.7	85 - 115	X415016	09-Apr-24	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Chromium	mg/L	0.985	1.00	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Cobalt	mg/L	0.979	1.00	97.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Copper	mg/L	0.980	1.00	98.0	85 - 115	X415016	09-Apr-24	
EPA 200.7	Iron	mg/L	9.83	10.0	98.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Lead	mg/L	0.976	1.00	97.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.00	1.00	100	85 - 115	X415016	09-Apr-24	
EPA 200.7	Magnesium	mg/L	19.6	20.0	98.1	85 - 115	X415016	09-Apr-24	
EPA 200.7	Manganese	mg/L	0.999	1.00	99.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.985	1.00	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Nickel	mg/L	0.971	1.00	97.1	85 - 115	X415016	09-Apr-24	
EPA 200.7	Potassium	mg/L	20.1	20.0	100	85 - 115	X415016	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0530	0.0500	106	85 - 115	X415016	09-Apr-24	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Vanadium	mg/L	0.993	1.00	99.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Zinc	mg/L	0.980	1.00	98.0	85 - 115	X415016	09-Apr-24	
EPA 200.8	Antimony	mg/L	0.0255	0.0250	102	85 - 115	X415044	13-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0234	0.0250	93.5	85 - 115	X415044	13-Apr-24	
EPA 200.8	Selenium	mg/L	0.0223	0.0250	89.3	85 - 115	X415044	13-Apr-24	
EPA 200.8	Thallium	mg/L	0.0255	0.0250	102	85 - 115	X415044	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0260	0.0250	104	85 - 115	X415044	13-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00223	0.00200	111	85 - 115	X415207	15-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	0.100	102	90 - 110	X415113	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.100	103	90 - 110	X415003	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.999	1.00	99.9	90 - 110	X415055	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.110	0.100	110	90 - 110	X416129	26-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1620	1640	99.0	95.4 - 104	X415194	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.2	9.93	103	96.4 - 105	X414208	08-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X414208	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X415011	09-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.2	90 - 110	X414122	05-Apr-24	
EPA 300.0	Fluoride	mg/L	1.93	2.00	96.6	90 - 110	X414122	05-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.97	2.00	98.3	90 - 110	X414122	05-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.44	4.50	98.6	90 - 110	X414122	05-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.47	2.50	98.9	90 - 110	X414122	05-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X414122	05-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

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	X415194 - X4D0086-01	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	157	157	0.1	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	157	157	0.1	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414208 - X4D0086-02	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	251	261	3.9	10	X415009 - X4D0124-02	09-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	346	356	2.9	10	X415009 - X4D0107-02	09-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X415011 - X4D0107-02	09-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X415011 - X4D0124-02	09-Apr-24	
SM 4500 H B	pH @18.1°C	pH Units	7.6	7.6	0.3	20	X414208 - X4D0086-02	08-Apr-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	20.3	0.250	20.0	100	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Calcium	mg/L	56.0	36.8	20.0	96	70 - 130	X416077 - X4D0124-04	19-Apr-24	
EPA 200.7	Magnesium	mg/L	20.9	<0.500	20.0	105	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Magnesium	mg/L	37.0	16.7	20.0	101	70 - 130	X416077 - X4D0124-04	19-Apr-24	
EPA 200.7	Potassium	mg/L	110	88.3	20.0	110	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Potassium	mg/L	21.3	0.91	20.0	102	70 - 130	X416077 - X4D0124-04	19-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.972	<0.080	1.00	97.2	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Aluminum	mg/L	0.976	<0.080	1.00	97.6	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Barium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Barium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Calcium	mg/L	20.9	0.155	20.0	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Calcium	mg/L	20.7	<0.100	20.0	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Cobalt	mg/L	1.03	<0.0060	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Cobalt	mg/L	1.02	<0.0060	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Lead	mg/L	1.02	<0.0075	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.03	<0.040	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Magnesium	mg/L	20.7	<0.500	20.0	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Magnesium	mg/L	20.6	<0.500	20.0	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

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	1.06	0.0115	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Manganese	mg/L	1.05	<0.0080	1.00	105	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.02	<0.0080	1.00	102	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.02	<0.0080	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Nickel	mg/L	1.03	<0.0100	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Potassium	mg/L	38.2	16.9	20.0	107	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Potassium	mg/L	21.3	<0.50	20.0	107	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0572	<0.0050	0.0500	114	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0570	<0.0050	0.0500	114	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Sodium	mg/L	19.3	<0.50	19.0	100	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Sodium	mg/L	19.3	<0.50	19.0	100	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Vanadium	mg/L	1.05	<0.0050	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Zinc	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Zinc	mg/L	1.02	<0.0100	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.8	Antimony	mg/L	0.0307	<0.00100	0.0250	123	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Antimony	mg/L	0.0332	<0.00100	0.0250	133	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Arsenic	mg/L	0.0298	<0.00100	0.0250	119	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0328	<0.00100	0.0250	131	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Selenium	mg/L	0.0307	<0.00100	0.0250	123	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Selenium	mg/L	0.0344	<0.00100	0.0250	134	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Thallium	mg/L	0.0287	<0.000200	0.0250	115	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Thallium	mg/L	0.0311	<0.000200	0.0250	124	70 - 130	X415044 - X4D0124-01	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0292	<0.000100	0.0250	117	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0353	0.00230	0.0250	132	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00234	<0.000200	0.00200	117	70 - 130	X415207 - X4D0080-01	15-Apr-24	
EPA 245.1	Mercury	mg/L	0.00218	<0.000200	0.00200	109	70 - 130	X415207 - X4D0124-03	15-Apr-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0940	<0.0050	0.100	94.0	79 - 121	X415113 - X4D0086-01	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X415003 - X4D0086-03	08-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.0976	<0.0050	0.100	97.6	90 - 110	X415003 - X4D0086-01	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X415055 - X4D0139-03	10-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X415055 - X4D0139-01	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	<0.0050	0.100	99.0	82 - 118	X416129 - X4D0086-01	26-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.08	0.20	3.00	95.8	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Fluoride	mg/L	1.94	<0.100	2.00	95.3	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.91	<0.050	2.00	95.7	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.91	<0.100	4.00	97.9	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	100	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.1	<0.30	10.0	99.4	90 - 110	X414122 - X4D0124-07	05-Apr-24	

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	20.3	20.3	20.0	0.1	20	100	X416077 - X4D0086-01	
EPA 200.7	Magnesium	mg/L	20.9	20.9	20.0	0.4	20	104	X416077 - X4D0086-01	
EPA 200.7	Potassium	mg/L	111	110	20.0	0.3	20	112	X416077 - X4D0086-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.967	0.972	1.00	0.4	20	96.7	X415016 - X4D0086-01	
EPA 200.7	Barium	mg/L	1.05	1.05	1.00	0.2	20	105	X415016 - X4D0086-01	
EPA 200.7	Beryllium	mg/L	1.04	1.04	1.00	0.0	20	104	X415016 - X4D0086-01	
EPA 200.7	Boron	mg/L	1.03	1.03	1.00	0.4	20	103	X415016 - X4D0086-01	
EPA 200.7	Cadmium	mg/L	1.05	1.05	1.00	0.1	20	105	X415016 - X4D0086-01	
EPA 200.7	Calcium	mg/L	20.7	20.9	20.0	1.0	20	103	X415016 - X4D0086-01	
EPA 200.7	Chromium	mg/L	1.04	1.04	1.00	0.2	20	104	X415016 - X4D0086-01	
EPA 200.7	Cobalt	mg/L	1.03	1.03	1.00	0.1	20	103	X415016 - X4D0086-01	
EPA 200.7	Copper	mg/L	1.05	1.04	1.00	0.7	20	105	X415016 - X4D0086-01	
EPA 200.7	Iron	mg/L	10.3	10.4	10.0	0.5	20	103	X415016 - X4D0086-01	
EPA 200.7	Lead	mg/L	1.02	1.03	1.00	0.5	20	102	X415016 - X4D0086-01	
EPA 200.7	Lithium	mg/L	1.04	1.03	1.00	0.7	20	104	X415016 - X4D0086-01	
EPA 200.7	Magnesium	mg/L	20.5	20.7	20.0	0.9	20	102	X415016 - X4D0086-01	
EPA 200.7	Manganese	mg/L	1.05	1.06	1.00	0.6	20	104	X415016 - X4D0086-01	
EPA 200.7	Molybdenum	mg/L	1.03	1.02	1.00	0.2	20	103	X415016 - X4D0086-01	
EPA 200.7	Nickel	mg/L	1.02	1.03	1.00	0.4	20	102	X415016 - X4D0086-01	
EPA 200.7	Potassium	mg/L	38.2	38.2	20.0	0.2	20	106	X415016 - X4D0086-01	
EPA 200.7	Silver	mg/L	0.0571	0.0572	0.0500	0.2	20	114	X415016 - X4D0086-01	
EPA 200.7	Sodium	mg/L	19.3	19.3	19.0	0.1	20	100	X415016 - X4D0086-01	
EPA 200.7	Vanadium	mg/L	1.04	1.05	1.00	0.6	20	104	X415016 - X4D0086-01	
EPA 200.7	Zinc	mg/L	1.04	1.04	1.00	0.3	20	104	X415016 - X4D0086-01	
EPA 200.8	Antimony	mg/L	0.0310	0.0307	0.0250	1.2	20	124	X415044 - X4D0086-01	
EPA 200.8	Arsenic	mg/L	0.0300	0.0298	0.0250	0.7	20	120	X415044 - X4D0086-01	
EPA 200.8	Selenium	mg/L	0.0314	0.0307	0.0250	2.3	20	125	X415044 - X4D0086-01	
EPA 200.8	Thallium	mg/L	0.0288	0.0287	0.0250	0.6	20	115	X415044 - X4D0086-01	
EPA 200.8	Uranium	mg/L	0.0293	0.0292	0.0250	0.2	20	117	X415044 - X4D0086-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00243	0.00234	0.00200	3.9	20	122	X415207 - X4D0080-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.0940	0.100	9.1	11	103	X415113 - X4D0086-01	
EPA 335.4	Cyanide (total)	mg/L	0.108	0.104	0.100	4.1	20	108	X415003 - X4D0086-03	
EPA 350.1	Ammonia as N	mg/L	1.02	1.02	1.00	0.9	20	102	X415055 - X4D0139-03	
OIA 1677	Cyanide (WAD)	mg/L	0.112	0.101	0.100	10.3	11	110	X416129 - X4D0086-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.11	3.08	3.00	1.1	20	97.0	X414122 - X4D0124-07	
EPA 300.0	Fluoride	mg/L	1.97	1.94	2.00	1.5	20	96.8	X414122 - X4D0124-07	
EPA 300.0	Nitrate as N	mg/L	1.93	1.91	2.00	1.0	20	96.6	X414122 - X4D0124-07	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.92	3.91	4.00	0.1	20	98.0	X414122 - X4D0124-07	
EPA 300.0	Nitrite as N	mg/L	1.99	2.00	2.00	0.7	20	99.4	X414122 - X4D0124-07	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.1	10.0	1.3	20	101	X414122 - X4D0124-07	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0124**
Victor, CO 80860	Reported: 02-May-24 14:24

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0206**
Victor, CO 80860	Reported: 25-Apr-24 13:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-15 A	X4D0206-01	Ground Water	10-Apr-24 14:21	PB	11-Apr-2024	
OSABH-17	X4D0206-02	Ground Water	10-Apr-24 13:07	PB	11-Apr-2024	
GVMW-25	X4D0206-03	Ground Water	10-Apr-24 11:37	PB	11-Apr-2024	
GVMW-125	X4D0206-04	Ground Water	10-Apr-24 11:37	PB	11-Apr-2024	
RB-0410	X4D0206-05	Ground Water	10-Apr-24 10:55	PB	11-Apr-2024	

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

Case Narrative: X4D0206

The state of origin only accredits for drinking water analyses.

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **GVMW-15 A**
SVL Sample ID: **X4D0206-01 (Ground Water)**

Sampled: 10-Apr-24 14:21
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	17.3	mg/L	0.100	0.069		X416235	NMS	04/23/24 11:19	
EPA 200.7	**Magnesium**	15.6	mg/L	0.500	0.090		X416235	NMS	04/23/24 11:19	
EPA 200.7	**Potassium**	1.67	mg/L	0.50	0.18		X416235	NMS	04/23/24 11:19	
SM 2340 B	**Hardness (as CaCO3)**	112	mg/L	2.31	0.543		N/A		04/23/24 11:19	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Barium**	0.0556	mg/L	0.0020	0.0019		X416017	NMS	04/16/24 13:59	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X416017	NMS	04/16/24 13:59	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X416017	NMS	04/16/24 13:59	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Calcium**	16.7	mg/L	0.100	0.069		X416017	NMS	04/16/24 13:59	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Cobalt**	0.0157	mg/L	0.0060	0.0046		X416017	NMS	04/16/24 13:59	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Iron**	30.2	mg/L	0.100	0.056		X416017	NMS	04/16/24 13:59	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X416017	NMS	04/16/24 13:59	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Magnesium**	17.0	mg/L	0.500	0.090		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Manganese**	1.67	mg/L	0.0080	0.0034		X416017	NMS	04/16/24 13:59	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Nickel**	0.0497	mg/L	0.0100	0.0048		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Potassium**	1.57	mg/L	0.50	0.18		X416017	NMS	04/16/24 13:59	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Sodium**	11.6	mg/L	0.50	0.12		X416017	NMS	04/16/24 13:59	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X416017	NMS	04/16/24 13:59	
EPA 200.7	**Zinc**	0.149	mg/L	0.0100	0.0054		X416017	NMS	04/16/24 13:59	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415243	SMU	04/24/24 11:28	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415243	SMU	04/24/24 11:28	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415243	SMU	04/24/24 11:28	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415243	SMU	04/24/24 11:28	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X415243	SMU	04/24/24 11:28	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X416045	MAC	04/22/24 16:38	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X416100	DD	04/17/24 11:23	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X416002	DD	04/16/24 12:40	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X416053	DD	04/17/24 13:15	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416130	DD	04/19/24 13:31	M1
SM 2310 B	**Acidity to pH 8.3**	-19.8	mg/L as CaCO3	10.0			X416150	MWD	04/18/24 08:52	
SM 2320 B	**Total Alkalinity**	12.6	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:14	
SM 2320 B	**Bicarbonate**	12.6	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:14	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:14	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:14	
SM 2540 C	**Total Diss. Solids**	299	mg/L	10			X415170	TJL	04/15/24 14:10	
SM 2540 D	**Total Susp. Solids**	25.0	mg/L	5.0			X415171	TJL	04/15/24 16:00	
SM 4500 H B	**pH @19.1°C**	6.0	pH Units				X416068	MWD	04/16/24 14:14	H5

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

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Newmont - Cripple Creek & Victor
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **GVMW-15 A**
SVL Sample ID: **X4D0206-01 (Ground Water)**

Sampled: 10-Apr-24 14:21
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.45	mg/L	0.20	0.02		X415149	RS	04/11/24 13:41	
EPA 300.0	**Fluoride**	0.276	mg/L	0.100	0.017		X415149	RS	04/11/24 13:41	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X415149	RS	04/11/24 13:41	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X415149	RS	04/11/24 13:41	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X415149	RS	04/11/24 13:41	
EPA 300.0	**Sulfate as SO4**	163	mg/L	3.00	1.80	10	X415149	RS	04/11/24 13:59	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.82 meq/L Anion Sum: 3.70 meq/L C/A Balance: 1.54 % Calculated TDS: 219 TDS/cTDS: 1.37

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4D0206-02 (Ground Water)**

Sampled: 10-Apr-24 13:07
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	399	mg/L	2.00	1.38	20	X416235	NMS	04/23/24 11:23	D1
EPA 200.7	**Magnesium**	1580	mg/L	10.0	1.80	20	X416235	NMS	04/23/24 11:23	D2
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X416235	NMS	04/23/24 11:23	D1
SM 2340 B	**Hardness (as CaCO3)**	8100	mg/L	23.1	5.43		N/A		04/23/24 11:23	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	3750	mg/L	0.800	0.540	10	X416017	NMS	04/16/24 14:11	D2
EPA 200.7	Barium	< 0.0200	mg/L	0.0200	0.0190	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Beryllium**	0.669	mg/L	0.0200	0.00800	10	X416017	NMS	04/17/24 11:57	D1
EPA 200.7	Boron	< 0.400	mg/L	0.400	0.0780	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Cadmium**	7.80	mg/L	0.0200	0.0160	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Calcium**	405	mg/L	1.00	0.690	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Chromium**	0.821	mg/L	0.0600	0.0200	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Cobalt**	17.8	mg/L	0.0600	0.0460	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Copper**	15.2	mg/L	0.100	0.0270	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Iron**	161	mg/L	1.00	0.560	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	Lead	< 0.0750	mg/L	0.0750	0.0490	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Lithium**	2.59	mg/L	0.400	0.250	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Magnesium**	1720	mg/L	5.00	0.900	10	X416017	NMS	04/16/24 14:11	D2
EPA 200.7	**Manganese**	1140	mg/L	0.800	0.340	100	X416017	NMS	04/17/24 12:53	D2
EPA 200.7	Molybdenum	< 0.0800	mg/L	0.0800	0.0340	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Nickel**	15.5	mg/L	0.100	0.0480	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Potassium**	6.76	mg/L	5.00	1.80	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	Silver	< 0.0500	mg/L	0.0500	0.0190	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Sodium**	12.7	mg/L	5.00	1.20	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	Vanadium	< 0.0500	mg/L	0.0500	0.0190	10	X416017	NMS	04/16/24 14:11	D1
EPA 200.7	**Zinc**	293	mg/L	0.100	0.0540	10	X416017	NMS	04/17/24 11:57	D2
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415243	SMU	04/24/24 11:31	
EPA 200.8	**Arsenic**	0.00119	mg/L	0.00100	0.00021		X415243	SMU	04/24/24 11:31	
EPA 200.8	**Selenium**	0.00235	mg/L	0.00100	0.00024		X415243	SMU	04/24/24 11:31	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415243	SMU	04/24/24 11:31	
EPA 200.8	**Uranium**	0.148	mg/L	0.000100	0.000052		X415243	SMU	04/24/24 11:31	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X416045	MAC	04/22/24 16:40	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0100	mg/L	0.0100	0.0096	2	X416100	DD	04/17/24 11:25	D1,Q12
EPA 335.4	**Cyanide (total)**	0.0250	mg/L	0.0050	0.0038		X416002	DD	04/16/24 12:54	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X416053	DD	04/17/24 13:18	M1
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0020	2	X416130	DD	04/19/24 13:33	D1,Q12
SM 2310 B	**Acidity to pH 8.3**	23700	mg/L as CaCO3	10.0			X416150	MWD	04/18/24 08:52	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:19	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:19	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:19	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:19	
SM 2540 C	**Total Diss. Solids**	40900	mg/L	100			X415170	TJL	04/15/24 14:10	D2,E11
SM 2540 D	**Total Susp. Solids**	91.0	mg/L	5.0			X415171	TJL	04/15/24 16:00	
SM 4500 H B	**pH @19.0°C**	2.9	pH Units				X416068	MWD	04/16/24 14:19	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4D0206-02 (Ground Water)**

Sampled: 10-Apr-24 13:07
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	24.6	mg/L	20.0	2.20	100	X415149	RS	04/11/24 14:17	D2
EPA 300.0	**Fluoride**	461	mg/L	10.0	1.70	100	X415149	RS	04/11/24 14:17	D2
EPA 300.0	**Nitrate as N**	7.34	mg/L	5.00	1.30	100	X415149	RS	04/11/24 14:17	D2
EPA 300.0	Nitrate+Nitrite as N	< 10.0	mg/L	10.0	4.40	100	X415149	RS	04/11/24 14:17	D2
EPA 300.0	Nitrite as N	< 5.00	mg/L	5.00	3.10	100	X415149	RS	04/11/24 14:17	D1
EPA 300.0	**Sulfate as SO4**	30300	mg/L	300	180	1000	X415149	RS	04/11/24 14:35	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 625 meq/L Anion Sum: 656 meq/L C/A Balance: -2.45 % Calculated TDS: 32854 TDS/cTDS: 1.24

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4D0206-03 (Ground Water)**

Sampled: 10-Apr-24 11:37
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	436	mg/L	2.00	1.38	20	X416235	NMS	04/23/24 12:20	D2
EPA 200.7	**Magnesium**	320	mg/L	0.500	0.090		X416235	NMS	04/23/24 11:27	
EPA 200.7	**Potassium**	7.57	mg/L	0.50	0.18		X416235	NMS	04/23/24 11:27	
SM 2340 B	**Hardness (as CaCO3)**	2440	mg/L	2.31	0.543		N/A		04/16/24 14:15	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	320	mg/L	0.080	0.054		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Barium**	0.0127	mg/L	0.0020	0.0019		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Beryllium**	0.243	mg/L	0.00200	0.00080		X416017	NMS	04/17/24 12:00	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Cadmium**	0.767	mg/L	0.0020	0.0016		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Calcium**	451	mg/L	0.100	0.069		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Chromium**	0.0217	mg/L	0.0060	0.0020		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Cobalt**	0.816	mg/L	0.0060	0.0046		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Copper**	1.19	mg/L	0.0100	0.0027		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Iron**	0.303	mg/L	0.100	0.056		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Lead**	0.0081	mg/L	0.0075	0.0049		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Lithium**	0.196	mg/L	0.040	0.025		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Magnesium**	297	mg/L	0.500	0.090		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Manganese**	122	mg/L	0.0800	0.0340	10	X416017	NMS	04/17/24 15:46	D2
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Nickel**	1.40	mg/L	0.0100	0.0048		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Potassium**	6.70	mg/L	0.50	0.18		X416017	NMS	04/16/24 14:15	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Sodium**	38.9	mg/L	0.50	0.12		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Vanadium**	0.0119	mg/L	0.0050	0.0019		X416017	NMS	04/16/24 14:15	
EPA 200.7	**Zinc**	28.6	mg/L	0.0100	0.0054		X416017	NMS	04/17/24 12:00	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415243	SMU	04/24/24 11:33	
EPA 200.8	**Arsenic**	0.00953	mg/L	0.00100	0.00021		X415243	SMU	04/24/24 11:33	
EPA 200.8	**Selenium**	0.0278	mg/L	0.00100	0.00024		X415243	SMU	04/24/24 11:33	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X415243	SMU	04/24/24 13:37	D1
EPA 200.8	**Uranium**	1.25	mg/L	0.000500	0.000260	5	X415243	SMU	04/24/24 13:37	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X416045	MAC	04/22/24 16:42	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X416100	DD	04/17/24 11:27	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X416002	DD	04/16/24 12:56	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X416053	DD	04/17/24 13:20	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416130	DD	04/19/24 13:34	
SM 2310 B	**Acidity to pH 8.3**	2430	mg/L as CaCO3	10.0			X416150	MWD	04/18/24 08:52	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:24	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:24	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:24	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:24	
SM 2540 C	**Total Diss. Solids**	7480	mg/L	40			X415170	TJL	04/15/24 14:10	D2
SM 2540 D	**Total Susp. Solids**	29.0	mg/L	5.0			X415171	TJL	04/15/24 16:00	
SM 4500 H B	**pH @18.9°C**	3.9	pH Units				X416068	MWD	04/16/24 14:24	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4D0206-03 (Ground Water)**

Sampled: 10-Apr-24 11:37
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	20.8	mg/L	1.00	0.11	5	X415149	RS	04/11/24 14:53	D2
EPA 300.0	**Fluoride**	8.81	mg/L	0.500	0.085	5	X415149	RS	04/11/24 14:53	D2
EPA 300.0	**Nitrate as N**	2.75	mg/L	0.250	0.065	5	X415149	RS	04/11/24 14:53	D1
EPA 300.0	**Nitrate+Nitrite as N**	2.75	mg/L	0.500	0.220	5	X415149	RS	04/11/24 14:53	D1
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X415149	RS	04/11/24 14:53	D1
EPA 300.0	**Sulfate as SO4**	4430	mg/L	30.0	18.0	100	X415149	RS	04/11/24 15:11	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 96.7 meq/L Anion Sum: 93.5 meq/L C/A Balance: 1.66 % Calculated TDS: 5270 TDS/cTDS: 1.42

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

Kathryn Salter
Project Manager

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

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	X416235	23-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416235	23-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416235	23-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X416017	16-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X416017	16-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X416017	16-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X416017	16-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X416017	16-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X416017	16-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X416017	16-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X416017	16-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X416017	16-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X416017	16-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X416017	16-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X416017	16-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416017	16-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X416017	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X416017	16-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X416017	16-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416017	16-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X416017	16-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X416017	16-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X416017	16-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X416017	16-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X415243	24-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X415243	24-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X415243	24-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X415243	24-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X415243	24-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X416045	22-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X416100	17-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X416002	16-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X416053	17-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X416130	19-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X416150	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X415170	15-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X415171	15-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X415149	11-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X415149	11-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X415149	11-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X415149	11-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X415149	11-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X415149	11-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.5	20.0	98	85 - 115	X416235	23-Apr-24	
EPA 200.7	Magnesium	mg/L	19.8	20.0	98.9	85 - 115	X416235	23-Apr-24	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.7	85 - 115	X416235	23-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.950	1.00	95.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Barium	mg/L	0.980	1.00	98.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Beryllium	mg/L	0.986	1.00	98.6	85 - 115	X416017	16-Apr-24	
EPA 200.7	Boron	mg/L	0.973	1.00	97.3	85 - 115	X416017	16-Apr-24	
EPA 200.7	Cadmium	mg/L	0.978	1.00	97.8	85 - 115	X416017	16-Apr-24	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.5	85 - 115	X416017	16-Apr-24	
EPA 200.7	Chromium	mg/L	0.980	1.00	98.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Cobalt	mg/L	0.961	1.00	96.1	85 - 115	X416017	16-Apr-24	
EPA 200.7	Copper	mg/L	0.984	1.00	98.4	85 - 115	X416017	16-Apr-24	
EPA 200.7	Iron	mg/L	9.93	10.0	99.3	85 - 115	X416017	16-Apr-24	
EPA 200.7	Lead	mg/L	0.975	1.00	97.5	85 - 115	X416017	16-Apr-24	
EPA 200.7	Lithium	mg/L	0.960	1.00	96.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Magnesium	mg/L	19.8	20.0	98.9	85 - 115	X416017	16-Apr-24	
EPA 200.7	Manganese	mg/L	0.987	1.00	98.7	85 - 115	X416017	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.996	1.00	99.6	85 - 115	X416017	16-Apr-24	
EPA 200.7	Nickel	mg/L	0.968	1.00	96.8	85 - 115	X416017	16-Apr-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Silver	mg/L	0.0496	0.0500	99.2	85 - 115	X416017	16-Apr-24	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.3	85 - 115	X416017	16-Apr-24	
EPA 200.7	Vanadium	mg/L	0.993	1.00	99.3	85 - 115	X416017	16-Apr-24	
EPA 200.7	Zinc	mg/L	0.973	1.00	97.3	85 - 115	X416017	16-Apr-24	
EPA 200.8	Antimony	mg/L	0.0257	0.0250	103	85 - 115	X415243	24-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0230	0.0250	92.1	85 - 115	X415243	24-Apr-24	
EPA 200.8	Selenium	mg/L	0.0215	0.0250	86.2	85 - 115	X415243	24-Apr-24	
EPA 200.8	Thallium	mg/L	0.0241	0.0250	96.3	85 - 115	X415243	24-Apr-24	
EPA 200.8	Uranium	mg/L	0.0249	0.0250	99.4	85 - 115	X415243	24-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00217	0.00200	108	85 - 115	X416045	22-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0980	0.100	98.0	90 - 110	X416100	17-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.0980	0.100	98.0	90 - 110	X416002	16-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.996	1.00	99.6	90 - 110	X416053	17-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0950	0.100	95.0	90 - 110	X416130	19-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1650	1640	101	95.4 - 104	X416150	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.90	9.93	99.7	96.4 - 105	X416068	16-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X416068	16-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X415171	15-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	98.9	90 - 110	X415149	11-Apr-24	
EPA 300.0	Fluoride	mg/L	1.95	2.00	97.5	90 - 110	X415149	11-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.98	2.00	99.1	90 - 110	X415149	11-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.46	4.50	99.2	90 - 110	X415149	11-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.48	2.50	99.3	90 - 110	X415149	11-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X415149	11-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

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	X416150 - X4D0206-01	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	294	299	1.7	10	X415170 - X4D0206-01	15-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	363	368	1.4	10	X415170 - X4D0201-01	15-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	24.0	25.0	4.1	10	X415171 - X4D0206-01	15-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X415171 - X4D0201-01	15-Apr-24	
SM 4500 H B	pH @19.2°C	pH Units	2.9	2.9	0.3	20	X416068 - X4D0206-02	16-Apr-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	75.7	56.3	20.0	97	70 - 130	X416235 - X4D0201-01	23-Apr-24	
EPA 200.7	Calcium	mg/L	29.9	11.1	20.0	94	70 - 130	X416235 - X4D0245-04	23-Apr-24	
EPA 200.7	Magnesium	mg/L	42.1	21.2	20.0	104	70 - 130	X416235 - X4D0201-01	23-Apr-24	
EPA 200.7	Magnesium	mg/L	19.9	0.696	20.0	96.2	70 - 130	X416235 - X4D0245-04	23-Apr-24	
EPA 200.7	Potassium	mg/L	30.7	11.2	20.0	97.7	70 - 130	X416235 - X4D0201-01	23-Apr-24	
EPA 200.7	Potassium	mg/L	19.4	<0.50	20.0	96.9	70 - 130	X416235 - X4D0245-04	23-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	10.6	9.54	1.00	104	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Aluminum	mg/L	0.947	<0.080	1.00	94.7	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Barium	mg/L	1.03	0.0447	1.00	99.0	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Barium	mg/L	0.957	<0.0020	1.00	95.7	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Beryllium	mg/L	0.946	0.00582	1.00	94.0	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Beryllium	mg/L	0.970	<0.00200	1.00	97.0	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Boron	mg/L	0.991	<0.0400	1.00	97.3	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Boron	mg/L	0.968	<0.0400	1.00	96.8	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Cadmium	mg/L	1.02	0.0783	1.00	94.5	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Cadmium	mg/L	0.975	<0.0020	1.00	97.5	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Calcium	mg/L	276	255	20.0	107	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Calcium	mg/L	19.2	<0.100	20.0	95.9	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Chromium	mg/L	0.955	<0.0060	1.00	95.5	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Chromium	mg/L	0.965	<0.0060	1.00	96.5	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Cobalt	mg/L	1.14	0.196	1.00	94.6	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Cobalt	mg/L	0.954	<0.0060	1.00	95.4	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Copper	mg/L	11.1	10.4	1.00	0.30R>S	70 - 130	X416017 - X4D0164-01	16-Apr-24	M3
EPA 200.7	Copper	mg/L	0.934	<0.0100	1.00	93.4	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Iron	mg/L	9.87	<0.100	10.0	98.7	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Iron	mg/L	9.83	<0.100	10.0	98.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Lead	mg/L	0.999	0.0510	1.00	94.8	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Lead	mg/L	0.975	<0.0075	1.00	97.5	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Lithium	mg/L	0.972	<0.040	1.00	94.5	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Lithium	mg/L	0.944	<0.040	1.00	94.4	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Magnesium	mg/L	136	114	20.0	109	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Magnesium	mg/L	19.7	<0.500	20.0	98.4	70 - 130	X416017 - X4D0212-05	16-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

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	15.6	14.8	1.00	79.5	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Manganese	mg/L	0.965	<0.0080	1.00	96.5	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.979	<0.0080	1.00	97.9	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.973	<0.0080	1.00	97.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Nickel	mg/L	1.11	0.150	1.00	95.6	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Nickel	mg/L	0.962	<0.0100	1.00	96.2	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Potassium	mg/L	23.5	3.58	20.0	99.7	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Potassium	mg/L	19.3	<0.50	20.0	96.7	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Silver	mg/L	0.0484	<0.0050	0.0500	96.7	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Silver	mg/L	0.0481	<0.0050	0.0500	96.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Sodium	mg/L	40.5	21.8	19.0	98.4	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Sodium	mg/L	18.5	<0.50	19.0	96.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Vanadium	mg/L	0.988	<0.0050	1.00	98.8	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Vanadium	mg/L	0.978	<0.0050	1.00	97.8	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Zinc	mg/L	17.8	17.8	1.00	0.30R>S	70 - 130	X416017 - X4D0164-01	16-Apr-24	M3
EPA 200.7	Zinc	mg/L	0.983	<0.0100	1.00	98.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.8	Antimony	mg/L	0.0280	<0.00100	0.0250	112	70 - 130	X415243 - X4D0206-01	24-Apr-24	
EPA 200.8	Antimony	mg/L	0.0297	<0.00100	0.0250	119	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0388	<0.00100	0.0250	154	70 - 130	X415243 - X4D0206-01	24-Apr-24	M1
EPA 200.8	Arsenic	mg/L	0.0363	0.00525	0.0250	124	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Selenium	mg/L	0.0556	<0.00100	0.0250	222	70 - 130	X415243 - X4D0206-01	24-Apr-24	M1
EPA 200.8	Selenium	mg/L	0.0290	<0.00100	0.0250	112	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Thallium	mg/L	0.0304	<0.000200	0.0250	121	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Thallium	mg/L	0.0263	<0.00100	0.0250	105	70 - 130	X415243 - X4D0206-01	24-Apr-24	D1
EPA 200.8	Uranium	mg/L	0.0353	0.00343	0.0250	128	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Uranium	mg/L	1.37	<0.000500	0.0250	5476	70 - 130	X415243 - X4D0206-01	24-Apr-24	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X416045 - X4D0206-01	22-Apr-24	
EPA 245.1	Mercury	mg/L	0.0423	0.0386	0.00200	0.30R>S	70 - 130	X416045 - X4D0254-01	22-Apr-24	D2,M4
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.107	<0.0050	0.100	107	79 - 121	X416100 - X4D0253-06	17-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.0911	<0.0050	0.100	91.1	90 - 110	X416002 - X4D0158-01	16-Apr-24	R2B
EPA 350.1	Ammonia as N	mg/L	1.08	<0.030	1.00	108	90 - 110	X416053 - X4D0206-02	17-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.04	<0.030	1.00	104	90 - 110	X416053 - X4D0206-04	17-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.115	<0.0050	0.100	114	82 - 118	X416130 - X4D0206-01	19-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	18.7	15.9	3.00	90.3	90 - 110	X415149 - X4D0199-01	11-Apr-24	D2
EPA 300.0	Chloride	mg/L	3.17	0.22	3.00	98.4	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Fluoride	mg/L	1.97	<0.100	2.00	97.1	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Fluoride	mg/L	1.99	<0.100	2.00	97.6	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.13	0.169	2.00	98.0	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.96	<0.050	2.00	98.1	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.14	0.173	4.00	99.1	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.99	<0.100	4.00	99.6	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	25.0	15.0	10.0	99.9	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.5	0.30	10.0	102	90 - 110	X415149 - X4D0206-05	11-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	74.6	75.7	20.0	1.0	20	92	X416235 - X4D0201-01	
EPA 200.7	Magnesium	mg/L	41.3	42.1	20.0	1.9	20	100	X416235 - X4D0201-01	
EPA 200.7	Potassium	mg/L	30.3	30.7	20.0	1.4	20	95.5	X416235 - X4D0201-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	10.7	10.6	1.00	1.1	20	116	X416017 - X4D0164-01	
EPA 200.7	Barium	mg/L	1.02	1.03	1.00	1.4	20	97.5	X416017 - X4D0164-01	
EPA 200.7	Beryllium	mg/L	0.952	0.946	1.00	0.6	20	94.6	X416017 - X4D0164-01	
EPA 200.7	Boron	mg/L	1.01	0.991	1.00	1.9	20	99.2	X416017 - X4D0164-01	
EPA 200.7	Cadmium	mg/L	1.02	1.02	1.00	0.3	20	94.2	X416017 - X4D0164-01	
EPA 200.7	Calcium	mg/L	275	276	20.0	0.3	20	103	X416017 - X4D0164-01	
EPA 200.7	Chromium	mg/L	0.950	0.955	1.00	0.6	20	95.0	X416017 - X4D0164-01	
EPA 200.7	Cobalt	mg/L	1.14	1.14	1.00	0.3	20	94.3	X416017 - X4D0164-01	
EPA 200.7	Copper	mg/L	11.2	11.1	1.00	0.7	20	73.6	X416017 - X4D0164-01	
EPA 200.7	Iron	mg/L	9.86	9.87	10.0	0.1	20	98.6	X416017 - X4D0164-01	
EPA 200.7	Lead	mg/L	1.00	0.999	1.00	0.1	20	94.9	X416017 - X4D0164-01	
EPA 200.7	Lithium	mg/L	0.997	0.972	1.00	2.5	20	97.0	X416017 - X4D0164-01	
EPA 200.7	Magnesium	mg/L	133	136	20.0	1.8	20	97.3	X416017 - X4D0164-01	
EPA 200.7	Manganese	mg/L	15.8	15.6	1.00	0.9	20	94.0	X416017 - X4D0164-01	
EPA 200.7	Molybdenum	mg/L	0.976	0.979	1.00	0.3	20	97.6	X416017 - X4D0164-01	
EPA 200.7	Nickel	mg/L	1.11	1.11	1.00	0.0	20	95.5	X416017 - X4D0164-01	
EPA 200.7	Potassium	mg/L	23.5	23.5	20.0	0.1	20	99.7	X416017 - X4D0164-01	
EPA 200.7	Silver	mg/L	0.0500	0.0484	0.0500	3.4	20	100	X416017 - X4D0164-01	
EPA 200.7	Sodium	mg/L	40.4	40.5	19.0	0.1	20	98.1	X416017 - X4D0164-01	
EPA 200.7	Vanadium	mg/L	0.983	0.988	1.00	0.5	20	98.3	X416017 - X4D0164-01	
EPA 200.7	Zinc	mg/L	17.9	17.8	1.00	1.0	20	0.30R>S	X416017 - X4D0164-01	M3
EPA 200.8	Antimony	mg/L	0.0285	0.0280	0.0250	1.7	20	114	X415243 - X4D0206-01	
EPA 200.8	Arsenic	mg/L	0.0386	0.0388	0.0250	0.5	20	153	X415243 - X4D0206-01	M1
EPA 200.8	Selenium	mg/L	0.0560	0.0556	0.0250	0.7	20	224	X415243 - X4D0206-01	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00211	0.00209	0.00200	1.0	20	105	X416045 - X4D0206-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.109	0.107	0.100	1.9	11	109	X416100 - X4D0253-06	
EPA 335.4	Cyanide (total)	mg/L	0.0477	0.0911	0.100	62.5	20	47.7	X416002 - X4D0158-01	M2,R2B
EPA 350.1	Ammonia as N	mg/L	1.14	1.08	1.00	5.2	20	114	X416053 - X4D0206-02	M1
OIA 1677	Cyanide (WAD)	mg/L	0.120	0.115	0.100	4.3	11	119	X416130 - X4D0206-01	M1
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	18.7	18.7	3.00	0.5	20	93.4	X415149 - X4D0199-01	D2
EPA 300.0	Fluoride	mg/L	2.04	1.97	2.00	3.2	20	100	X415149 - X4D0199-01	
EPA 300.0	Nitrate as N	mg/L	2.19	2.13	2.00	2.8	20	101	X415149 - X4D0199-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.27	4.14	4.00	3.1	20	102	X415149 - X4D0199-01	
EPA 300.0	Nitrite as N	mg/L	2.08	2.01	2.00	3.4	20	104	X415149 - X4D0199-01	
EPA 300.0	Sulfate as SO4	mg/L	25.2	25.0	10.0	1.1	20	103	X415149 - X4D0199-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0206**
Victor, CO 80860	Reported: 25-Apr-24 13:09

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
E11	Sample exceeds method-specified limit for solids content.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
Q12	Sample was received and analyzed with pH <12.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0271**
Victor, CO 80860	Reported: 03-May-24 11:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GV-06	X4D0271-01	Surface Water	15-Apr-24 13:45	PB	16-Apr-2024	

Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

Case Narrative: X4D0271

5/3/24 KWS This report is reissued to report Total Chlorine.

The state of origin only accredits for drinking water analyses.

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0271**
Reported: 03-May-24 11:27

Client Sample ID: **GV-06**
SVL Sample ID: **X4D0271-01 (Surface Water)**

Sampled: 15-Apr-24 13:45
Received: 16-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 1631E	**Mercury**	5.36	ng/L	0.500	0.120		X416194	MAC	04/21/24 01:11	
EPA 245.1	Mercury	< 0.000093	mg/L	0.000200	0.000093		X416038	MAC	04/16/24 19:17	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.115	mg/L	0.0020	0.0019		X416076	NMS	04/17/24 13:53	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X416076	NMS	04/17/24 13:53	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X416076	NMS	04/17/24 13:53	
EPA 200.7	**Calcium**	21.4	mg/L	0.100	0.069		X416076	NMS	04/17/24 13:53	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X416076	NMS	04/17/24 13:53	
EPA 200.7	**Iron**	2.19	mg/L	0.100	0.056		X416076	NMS	04/17/24 13:53	
EPA 200.7	**Magnesium**	5.59	mg/L	0.500	0.090		X416076	NMS	04/17/24 13:53	
EPA 200.7	**Manganese**	1.94	mg/L	0.0080	0.0034		X416076	NMS	04/17/24 13:53	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X416076	NMS	04/17/24 13:53	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X416076	NMS	04/17/24 13:53	
EPA 200.7	**Phosphorus**	0.166	mg/L	0.050	0.013		X416076	NMS	04/17/24 13:53	
EPA 200.7	**Potassium**	8.45	mg/L	0.50	0.18		X416076	NMS	04/17/24 13:53	
EPA 200.7	**Sodium**	4.65	mg/L	0.50	0.12		X416076	NMS	04/17/24 13:53	M3
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X416076	NMS	04/17/24 13:53	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X416074	SMU	04/17/24 11:52	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X416074	SMU	04/17/24 11:52	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X416074	SMU	04/17/24 11:52	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X416074	SMU	04/17/24 11:52	
EPA 200.8	**Copper**	0.00124	mg/L	0.00040	0.00036		X416074	SMU	04/17/24 11:52	
EPA 200.8	**Lead**	0.00091	mg/L	0.00020	0.00014		X416074	SMU	04/17/24 11:52	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X416074	SMU	04/17/24 11:52	
SM 2340 B	**Hardness (as CaC03)**	76.4	mg/L	2.31	0.543		N/A		04/16/24 10:24	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X416065	NMS	04/16/24 10:24	
EPA 200.7	**Barium**	0.0919	mg/L	0.0020	0.0019		X416065	NMS	04/16/24 10:24	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X416065	NMS	04/16/24 10:24	
EPA 200.7	**Calcium**	18.9	mg/L	0.100	0.069		X416065	NMS	04/16/24 10:24	
EPA 200.7	**Iron**	0.740	mg/L	0.100	0.056		X416065	NMS	04/16/24 10:24	
EPA 200.7	**Magnesium**	5.06	mg/L	0.500	0.090		X416065	NMS	04/16/24 10:24	
EPA 200.7	**Manganese**	1.89	mg/L	0.0080	0.0034		X416065	NMS	04/16/24 10:24	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X416065	NMS	04/16/24 10:24	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X416065	NMS	04/16/24 10:24	
EPA 200.7	**Potassium**	7.92	mg/L	0.50	0.18		X416065	NMS	04/16/24 10:24	
EPA 200.7	**Sodium**	4.22	mg/L	0.50	0.12		X416065	NMS	04/16/24 10:24	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X416065	NMS	04/16/24 10:24	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X416067	SMU	04/16/24 10:26	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X416067	SMU	04/16/24 10:26	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X416067	SMU	04/16/24 10:26	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X416067	SMU	04/16/24 10:26	
EPA 200.8	**Copper**	0.00088	mg/L	0.00040	0.00036		X416067	SMU	04/16/24 10:26	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X416067	SMU	04/16/24 10:26	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X416067	SMU	04/16/24 10:26	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X416067	SMU	04/16/24 10:26	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X416067	SMU	04/16/24 10:26	
EPA 200.8	**Uranium**	0.000533	mg/L	0.000100	0.000052		X416067	SMU	04/16/24 10:26	

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0271**
Reported: 03-May-24 11:27

Client Sample ID: **GV-06**
SVL Sample ID: **X4D0271-01 (Surface Water)**

Sampled: 15-Apr-24 13:45
Received: 16-Apr-24
Sampled By: PB

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		X416016	MAC	04/16/24 18:24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X416099	DD	04/17/24 11:07	
Calculation	Chromium(III)	< 0.0160	mg/L	0.0160	0.00580		N/A		04/17/24 17:00	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X416073	DD	04/16/24 15:04	
EPA 350.1	**Ammonia as N**	0.082	mg/L	0.030	0.013		X416053	DD	04/17/24 14:18	
EPA 351.2	**TKN**	0.75	mg/L	0.50	0.31		X416111	DD	04/18/24 14:23	
Hach 8167	**Total Chlorine**	0.68	mg/L	0.020			X418249	MCM	05/02/24 14:09	H5,N1
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:21	
SM 2310 B	**Acidity to pH 8.3**	-51.3	mg/L as CaCO3	10.0			X416150	MWD	04/18/24 08:52	
SM 2320 B	**Total Alkalinity**	45.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:56	
SM 2320 B	**Bicarbonate**	45.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:56	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:56	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:56	
SM 2540 C	**Total Diss. Solids**	118	mg/L	10			X416070	TJL	04/17/24 14:30	
SM 2540 D	**Total Susp. Solids**	16.0	mg/L	5.0			X416071	TJL	04/17/24 15:50	
SM 4500 H B	**pH @19.9°C**	7.3	pH Units				X416068	MWD	04/16/24 14:56	H5
SM 4500 S D	Sulfide	< 0.100	mg/L	0.100	0.040	2	X416054	MCM	04/16/24 17:03	D1
SM 4500-O-G	**Dissolved Oxygen**	5.6	mg/L	0.1			X416072	TJL	04/16/24 14:10	H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0100	mg/L	0.0100	0.0038	2	X416103	MCM	04/17/24 17:00	D1
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.0110	mg/L	0.0110	0.00397		N/A		04/17/24 17:00	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.13	mg/L	0.20	0.02		X416066	RS	04/16/24 13:25	
EPA 300.0	**Fluoride**	0.499	mg/L	0.100	0.017		X416066	RS	04/16/24 13:25	
EPA 300.0	**Nitrate as N**	0.722	mg/L	0.050	0.013		X416066	RS	04/16/24 13:25	
EPA 300.0	**Nitrate+Nitrite as N**	0.733	mg/L	0.100	0.044		X416066	RS	04/16/24 13:25	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X416066	RS	04/16/24 13:25	
EPA 300.0	**Sulfate as SO4**	18.0	mg/L	0.30	0.18		X416066	RS	04/16/24 13:25	

Cation/Anion Balance and TDS Ratios

Cation Sum: 1.85 meq/L Anion Sum: 1.50 meq/L C/A Balance: 10.65 % Calculated TDS: 92 TDS/cTDS: 1.28

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

Kathryn Salter
Project Manager

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0271**
Reported: 03-May-24 11:27

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	X416194	20-Apr-24	
EPA 1631E	Mercury	ng/L	<0.500	0.120	0.500	X416194	21-Apr-24	
EPA 1631E	Mercury	ng/L	<0.500	0.120	0.500	X416194	21-Apr-24	
EPA 245.1	Mercury	mg/L	<0.000093	0.000093	0.000200	X416038	16-Apr-24	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X416076	17-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X416076	17-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X416076	17-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X416076	17-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X416076	17-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X416076	17-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416076	17-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X416076	17-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X416076	17-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X416076	17-Apr-24	
EPA 200.7	Phosphorus	mg/L	<0.050	0.013	0.050	X416076	17-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416076	17-Apr-24	
EPA 200.7	Sodium	mg/L	<0.12	0.12	0.50	X416076	17-Apr-24	U
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X416076	17-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X416074	17-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X416074	17-Apr-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X416074	17-Apr-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X416074	17-Apr-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X416074	17-Apr-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X416074	17-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X416074	17-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X416065	16-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X416065	16-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X416065	16-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X416065	16-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X416065	16-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416065	16-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X416065	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X416065	16-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X416065	16-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416065	16-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X416065	16-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X416065	16-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X416067	16-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X416067	16-Apr-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X416067	16-Apr-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X416067	16-Apr-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X416067	16-Apr-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X416067	16-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X416067	16-Apr-24	
EPA 200.8	Silver	mg/L	<0.00008	0.000061	0.00008	X416067	16-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X416067	16-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X416067	16-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X416016	16-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X416099	17-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X416073	16-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0271**
Reported: 03-May-24 11:27

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Classical Chemistry Parameters (Continued)								
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X416053	17-Apr-24	
EPA 351.2	TKN	mg/L	<0.50	0.31	0.50	X416111	18-Apr-24	
Hach 8167	Total Chlorine	mg/L	<0.020		0.020	X418249	02-May-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X416129	26-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X416150	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X416070	17-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X416071	17-Apr-24	
SM 4500 S D	Sulfide	mg/L	<0.050	0.020	0.050	X416054	16-Apr-24	
Dissolved Classical Chemistry Parameters								
SM 3500 Cr B	Hexavalent Chromium	mg/L	<0.0050	0.0019	0.0050	X416103	17-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X416066	16-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X416066	16-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X416066	16-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X416066	16-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X416066	16-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X416066	16-Apr-24	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 1631E	Mercury	ng/L	4.82	5.00	96.4	77 - 123	X416194	21-Apr-24	
EPA 245.1	Mercury	mg/L	0.00213	0.00200	107	85 - 115	X416038	16-Apr-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Barium	mg/L	0.996	1.00	99.6	85 - 115	X416076	17-Apr-24	
EPA 200.7	Beryllium	mg/L	0.995	1.00	99.5	85 - 115	X416076	17-Apr-24	
EPA 200.7	Boron	mg/L	0.982	1.00	98.2	85 - 115	X416076	17-Apr-24	
EPA 200.7	Calcium	mg/L	20.9	20.0	105	85 - 115	X416076	17-Apr-24	
EPA 200.7	Chromium	mg/L	0.979	1.00	97.9	85 - 115	X416076	17-Apr-24	
EPA 200.7	Iron	mg/L	10.8	10.0	108	85 - 115	X416076	17-Apr-24	
EPA 200.7	Magnesium	mg/L	21.3	20.0	106	85 - 115	X416076	17-Apr-24	
EPA 200.7	Manganese	mg/L	0.994	1.00	99.4	85 - 115	X416076	17-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.993	1.00	99.3	85 - 115	X416076	17-Apr-24	
EPA 200.7	Nickel	mg/L	0.982	1.00	98.2	85 - 115	X416076	17-Apr-24	
EPA 200.7	Phosphorus	mg/L	1.04	1.00	104	85 - 115	X416076	17-Apr-24	
EPA 200.7	Potassium	mg/L	20.2	20.0	101	85 - 115	X416076	17-Apr-24	
EPA 200.7	Sodium	mg/L	20.1	19.0	106	85 - 115	X416076	17-Apr-24	
EPA 200.7	Zinc	mg/L	0.985	1.00	98.5	85 - 115	X416076	17-Apr-24	
EPA 200.8	Antimony	mg/L	0.0260	0.0250	104	85 - 115	X416074	17-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0246	0.0250	98.3	85 - 115	X416074	17-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0247	0.0250	98.8	85 - 115	X416074	17-Apr-24	
EPA 200.8	Chromium	mg/L	0.0248	0.0250	99.3	85 - 115	X416074	17-Apr-24	
EPA 200.8	Copper	mg/L	0.0250	0.0250	99.8	85 - 115	X416074	17-Apr-24	
EPA 200.8	Lead	mg/L	0.0247	0.0250	98.7	85 - 115	X416074	17-Apr-24	
EPA 200.8	Selenium	mg/L	0.0241	0.0250	96.5	85 - 115	X416074	17-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0271**
Reported: 03-May-24 11:27

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.963	1.00	96.3	85 - 115	X416065	16-Apr-24	
EPA 200.7	Barium	mg/L	0.992	1.00	99.2	85 - 115	X416065	16-Apr-24	
EPA 200.7	Beryllium	mg/L	0.968	1.00	96.8	85 - 115	X416065	16-Apr-24	
EPA 200.7	Calcium	mg/L	19.6	20.0	98.0	85 - 115	X416065	16-Apr-24	
EPA 200.7	Iron	mg/L	9.89	10.0	98.9	85 - 115	X416065	16-Apr-24	
EPA 200.7	Magnesium	mg/L	19.8	20.0	98.9	85 - 115	X416065	16-Apr-24	
EPA 200.7	Manganese	mg/L	0.971	1.00	97.1	85 - 115	X416065	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.993	1.00	99.3	85 - 115	X416065	16-Apr-24	
EPA 200.7	Nickel	mg/L	0.966	1.00	96.6	85 - 115	X416065	16-Apr-24	
EPA 200.7	Potassium	mg/L	19.8	20.0	99.0	85 - 115	X416065	16-Apr-24	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.3	85 - 115	X416065	16-Apr-24	
EPA 200.7	Zinc	mg/L	0.977	1.00	97.7	85 - 115	X416065	16-Apr-24	
EPA 200.8	Antimony	mg/L	0.0236	0.0250	94.4	85 - 115	X416067	16-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0233	0.0250	93.3	85 - 115	X416067	16-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0233	0.0250	93.3	85 - 115	X416067	16-Apr-24	
EPA 200.8	Chromium	mg/L	0.0254	0.0250	102	85 - 115	X416067	16-Apr-24	
EPA 200.8	Copper	mg/L	0.0243	0.0250	97.0	85 - 115	X416067	16-Apr-24	
EPA 200.8	Lead	mg/L	0.0251	0.0250	101	85 - 115	X416067	16-Apr-24	
EPA 200.8	Selenium	mg/L	0.0216	0.0250	86.3	85 - 115	X416067	16-Apr-24	
EPA 200.8	Silver	mg/L	0.0256	0.0250	102	85 - 115	X416067	16-Apr-24	
EPA 200.8	Thallium	mg/L	0.0253	0.0250	101	85 - 115	X416067	16-Apr-24	
EPA 200.8	Uranium	mg/L	0.0250	0.0250	100	85 - 115	X416067	16-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00195	0.00200	97.3	85 - 115	X416016	16-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.107	0.100	107	90 - 110	X416099	17-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.106	0.100	106	90 - 110	X416073	16-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.996	1.00	99.6	90 - 110	X416053	17-Apr-24	
EPA 351.2	TKN	mg/L	7.95	8.00	99.4	90 - 110	X416111	18-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.110	0.100	110	90 - 110	X416129	26-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1650	1640	101	95.4 - 104	X416150	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.90	9.93	99.7	96.4 - 105	X416068	16-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X416068	16-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X416071	17-Apr-24	
SM 4500 S D	Sulfide	mg/L	0.478	0.500	95.6	85 - 115	X416054	16-Apr-24	
Dissolved Classical Chemistry Parameters									
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.104	0.100	104	80 - 120	X416103	17-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	99.0	90 - 110	X416066	16-Apr-24	
EPA 300.0	Fluoride	mg/L	1.93	2.00	96.6	90 - 110	X416066	16-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.97	2.00	98.7	90 - 110	X416066	16-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.45	4.50	98.8	90 - 110	X416066	16-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.47	2.50	98.9	90 - 110	X416066	16-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X416066	16-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0271**
Reported: 03-May-24 11:27

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
Hach 8167	Total Chlorine	mg/L	0.680	0.680	0.0	20	X418249 - X4D0271-01	02-May-24	H5
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X416150 - X4D0206-01	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	119	118	0.8	10	X416070 - X4D0271-01	17-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	15.0	16.0	6.5	10	X416071 - X4D0271-01	17-Apr-24	
SM 4500 H B	pH @19.2°C	pH Units	2.9	2.9	0.3	20	X416068 - X4D0206-02	16-Apr-24	
SM 4500-O-G	Dissolved Oxygen	mg/L	5.7	5.6	1.8	20	X416072 - X4D0271-01	16-Apr-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total)										
EPA 1631E	Mercury	ng/L	3.39	0.789	2.50	104	71 - 125	X416194 - X4D0172-01	21-Apr-24	
EPA 245.1	Mercury	mg/L	0.00200	<0.000093	0.00200	100	70 - 130	X416038 - X4D0209-01	16-Apr-24	
EPA 245.1	Mercury	mg/L	0.00202	<0.000093	0.00200	101	70 - 130	X416038 - X4D0209-10	16-Apr-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	1.07	0.0506	1.00	102	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Beryllium	mg/L	1.01	<0.00200	1.00	101	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Boron	mg/L	1.16	0.163	1.00	99.5	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Calcium	mg/L	173	158	20.0	78	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Chromium	mg/L	0.978	<0.0060	1.00	97.8	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Iron	mg/L	11.1	<0.100	10.0	111	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Magnesium	mg/L	30.0	8.59	20.0	107	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Manganese	mg/L	1.08	0.0745	1.00	101	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.03	0.0130	1.00	101	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Nickel	mg/L	0.973	<0.0100	1.00	97.3	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Phosphorus	mg/L	1.12	<0.050	1.00	112	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Potassium	mg/L	42.3	21.9	20.0	102	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Sodium	mg/L	88.7	69.7	19.0	100	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.7	Zinc	mg/L	0.967	<0.0100	1.00	96.7	70 - 130	X416076 - X4D0272-01	17-Apr-24	
EPA 200.8	Antimony	mg/L	0.0482	0.0222	0.0250	104	70 - 130	X416074 - X4D0272-01	17-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0257	<0.00100	0.0250	102	70 - 130	X416074 - X4D0272-01	17-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0231	<0.000100	0.0250	92.4	70 - 130	X416074 - X4D0272-01	17-Apr-24	
EPA 200.8	Chromium	mg/L	0.0258	<0.00100	0.0250	103	70 - 130	X416074 - X4D0272-01	17-Apr-24	
EPA 200.8	Copper	mg/L	0.0256	0.00189	0.0250	94.8	70 - 130	X416074 - X4D0272-01	17-Apr-24	
EPA 200.8	Lead	mg/L	0.0264	0.00144	0.0250	99.8	70 - 130	X416074 - X4D0272-01	17-Apr-24	
EPA 200.8	Selenium	mg/L	0.0243	<0.00100	0.0250	96.1	70 - 130	X416074 - X4D0272-01	17-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.06	<0.080	1.00	99.2	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Barium	mg/L	1.12	0.0919	1.00	103	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Beryllium	mg/L	0.983	<0.00200	1.00	98.3	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Calcium	mg/L	38.8	18.9	20.0	99.9	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Iron	mg/L	10.8	0.740	10.0	101	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Magnesium	mg/L	25.9	5.06	20.0	104	70 - 130	X416065 - X4D0271-01	16-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0271**
Reported: 03-May-24 11:27

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	2.82	1.89	1.00	93.5	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.02	<0.0080	1.00	102	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Potassium	mg/L	27.9	7.92	20.0	99.9	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Sodium	mg/L	23.3	4.22	19.0	100	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.7	Zinc	mg/L	1.03	<0.0100	1.00	102	70 - 130	X416065 - X4D0271-01	16-Apr-24	
EPA 200.8	Antimony	mg/L	0.0287	<0.00100	0.0250	115	70 - 130	X416067 - X4D0271-01	16-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0291	<0.00100	0.0250	114	70 - 130	X416067 - X4D0271-01	16-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0278	<0.000100	0.0250	111	70 - 130	X416067 - X4D0271-01	16-Apr-24	
EPA 200.8	Chromium	mg/L	0.0282	<0.00100	0.0250	110	70 - 130	X416067 - X4D0271-01	16-Apr-24	
EPA 200.8	Copper	mg/L	0.0276	0.00088	0.0250	107	70 - 130	X416067 - X4D0271-01	16-Apr-24	
EPA 200.8	Lead	mg/L	0.0279	<0.00020	0.0250	111	70 - 130	X416067 - X4D0271-01	16-Apr-24	
EPA 200.8	Selenium	mg/L	0.0299	<0.00100	0.0250	118	70 - 130	X416067 - X4D0271-01	16-Apr-24	
EPA 200.8	Silver	mg/L	0.0265	<0.00008	0.0250	106	70 - 130	X416067 - X4D0271-01	16-Apr-24	
EPA 200.8	Thallium	mg/L	0.0279	<0.000200	0.0250	111	70 - 130	X416067 - X4D0271-01	16-Apr-24	
EPA 200.8	Uranium	mg/L	0.0293	0.000533	0.0250	115	70 - 130	X416067 - X4D0271-01	16-Apr-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	<0.000200	0.00200	104	70 - 130	X416016 - X4D0140-01	16-Apr-24	
EPA 245.1	Mercury	mg/L	0.00466	0.00269	0.00200	98.4	70 - 130	X416016 - X4D0141-01	16-Apr-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.130	<0.0050	0.100	130	79 - 121	X416099 - X4D0271-01	17-Apr-24	M1
EPA 335.4	Cyanide (total)	mg/L	0.109	<0.0050	0.100	109	90 - 110	X416073 - X4D0271-01	16-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.08	<0.030	1.00	108	90 - 110	X416053 - X4D0206-02	17-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.04	<0.030	1.00	104	90 - 110	X416053 - X4D0206-04	17-Apr-24	
EPA 351.2	TKN	mg/L	7.66	<0.50	8.00	95.8	90 - 110	X416111 - X4D0216-01	18-Apr-24	
EPA 351.2	TKN	mg/L	5.67	<0.50	8.00	70.9	90 - 110	X416111 - X4D0216-03	18-Apr-24	M2
OIA 1677	Cyanide (WAD)	mg/L	0.101	<0.0050	0.100	99.0	82 - 118	X416129 - X4D0086-01	26-Apr-24	
SM 4500 S D	Sulfide	mg/L	0.212	<0.050	0.200	106	75 - 125	X416054 - X4D0248-06	16-Apr-24	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0216	<0.0050	0.0200	108	75 - 125	X416103 - X4D0283-02	17-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.06	5.13	3.00	97.5	90 - 110	X416066 - X4D0271-01	16-Apr-24	
EPA 300.0	Chloride	mg/L	4.70	1.76	3.00	98.0	90 - 110	X416066 - X4D0297-01	16-Apr-24	
EPA 300.0	Fluoride	mg/L	2.45	0.499	2.00	97.5	90 - 110	X416066 - X4D0271-01	16-Apr-24	
EPA 300.0	Fluoride	mg/L	2.04	<0.100	2.00	97.2	90 - 110	X416066 - X4D0297-01	16-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.68	0.722	2.00	98.1	90 - 110	X416066 - X4D0271-01	16-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.01	0.064	2.00	97.4	90 - 110	X416066 - X4D0297-01	16-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.69	0.733	4.00	98.8	90 - 110	X416066 - X4D0271-01	16-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.00	<0.100	4.00	98.4	90 - 110	X416066 - X4D0297-01	16-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	100	90 - 110	X416066 - X4D0271-01	16-Apr-24	
EPA 300.0	Nitrite as N	mg/L	1.99	<0.050	2.00	99.6	90 - 110	X416066 - X4D0297-01	16-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	28.1	18.0	10.0	101	90 - 110	X416066 - X4D0271-01	16-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	13.6	3.39	10.0	102	90 - 110	X416066 - X4D0297-01	16-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0271**
Reported: 03-May-24 11:27

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	3.09	3.39	2.50	9.0	24	92.2	X416194 - X4D0172-01	
EPA 245.1	Mercury	mg/L	0.00203	0.00200	0.00200	1.1	20	101	X416038 - X4D0209-01	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	0.991	1.07	1.00	8.0	20	94.0	X416076 - X4D0272-01	
EPA 200.7	Beryllium	mg/L	0.928	1.01	1.00	8.6	20	92.8	X416076 - X4D0272-01	
EPA 200.7	Boron	mg/L	1.15	1.16	1.00	0.4	20	99.1	X416076 - X4D0272-01	
EPA 200.7	Calcium	mg/L	159	173	20.0	9.0	20	0.30R>S	X416076 - X4D0272-01	M3
EPA 200.7	Chromium	mg/L	0.911	0.978	1.00	7.1	20	91.1	X416076 - X4D0272-01	
EPA 200.7	Iron	mg/L	10.2	11.1	10.0	8.9	20	102	X416076 - X4D0272-01	
EPA 200.7	Magnesium	mg/L	27.3	30.0	20.0	9.2	20	93.7	X416076 - X4D0272-01	
EPA 200.7	Manganese	mg/L	0.990	1.08	1.00	8.9	20	91.6	X416076 - X4D0272-01	
EPA 200.7	Molybdenum	mg/L	1.01	1.03	1.00	1.2	20	100	X416076 - X4D0272-01	
EPA 200.7	Nickel	mg/L	0.953	0.973	1.00	2.1	20	95.3	X416076 - X4D0272-01	
EPA 200.7	Phosphorus	mg/L	1.10	1.12	1.00	1.2	20	110	X416076 - X4D0272-01	
EPA 200.7	Potassium	mg/L	38.7	42.3	20.0	9.1	20	83.7	X416076 - X4D0272-01	
EPA 200.7	Sodium	mg/L	80.9	88.7	19.0	9.2	20	0.30R>S	X416076 - X4D0272-01	M3
EPA 200.7	Zinc	mg/L	0.940	0.967	1.00	2.9	20	94.0	X416076 - X4D0272-01	
EPA 200.8	Antimony	mg/L	0.0482	0.0482	0.0250	0.1	20	104	X416074 - X4D0272-01	
EPA 200.8	Arsenic	mg/L	0.0261	0.0257	0.0250	1.4	20	103	X416074 - X4D0272-01	
EPA 200.8	Cadmium	mg/L	0.0235	0.0231	0.0250	1.5	20	93.9	X416074 - X4D0272-01	
EPA 200.8	Chromium	mg/L	0.0263	0.0258	0.0250	2.0	20	105	X416074 - X4D0272-01	
EPA 200.8	Copper	mg/L	0.0262	0.0256	0.0250	2.3	20	97.2	X416074 - X4D0272-01	
EPA 200.8	Lead	mg/L	0.0266	0.0264	0.0250	0.9	20	101	X416074 - X4D0272-01	
EPA 200.8	Selenium	mg/L	0.0247	0.0243	0.0250	1.5	20	97.6	X416074 - X4D0272-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.03	1.06	1.00	2.6	20	96.6	X416065 - X4D0271-01	
EPA 200.7	Barium	mg/L	1.08	1.12	1.00	4.0	20	98.4	X416065 - X4D0271-01	
EPA 200.7	Beryllium	mg/L	0.962	0.983	1.00	2.1	20	96.2	X416065 - X4D0271-01	
EPA 200.7	Calcium	mg/L	37.8	38.8	20.0	2.8	20	94.5	X416065 - X4D0271-01	
EPA 200.7	Iron	mg/L	10.5	10.8	10.0	3.4	20	97.4	X416065 - X4D0271-01	
EPA 200.7	Magnesium	mg/L	25.0	25.9	20.0	3.5	20	99.7	X416065 - X4D0271-01	
EPA 200.7	Manganese	mg/L	2.81	2.82	1.00	0.4	20	92.4	X416065 - X4D0271-01	
EPA 200.7	Molybdenum	mg/L	0.993	1.02	1.00	2.6	20	98.9	X416065 - X4D0271-01	
EPA 200.7	Nickel	mg/L	0.980	1.01	1.00	3.2	20	98.0	X416065 - X4D0271-01	
EPA 200.7	Potassium	mg/L	27.2	27.9	20.0	2.5	20	96.4	X416065 - X4D0271-01	
EPA 200.7	Sodium	mg/L	22.5	23.3	19.0	3.3	20	96.4	X416065 - X4D0271-01	
EPA 200.7	Zinc	mg/L	0.999	1.03	1.00	2.9	20	99.3	X416065 - X4D0271-01	
EPA 200.8	Antimony	mg/L	0.0277	0.0287	0.0250	3.5	20	111	X416067 - X4D0271-01	
EPA 200.8	Arsenic	mg/L	0.0286	0.0291	0.0250	1.8	20	112	X416067 - X4D0271-01	
EPA 200.8	Cadmium	mg/L	0.0269	0.0278	0.0250	3.2	20	107	X416067 - X4D0271-01	
EPA 200.8	Chromium	mg/L	0.0274	0.0282	0.0250	3.1	20	107	X416067 - X4D0271-01	
EPA 200.8	Copper	mg/L	0.0268	0.0276	0.0250	2.8	20	104	X416067 - X4D0271-01	
EPA 200.8	Lead	mg/L	0.0264	0.0279	0.0250	5.4	20	105	X416067 - X4D0271-01	
EPA 200.8	Selenium	mg/L	0.0293	0.0299	0.0250	1.9	20	116	X416067 - X4D0271-01	
EPA 200.8	Silver	mg/L	0.0258	0.0265	0.0250	2.7	20	103	X416067 - X4D0271-01	
EPA 200.8	Thallium	mg/L	0.0264	0.0279	0.0250	5.5	20	105	X416067 - X4D0271-01	
EPA 200.8	Uranium	mg/L	0.0278	0.0293	0.0250	4.9	20	109	X416067 - X4D0271-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00210	0.00208	0.00200	0.8	20	105	X416016 - X4D0140-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.134	0.130	0.100	3.0	11	134	X416099 - X4D0271-01	M1
EPA 335.4	Cyanide (total)	mg/L	0.106	0.109	0.100	2.8	20	106	X416073 - X4D0271-01	
EPA 350.1	Ammonia as N	mg/L	1.14	1.08	1.00	5.2	20	114	X416053 - X4D0206-02	M1

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0271**
Reported: 03-May-24 11:27

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)										
EPA 351.2	TKN	mg/L	8.05	7.66	8.00	4.9	20	101	X416111 - X4D0216-01	
OIA 1677	Cyanide (WAD)	mg/L	0.112	0.101	0.100	10.3	11	110	X416129 - X4D0086-01	
SM 4500 S D	Sulfide	mg/L	0.214	0.212	0.200	0.9	20	107	X416054 - X4D0248-06	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0219	0.0216	0.0200	1.4	20	109	X416103 - X4D0283-02	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.09	8.06	3.00	0.5	20	98.7	X416066 - X4D0271-01	
EPA 300.0	Fluoride	mg/L	2.47	2.45	2.00	0.8	20	98.5	X416066 - X4D0271-01	
EPA 300.0	Nitrate as N	mg/L	2.70	2.68	2.00	0.6	20	99.0	X416066 - X4D0271-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.74	4.69	4.00	1.1	20	100	X416066 - X4D0271-01	
EPA 300.0	Nitrite as N	mg/L	2.04	2.00	2.00	1.8	20	102	X416066 - X4D0271-01	
EPA 300.0	Sulfate as SO4	mg/L	28.1	28.1	10.0	0.0	20	101	X416066 - X4D0271-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0271**
Victor, CO 80860	Reported: 03-May-24 11:27

Notes and Definitions

D1	Sample required dilution due to matrix.
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.
N1	See case narrative.
U	Less than 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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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

Client Sample ID: **GV-02**
SVL Sample ID: **X4D0308-01 (Surface Water)**

Sampled: 16-Apr-24 11:00
Received: 17-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 245.1	Mercury	< 0.000093	mg/L	0.000200	0.000093		X417041	MAC	04/23/24 13:59	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.0411	mg/L	0.0020	0.0019		X417188	NMS	05/01/24 11:09	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X417188	NMS	05/01/24 11:09	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X417188	NMS	05/01/24 11:09	
EPA 200.7	**Calcium**	41.1	mg/L	0.100	0.069		X417188	NMS	05/01/24 11:09	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X417188	NMS	05/01/24 11:09	
EPA 200.7	**Iron**	0.194	mg/L	0.100	0.056		X417188	NMS	05/01/24 11:09	
EPA 200.7	**Magnesium**	11.8	mg/L	0.500	0.090		X417188	NMS	05/01/24 11:09	
EPA 200.7	**Manganese**	3.28	mg/L	0.0080	0.0034		X417188	NMS	05/01/24 11:09	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X417188	NMS	05/01/24 11:09	
EPA 200.7	**Nickel**	0.0323	mg/L	0.0100	0.0048		X417188	NMS	05/01/24 11:09	
EPA 200.7	**Phosphorus**	0.076	mg/L	0.050	0.013		X417188	NMS	05/01/24 11:09	
EPA 200.7	**Potassium**	13.3	mg/L	0.50	0.18		X417188	NMS	05/01/24 11:09	
EPA 200.7	**Sodium**	7.94	mg/L	0.50	0.12		X417188	NMS	05/01/24 11:09	
EPA 200.7	**Zinc**	0.747	mg/L	0.0100	0.0054		X417188	NMS	05/01/24 11:09	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X417191	SMU	04/30/24 14:39	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X417191	SMU	04/30/24 14:39	
EPA 200.8	**Cadmium**	0.00317	mg/L	0.000100	0.000063		X417191	SMU	04/30/24 14:39	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X417191	SMU	04/30/24 14:39	
EPA 200.8	**Copper**	0.00196	mg/L	0.00040	0.00036		X417191	SMU	04/30/24 14:39	B1
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X417191	SMU	04/30/24 14:39	B10
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X417191	SMU	04/30/24 14:39	
SM 2340 B	**Hardness (as CaC03)**	152	mg/L	2.31	0.543		N/A		04/23/24 15:43	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.882	mg/L	0.080	0.054		X416170	NMS	04/23/24 15:43	
EPA 200.7	**Barium**	0.0406	mg/L	0.0020	0.0019		X416170	NMS	04/23/24 15:43	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X416170	NMS	04/23/24 15:43	
EPA 200.7	**Calcium**	41.3	mg/L	0.100	0.069		X416170	NMS	04/23/24 15:43	
EPA 200.7	**Iron**	0.155	mg/L	0.100	0.056		X416170	NMS	04/23/24 15:43	
EPA 200.7	**Magnesium**	12.5	mg/L	0.500	0.090		X416170	NMS	04/23/24 15:43	
EPA 200.7	**Manganese**	3.21	mg/L	0.0080	0.0034		X416170	NMS	04/23/24 15:43	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X416170	NMS	04/23/24 15:43	
EPA 200.7	**Nickel**	0.0375	mg/L	0.0100	0.0048		X416170	NMS	04/23/24 15:43	
EPA 200.7	**Potassium**	13.1	mg/L	0.50	0.18		X416170	NMS	04/23/24 15:43	
EPA 200.7	**Sodium**	8.24	mg/L	0.50	0.12		X416170	NMS	04/23/24 15:43	
EPA 200.7	**Zinc**	0.748	mg/L	0.0100	0.0054		X416170	NMS	04/23/24 15:43	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X416272	SMU	04/29/24 16:17	D1
EPA 200.8	Arsenic	< 0.00200	mg/L	0.00200	0.00042	2	X416272	SMU	04/29/24 16:17	D1
EPA 200.8	**Cadmium**	0.00288	mg/L	0.000200	0.000126	2	X416272	SMU	04/29/24 16:17	D1
EPA 200.8	Chromium	< 0.00200	mg/L	0.00200	0.00034	2	X416272	SMU	04/29/24 16:17	D1
EPA 200.8	**Copper**	0.00152	mg/L	0.00080	0.00072	2	X416272	SMU	04/29/24 16:17	D1
EPA 200.8	Lead	< 0.00040	mg/L	0.00040	0.00028	2	X416272	SMU	04/29/24 16:17	D1
EPA 200.8	Selenium	< 0.00200	mg/L	0.00200	0.00048	2	X416272	SMU	04/29/24 16:17	D1
EPA 200.8	Silver	< 0.000160	mg/L	0.000160	0.000122	2	X416272	SMU	04/29/24 16:17	D1
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X416272	SMU	04/29/24 16:17	D1
EPA 200.8	Uranium	< 0.000200	mg/L	0.000200	0.000104	2	X416272	SMU	04/29/24 16:17	D1

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: **X4D0308**
Reported: 28-May-24 13:20

Client Sample ID: **GV-02**
SVL Sample ID: **X4D0308-01 (Surface Water)**

Sampled: 16-Apr-24 11:00
Received: 17-Apr-24
Sampled By: PB

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		X417003	MAC	04/23/24 15:48	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X418026	DD	04/29/24 11:52	
Calculation	Chromium(III)	< 0.0160	mg/L	0.0160	0.00580		N/A		05/01/24 11:09	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X417022	DD	04/23/24 15:35	
EPA 350.1	**Ammonia as N**	0.088	mg/L	0.030	0.013		X416195	DD	04/24/24 10:41	
EPA 351.2	**TKN**	1.02	mg/L	0.50	0.31		X416253	DD	04/22/24 10:40	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416130	DD	04/19/24 13:55	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X416151	MWD	04/18/24 08:48	
SM 2320 B	**Total Alkalinity**	3.0	mg/L as CaCO3	1.0			X416119	MWD	04/17/24 15:21	
SM 2320 B	**Bicarbonate**	3.0	mg/L as CaCO3	1.0			X416119	MWD	04/17/24 15:21	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X416119	MWD	04/17/24 15:21	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X416119	MWD	04/17/24 15:21	
SM 2540 C	**Total Diss. Solids**	272	mg/L	10			X416142	TJL	04/19/24 14:50	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X416143	TJL	04/22/24 16:30	
SM 4500 H B	**pH @19.9°C**	5.8	pH Units				X416119	MWD	04/17/24 15:21	H5
SM 4500 S D	Sulfide	< 0.100	mg/L	0.100	0.040	2	X416245	MCM	04/22/24 17:23	D1
SM 4500-O-G	**Dissolved Oxygen**	6.2	mg/L	0.1			X418017	TJL	04/29/24 14:15	H3,H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0100	mg/L	0.0100	0.0038	2	X416103	MCM	04/17/24 17:00	D1
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.0120	mg/L	0.0120	0.00414		N/A		04/29/24 16:17	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.7	mg/L	0.20	0.02		X416128	RS	04/17/24 12:29	
EPA 300.0	**Fluoride**	1.85	mg/L	0.100	0.017		X416128	RS	04/17/24 12:29	
EPA 300.0	**Nitrate as N**	0.825	mg/L	0.050	0.013		X416128	RS	04/17/24 12:29	
EPA 300.0	**Nitrate+Nitrite as N**	0.825	mg/L	0.100	0.044		X416128	RS	04/17/24 12:29	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X416128	RS	04/17/24 12:29	
EPA 300.0	**Sulfate as SO4**	164	mg/L	3.00	1.80	10	X416128	RS	04/17/24 12:47	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.95 meq/L Anion Sum: 3.96 meq/L C/A Balance: -0.10 % Calculated TDS: 258 TDS/cTDS: 1.06

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

Kathryn Salter
Project Manager

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

Client Sample ID: **GV-03**
SVL Sample ID: **X4D0308-02 (Surface Water)**

Sampled: 16-Apr-24 10:35
Received: 17-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 245.1	Mercury	< 0.000093	mg/L	0.000200	0.000093		X417041	MAC	04/23/24 14:01	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.0628	mg/L	0.0020	0.0019		X417188	NMS	05/01/24 11:13	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X417188	NMS	05/01/24 11:13	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X417188	NMS	05/01/24 11:13	
EPA 200.7	**Calcium**	18.1	mg/L	0.100	0.069		X417188	NMS	05/01/24 11:13	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X417188	NMS	05/01/24 11:13	
EPA 200.7	**Iron**	0.364	mg/L	0.100	0.056		X417188	NMS	05/01/24 11:13	
EPA 200.7	**Magnesium**	5.77	mg/L	0.500	0.090		X417188	NMS	05/01/24 11:13	
EPA 200.7	**Manganese**	0.691	mg/L	0.0080	0.0034		X417188	NMS	05/01/24 11:13	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X417188	NMS	05/01/24 11:13	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X417188	NMS	05/01/24 11:13	
EPA 200.7	**Phosphorus**	0.186	mg/L	0.050	0.013		X417188	NMS	05/01/24 11:13	
EPA 200.7	**Potassium**	16.2	mg/L	0.50	0.18		X417188	NMS	05/01/24 11:13	
EPA 200.7	**Sodium**	3.49	mg/L	0.50	0.12		X417188	NMS	05/01/24 11:13	
EPA 200.7	**Zinc**	0.114	mg/L	0.0100	0.0054		X417188	NMS	05/01/24 11:13	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X417191	SMU	04/30/24 14:42	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X417191	SMU	04/30/24 14:42	
EPA 200.8	**Cadmium**	0.000852	mg/L	0.000100	0.000063		X417191	SMU	04/30/24 14:42	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X417191	SMU	04/30/24 14:42	
EPA 200.8	**Copper**	0.00298	mg/L	0.00040	0.00036		X417191	SMU	04/30/24 14:42	B1
EPA 200.8	**Lead**	0.00051	mg/L	0.00020	0.00014		X417191	SMU	04/30/24 14:42	B10
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X417191	SMU	04/30/24 14:42	
SM 2340 B	**Hardness (as CaC03)**	69.9	mg/L	2.31	0.543		N/A		05/01/24 11:13	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.139	mg/L	0.080	0.054		X416170	NMS	04/23/24 15:47	
EPA 200.7	**Barium**	0.0526	mg/L	0.0020	0.0019		X416170	NMS	04/23/24 15:47	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X416170	NMS	04/23/24 15:47	
EPA 200.7	**Calcium**	17.8	mg/L	0.100	0.069		X416170	NMS	04/23/24 15:47	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X416170	NMS	04/23/24 15:47	
EPA 200.7	**Magnesium**	6.00	mg/L	0.500	0.090		X416170	NMS	04/23/24 15:47	
EPA 200.7	**Manganese**	0.645	mg/L	0.0080	0.0034		X416170	NMS	04/23/24 15:47	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X416170	NMS	04/23/24 15:47	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X416170	NMS	04/23/24 15:47	
EPA 200.7	**Potassium**	15.4	mg/L	0.50	0.18		X416170	NMS	04/23/24 15:47	
EPA 200.7	**Sodium**	3.51	mg/L	0.50	0.12		X416170	NMS	04/23/24 15:47	
EPA 200.7	**Zinc**	0.107	mg/L	0.0100	0.0054		X416170	NMS	04/23/24 15:47	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X416272	SMU	04/29/24 16:07	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X416272	SMU	04/29/24 16:07	
EPA 200.8	**Cadmium**	0.000746	mg/L	0.000100	0.000063		X416272	SMU	04/29/24 16:07	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X416272	SMU	04/29/24 16:07	
EPA 200.8	**Copper**	0.00212	mg/L	0.00040	0.00036		X416272	SMU	04/29/24 16:07	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X416272	SMU	04/29/24 16:07	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X416272	SMU	04/29/24 16:07	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X416272	SMU	04/29/24 16:07	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X416272	SMU	04/29/24 16:07	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X416272	SMU	04/29/24 16:07	

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

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

Client Sample ID: **GV-03**
SVL Sample ID: **X4D0308-02 (Surface Water)**

Sampled: 16-Apr-24 10:35
Received: 17-Apr-24
Sampled By: PB

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		X417003	MAC	04/23/24 15:50	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X418026	DD	04/29/24 11:54	
Calculation	Chromium(III)	< 0.0160	mg/L	0.0160	0.00580		N/A		05/01/24 11:13	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X417022	DD	04/23/24 15:37	
EPA 350.1	**Ammonia as N**	0.105	mg/L	0.030	0.013		X416195	DD	04/24/24 10:43	
EPA 351.2	**TKN**	1.18	mg/L	0.50	0.31		X416253	DD	04/22/24 11:32	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416130	DD	04/19/24 13:57	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X416151	MWD	04/18/24 08:48	
SM 2320 B	**Total Alkalinity**	7.2	mg/L as CaCO3	1.0			X416119	MWD	04/17/24 15:26	
SM 2320 B	**Bicarbonate**	7.2	mg/L as CaCO3	1.0			X416119	MWD	04/17/24 15:26	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X416119	MWD	04/17/24 15:26	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X416119	MWD	04/17/24 15:26	
SM 2540 C	**Total Diss. Solids**	130	mg/L	10			X416142	TJL	04/19/24 14:50	
SM 2540 D	**Total Susp. Solids**	5.0	mg/L	5.0			X416143	TJL	04/22/24 16:30	
SM 4500 H B	**pH @20.0°C**	6.3	pH Units				X416119	MWD	04/17/24 15:26	H5
SM 4500 S D	Sulfide	< 0.100	mg/L	0.100	0.040	2	X416245	MCM	04/22/24 17:25	D1
SM 4500-O-G	**Dissolved Oxygen**	5.9	mg/L	0.1			X418017	TJL	04/29/24 14:15	H3,H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0100	mg/L	0.0100	0.0038	2	X416103	MCM	04/17/24 17:00	D1
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.0110	mg/L	0.0110	0.00397		N/A		04/29/24 16:07	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	6.72	mg/L	0.20	0.02		X416128	RS	04/17/24 13:05	
EPA 300.0	**Fluoride**	0.929	mg/L	0.100	0.017		X416128	RS	04/17/24 13:05	
EPA 300.0	**Nitrate as N**	0.455	mg/L	0.050	0.013		X416128	RS	04/17/24 13:05	
EPA 300.0	**Nitrate+Nitrite as N**	0.458	mg/L	0.100	0.044		X416128	RS	04/17/24 13:05	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X416128	RS	04/17/24 13:05	
EPA 300.0	**Sulfate as SO4**	71.4	mg/L	3.00	1.80	10	X416128	RS	04/17/24 13:23	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 1.96 meq/L Anion Sum: 1.90 meq/L C/A Balance: 1.54 % Calculated TDS: 129 TDS/cTDS: 1.01

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total)								
EPA 245.1	Mercury	mg/L	<0.000093	0.000093	0.000200	X417041	23-Apr-24	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X417188	01-May-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X417188	01-May-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X417188	01-May-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X417188	01-May-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X417188	01-May-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X417188	01-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X417188	01-May-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X417188	01-May-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X417188	01-May-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X417188	01-May-24	
EPA 200.7	Phosphorus	mg/L	<0.050	0.013	0.050	X417188	01-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X417188	01-May-24	
EPA 200.7	Sodium	mg/L	<0.12	0.12	0.50	X417188	01-May-24	U
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X417188	01-May-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X417191	30-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X417191	30-Apr-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X417191	30-Apr-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X417191	30-Apr-24	
EPA 200.8	Copper	mg/L	0.00070	0.00036	0.00040	X417191	30-Apr-24	B1
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X417191	30-Apr-24	B10
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X417191	30-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X416170	23-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X416170	23-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X416170	23-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X416170	23-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X416170	23-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416170	23-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X416170	23-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X416170	23-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X416170	23-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416170	23-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X416170	23-Apr-24	B7
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X416170	23-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X416272	29-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X416272	29-Apr-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X416272	29-Apr-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X416272	29-Apr-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X416272	29-Apr-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X416272	29-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X416272	29-Apr-24	
EPA 200.8	Silver	mg/L	<0.00008	0.000061	0.00008	X416272	29-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X416272	29-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X416272	29-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X417003	23-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X418026	29-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X417022	23-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X416195	24-Apr-24	
EPA 351.2	TKN	mg/L	<0.50	0.31	0.50	X416253	22-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X416130	19-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Classical Chemistry Parameters (Continued)								
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X416151	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X416119	17-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X416119	17-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X416119	17-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X416119	17-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X416142	19-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X416143	22-Apr-24	
SM 4500 S D	Sulfide	mg/L	<0.050	0.020	0.050	X416245	22-Apr-24	
Dissolved Classical Chemistry Parameters								
SM 3500 Cr B	Hexavalent Chromium	mg/L	<0.0050	0.0019	0.0050	X416103	17-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X416128	17-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X416128	17-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X416128	17-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X416128	17-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X416128	17-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X416128	17-Apr-24	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 245.1	Mercury	mg/L	0.00222	0.00200	111	85 - 115	X417041	23-Apr-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Barium	mg/L	1.07	1.00	107	85 - 115	X417188	01-May-24	
EPA 200.7	Beryllium	mg/L	1.07	1.00	107	85 - 115	X417188	01-May-24	
EPA 200.7	Boron	mg/L	1.06	1.00	106	85 - 115	X417188	01-May-24	
EPA 200.7	Calcium	mg/L	21.3	20.0	106	85 - 115	X417188	01-May-24	
EPA 200.7	Chromium	mg/L	1.05	1.00	105	85 - 115	X417188	01-May-24	
EPA 200.7	Iron	mg/L	11.0	10.0	110	85 - 115	X417188	01-May-24	
EPA 200.7	Magnesium	mg/L	21.3	20.0	106	85 - 115	X417188	01-May-24	
EPA 200.7	Manganese	mg/L	1.06	1.00	106	85 - 115	X417188	01-May-24	
EPA 200.7	Molybdenum	mg/L	1.06	1.00	106	85 - 115	X417188	01-May-24	
EPA 200.7	Nickel	mg/L	1.04	1.00	104	85 - 115	X417188	01-May-24	
EPA 200.7	Phosphorus	mg/L	1.08	1.00	108	85 - 115	X417188	01-May-24	
EPA 200.7	Potassium	mg/L	21.1	20.0	106	85 - 115	X417188	01-May-24	
EPA 200.7	Sodium	mg/L	20.1	19.0	106	85 - 115	X417188	01-May-24	
EPA 200.7	Zinc	mg/L	1.04	1.00	104	85 - 115	X417188	01-May-24	
EPA 200.8	Antimony	mg/L	0.0244	0.0250	97.5	85 - 115	X417191	30-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0239	0.0250	95.7	85 - 115	X417191	30-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0239	0.0250	95.7	85 - 115	X417191	30-Apr-24	
EPA 200.8	Chromium	mg/L	0.0254	0.0250	102	85 - 115	X417191	30-Apr-24	
EPA 200.8	Copper	mg/L	0.0261	0.0250	105	85 - 115	X417191	30-Apr-24	B1
EPA 200.8	Lead	mg/L	0.0241	0.0250	96.4	85 - 115	X417191	30-Apr-24	B10
EPA 200.8	Selenium	mg/L	0.0216	0.0250	86.6	85 - 115	X417191	30-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.977	1.00	97.7	85 - 115	X416170	23-Apr-24	
EPA 200.7	Barium	mg/L	0.985	1.00	98.5	85 - 115	X416170	23-Apr-24	
EPA 200.7	Beryllium	mg/L	0.910	1.00	91.0	85 - 115	X416170	23-Apr-24	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.3	85 - 115	X416170	23-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

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	Iron	mg/L	9.97	10.0	99.7	85 - 115	X416170	23-Apr-24	
EPA 200.7	Magnesium	mg/L	19.9	20.0	99.4	85 - 115	X416170	23-Apr-24	
EPA 200.7	Manganese	mg/L	0.940	1.00	94.0	85 - 115	X416170	23-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.950	1.00	95.0	85 - 115	X416170	23-Apr-24	
EPA 200.7	Nickel	mg/L	0.923	1.00	92.3	85 - 115	X416170	23-Apr-24	
EPA 200.7	Potassium	mg/L	19.0	20.0	95.2	85 - 115	X416170	23-Apr-24	
EPA 200.7	Sodium	mg/L	18.8	19.0	99.0	85 - 115	X416170	23-Apr-24	B7
EPA 200.7	Zinc	mg/L	0.932	1.00	93.2	85 - 115	X416170	23-Apr-24	
EPA 200.8	Antimony	mg/L	0.0259	0.0250	104	85 - 115	X416272	29-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0250	0.0250	100	85 - 115	X416272	29-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0259	0.0250	104	85 - 115	X416272	29-Apr-24	
EPA 200.8	Chromium	mg/L	0.0249	0.0250	99.4	85 - 115	X416272	29-Apr-24	
EPA 200.8	Copper	mg/L	0.0253	0.0250	101	85 - 115	X416272	29-Apr-24	
EPA 200.8	Lead	mg/L	0.0251	0.0250	101	85 - 115	X416272	29-Apr-24	
EPA 200.8	Selenium	mg/L	0.0245	0.0250	98.1	85 - 115	X416272	29-Apr-24	
EPA 200.8	Silver	mg/L	0.0263	0.0250	105	85 - 115	X416272	29-Apr-24	
EPA 200.8	Thallium	mg/L	0.0253	0.0250	101	85 - 115	X416272	29-Apr-24	
EPA 200.8	Uranium	mg/L	0.0248	0.0250	99.2	85 - 115	X416272	29-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00219	0.00200	109	85 - 115	X417003	23-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X418026	29-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.100	102	90 - 110	X417022	23-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X416195	24-Apr-24	
EPA 351.2	TKN	mg/L	8.74	8.00	109	90 - 110	X416253	22-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0950	0.100	95.0	90 - 110	X416130	19-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1650	1640	101	95.4 - 104	X416151	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.2	9.93	103	96.4 - 105	X416119	17-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X416119	17-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	403	397	102	96.4 - 105	X416119	17-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X416143	22-Apr-24	
SM 4500 S D	Sulfide	mg/L	0.485	0.500	97.0	85 - 115	X416245	22-Apr-24	
Dissolved Classical Chemistry Parameters									
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.104	0.100	104	80 - 120	X416103	17-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.99	3.00	99.7	90 - 110	X416128	17-Apr-24	
EPA 300.0	Fluoride	mg/L	1.94	2.00	97.2	90 - 110	X416128	17-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.99	2.00	99.3	90 - 110	X416128	17-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.48	4.50	99.5	90 - 110	X416128	17-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.49	2.50	99.8	90 - 110	X416128	17-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X416128	17-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

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	X416151 - X4D0212-01	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	512	512	0.0	20	X416119 - X4D0281-01	17-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	512	512	0.0	20	X416119 - X4D0281-01	17-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416119 - X4D0281-01	17-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416119 - X4D0281-01	17-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	238	246	3.3	10	X416142 - X4D0301-02	19-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	371	351	5.5	10	X416142 - X4D0312-02	19-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	<5.0	<RL	10	X416143 - X4D0301-02	22-Apr-24	R2B
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X416143 - X4D0312-02	22-Apr-24	
SM 4500 H B	pH @19.0°C	pH Units	6.8	6.8	0.6	20	X416119 - X4D0281-01	17-Apr-24	
SM 4500-O-G	Dissolved Oxygen	mg/L	6.1	6.2	1.6	20	X418017 - X4D0308-01	29-Apr-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total)										
EPA 245.1	Mercury	mg/L	0.00223	<0.000093	0.00200	112	70 - 130	X417041 - X4D0308-01	23-Apr-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	0.981	0.0180	1.00	96.3	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Beryllium	mg/L	0.977	<0.00200	1.00	97.7	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Boron	mg/L	1.01	0.0439	1.00	96.3	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Calcium	mg/L	577	557	20.0	102	70 - 130	X417188 - X4D0348-02	01-May-24	D2
EPA 200.7	Chromium	mg/L	0.956	<0.0060	1.00	95.6	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	100	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Magnesium	mg/L	127	107	20.0	103	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Manganese	mg/L	1.05	0.0794	1.00	97.6	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Molybdenum	mg/L	0.975	0.0152	1.00	95.9	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Nickel	mg/L	0.883	<0.0100	1.00	88.3	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Phosphorus	mg/L	1.12	0.057	1.00	106	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Potassium	mg/L	25.6	4.47	20.0	106	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Sodium	mg/L	119	99.0	19.0	107	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.7	Zinc	mg/L	0.869	<0.0100	1.00	86.9	70 - 130	X417188 - X4D0348-02	01-May-24	
EPA 200.8	Antimony	mg/L	0.0266	<0.00100	0.0250	106	70 - 130	X417191 - X4D0308-03	30-Apr-24	
EPA 200.8	Antimony	mg/L	0.0256	<0.00100	0.0250	102	70 - 130	X417191 - X4D0312-06	30-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0256	0.00124	0.0250	97.5	70 - 130	X417191 - X4D0308-03	30-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0290	0.00527	0.0250	94.9	70 - 130	X417191 - X4D0312-06	30-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0249	<0.000100	0.0250	99.5	70 - 130	X417191 - X4D0308-03	30-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0250	<0.000100	0.0250	100	70 - 130	X417191 - X4D0312-06	30-Apr-24	
EPA 200.8	Chromium	mg/L	0.0243	<0.00100	0.0250	97.2	70 - 130	X417191 - X4D0308-03	30-Apr-24	
EPA 200.8	Chromium	mg/L	0.0234	<0.00100	0.0250	92.7	70 - 130	X417191 - X4D0312-06	30-Apr-24	
EPA 200.8	Copper	mg/L	0.0258	0.00061	0.0250	101	70 - 130	X417191 - X4D0308-03	30-Apr-24	B1
EPA 200.8	Copper	mg/L	0.0254	0.00051	0.0250	99.5	70 - 130	X417191 - X4D0312-06	30-Apr-24	B1
EPA 200.8	Lead	mg/L	0.0239	0.00020	0.0250	95.0	70 - 130	X417191 - X4D0308-03	30-Apr-24	B10
EPA 200.8	Lead	mg/L	0.0246	<0.00020	0.0250	98.3	70 - 130	X417191 - X4D0312-06	30-Apr-24	B10
EPA 200.8	Selenium	mg/L	0.0235	<0.00100	0.0250	91.8	70 - 130	X417191 - X4D0308-03	30-Apr-24	
EPA 200.8	Selenium	mg/L	0.0223	<0.00100	0.0250	89.0	70 - 130	X417191 - X4D0312-06	30-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.17	0.168	1.00	99.7	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Aluminum	mg/L	1.03	<0.080	1.00	103	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Barium	mg/L	1.05	0.0398	1.00	101	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Barium	mg/L	1.06	0.0335	1.00	102	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Beryllium	mg/L	0.933	<0.00200	1.00	93.3	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Beryllium	mg/L	0.923	<0.00200	1.00	92.3	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Calcium	mg/L	96.3	76.2	20.0	101	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Calcium	mg/L	78.4	56.2	20.0	111	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Iron	mg/L	10.4	0.192	10.0	102	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Magnesium	mg/L	39.6	18.7	20.0	105	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Magnesium	mg/L	30.8	9.51	20.0	106	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Manganese	mg/L	5.04	4.05	1.00	99.0	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Manganese	mg/L	1.11	0.150	1.00	95.7	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.970	<0.0080	1.00	97.0	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.977	<0.0080	1.00	97.7	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Nickel	mg/L	0.964	0.0243	1.00	94.0	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Nickel	mg/L	0.956	<0.0100	1.00	94.8	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Potassium	mg/L	24.5	4.97	20.0	97.8	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Potassium	mg/L	22.0	2.44	20.0	98.0	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.7	Sodium	mg/L	103	84.4	19.0	97.5	70 - 130	X416170 - X4D0275-01	23-Apr-24	B7
EPA 200.7	Sodium	mg/L	43.1	23.5	19.0	103	70 - 130	X416170 - X4D0283-01	23-Apr-24	B7
EPA 200.7	Zinc	mg/L	1.15	0.186	1.00	96.5	70 - 130	X416170 - X4D0275-01	23-Apr-24	
EPA 200.7	Zinc	mg/L	0.980	<0.0100	1.00	97.3	70 - 130	X416170 - X4D0283-01	23-Apr-24	
EPA 200.8	Antimony	mg/L	0.0268	<0.00100	0.0250	107	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Antimony	mg/L	0.0266	<0.00100	0.0250	107	70 - 130	X416272 - X4D0301-01	29-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0263	<0.00100	0.0250	104	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0242	<0.00100	0.0250	96.8	70 - 130	X416272 - X4D0301-01	29-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0251	<0.000100	0.0250	100	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Cadmium	mg/L	0.0246	<0.000100	0.0250	98.3	70 - 130	X416272 - X4D0301-01	29-Apr-24	
EPA 200.8	Chromium	mg/L	0.0245	<0.00100	0.0250	98.2	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Chromium	mg/L	0.0236	<0.00100	0.0250	94.5	70 - 130	X416272 - X4D0301-01	29-Apr-24	
EPA 200.8	Copper	mg/L	0.0262	0.00105	0.0250	101	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Copper	mg/L	0.0248	0.00070	0.0250	96.3	70 - 130	X416272 - X4D0301-01	29-Apr-24	
EPA 200.8	Lead	mg/L	0.0238	<0.00020	0.0250	95.4	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Lead	mg/L	0.0228	<0.00020	0.0250	91.2	70 - 130	X416272 - X4D0301-01	29-Apr-24	
EPA 200.8	Selenium	mg/L	0.0246	<0.00100	0.0250	96.4	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Selenium	mg/L	0.0236	<0.00100	0.0250	93.2	70 - 130	X416272 - X4D0301-01	29-Apr-24	
EPA 200.8	Silver	mg/L	0.0244	<0.00008	0.0250	97.7	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Silver	mg/L	0.0242	<0.00008	0.0250	96.8	70 - 130	X416272 - X4D0301-01	29-Apr-24	
EPA 200.8	Thallium	mg/L	0.0239	<0.000200	0.0250	95.7	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Thallium	mg/L	0.0228	<0.000200	0.0250	91.1	70 - 130	X416272 - X4D0301-01	29-Apr-24	
EPA 200.8	Uranium	mg/L	0.0262	0.00211	0.0250	96.4	70 - 130	X416272 - X4D0283-01	29-Apr-24	
EPA 200.8	Uranium	mg/L	0.0232	0.000278	0.0250	91.8	70 - 130	X416272 - X4D0301-01	29-Apr-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00330	0.00109	0.00200	110	70 - 130	X417003 - X4D0264-01	23-Apr-24	
EPA 245.1	Mercury	mg/L	0.00223	<0.000200	0.00200	111	70 - 130	X417003 - X4D0308-02	23-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

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										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.121	<0.0050	0.100	121	79 - 121	X418026 - X4D0308-01	29-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.106	<0.0050	0.100	106	90 - 110	X417022 - X4D0346-13	23-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.105	<0.0050	0.100	105	90 - 110	X417022 - X4D0346-12	23-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.22	<0.030	1.00	119	90 - 110	X416195 - X4D0296-01	24-Apr-24	M1
EPA 350.1	Ammonia as N	mg/L	1.13	<0.030	1.00	112	90 - 110	X416195 - X4D0296-02	24-Apr-24	M1
EPA 351.2	TKN	mg/L	8.79	24.3	8.00	-193	90 - 110	X416253 - X4D0235-01	22-Apr-24	M1
EPA 351.2	TKN	mg/L	8.30	<0.50	8.00	104	90 - 110	X416253 - X4D0241-01	22-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.115	<0.0050	0.100	114	82 - 118	X416130 - X4D0206-01	19-Apr-24	
SM 4500 S D	Sulfide	mg/L	0.292	<0.050	0.200	146	75 - 125	X416245 - X4D0348-01	22-Apr-24	M1
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0216	<0.0050	0.0200	108	75 - 125	X416103 - X4D0283-02	17-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	9.83	6.72	3.00	103	90 - 110	X416128 - X4D0308-02	17-Apr-24	
EPA 300.0	Chloride	mg/L	7.44	4.47	3.00	99.0	90 - 110	X416128 - X4D0324-01	17-Apr-24	
EPA 300.0	Fluoride	mg/L	2.88	0.929	2.00	97.5	90 - 110	X416128 - X4D0308-02	17-Apr-24	
EPA 300.0	Fluoride	mg/L	1.96	<0.100	2.00	96.1	90 - 110	X416128 - X4D0324-01	17-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.42	0.455	2.00	98.3	90 - 110	X416128 - X4D0308-02	17-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.05	0.098	2.00	97.4	90 - 110	X416128 - X4D0324-01	17-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.44	0.458	4.00	99.5	90 - 110	X416128 - X4D0308-02	17-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.05	<0.100	4.00	98.9	90 - 110	X416128 - X4D0324-01	17-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X416128 - X4D0308-02	17-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X416128 - X4D0324-01	17-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	81.5	71.4	10.0	101	90 - 110	X416128 - X4D0308-02	17-Apr-24	D2
EPA 300.0	Sulfate as SO4	mg/L	12.8	2.70	10.0	101	90 - 110	X416128 - X4D0324-01	17-Apr-24	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total)										
EPA 245.1	Mercury	mg/L	0.00220	0.00223	0.00200	1.5	20	110	X417041 - X4D0308-01	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	0.971	0.981	1.00	1.1	20	95.3	X417188 - X4D0348-02	
EPA 200.7	Beryllium	mg/L	0.938	0.977	1.00	4.0	20	93.8	X417188 - X4D0348-02	
EPA 200.7	Boron	mg/L	0.997	1.01	1.00	1.0	20	95.3	X417188 - X4D0348-02	
EPA 200.7	Calcium	mg/L	571	577	20.0	1.0	20	71	X417188 - X4D0348-02	D2
EPA 200.7	Chromium	mg/L	0.936	0.956	1.00	2.1	20	93.6	X417188 - X4D0348-02	
EPA 200.7	Iron	mg/L	9.82	10.1	10.0	2.8	20	97.4	X417188 - X4D0348-02	
EPA 200.7	Magnesium	mg/L	121	127	20.0	4.8	20	73.0	X417188 - X4D0348-02	
EPA 200.7	Manganese	mg/L	1.02	1.05	1.00	3.3	20	94.1	X417188 - X4D0348-02	
EPA 200.7	Molybdenum	mg/L	0.954	0.975	1.00	2.1	20	93.9	X417188 - X4D0348-02	
EPA 200.7	Nickel	mg/L	0.870	0.883	1.00	1.5	20	87.0	X417188 - X4D0348-02	
EPA 200.7	Phosphorus	mg/L	1.11	1.12	1.00	0.6	20	106	X417188 - X4D0348-02	
EPA 200.7	Potassium	mg/L	24.5	25.6	20.0	4.5	20	100	X417188 - X4D0348-02	
EPA 200.7	Sodium	mg/L	115	119	19.0	3.7	20	83.7	X417188 - X4D0348-02	
EPA 200.7	Zinc	mg/L	0.855	0.869	1.00	1.7	20	85.5	X417188 - X4D0348-02	
EPA 200.8	Antimony	mg/L	0.0272	0.0266	0.0250	2.4	20	109	X417191 - X4D0308-03	
EPA 200.8	Arsenic	mg/L	0.0262	0.0256	0.0250	2.2	20	99.8	X417191 - X4D0308-03	
EPA 200.8	Cadmium	mg/L	0.0257	0.0249	0.0250	3.5	20	103	X417191 - X4D0308-03	

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0308**
Reported: 28-May-24 13:20

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	Chromium	mg/L	0.0246	0.0243	0.0250	1.3	20	98.5	X417191 - X4D0308-03	
EPA 200.8	Copper	mg/L	0.0262	0.0258	0.0250	1.6	20	102	X417191 - X4D0308-03	B1
EPA 200.8	Lead	mg/L	0.0244	0.0239	0.0250	1.8	20	96.7	X417191 - X4D0308-03	B10
EPA 200.8	Selenium	mg/L	0.0244	0.0235	0.0250	3.9	20	95.5	X417191 - X4D0308-03	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.16	1.17	1.00	0.8	20	98.9	X416170 - X4D0275-01	
EPA 200.7	Barium	mg/L	1.03	1.05	1.00	1.9	20	98.8	X416170 - X4D0275-01	
EPA 200.7	Beryllium	mg/L	0.940	0.933	1.00	0.8	20	94.0	X416170 - X4D0275-01	
EPA 200.7	Calcium	mg/L	96.0	96.3	20.0	0.3	20	99.2	X416170 - X4D0275-01	
EPA 200.7	Iron	mg/L	10.1	10.2	10.0	1.0	20	101	X416170 - X4D0275-01	
EPA 200.7	Magnesium	mg/L	38.9	39.6	20.0	1.8	20	101	X416170 - X4D0275-01	
EPA 200.7	Manganese	mg/L	5.07	5.04	1.00	0.6	20	102	X416170 - X4D0275-01	
EPA 200.7	Molybdenum	mg/L	0.968	0.970	1.00	0.2	20	96.8	X416170 - X4D0275-01	
EPA 200.7	Nickel	mg/L	0.956	0.964	1.00	0.8	20	93.2	X416170 - X4D0275-01	
EPA 200.7	Potassium	mg/L	24.2	24.5	20.0	1.3	20	96.2	X416170 - X4D0275-01	
EPA 200.7	Sodium	mg/L	103	103	19.0	0.3	20	95.8	X416170 - X4D0275-01	B7
EPA 200.7	Zinc	mg/L	1.14	1.15	1.00	0.7	20	95.7	X416170 - X4D0275-01	
EPA 200.8	Antimony	mg/L	0.0272	0.0268	0.0250	1.6	20	109	X416272 - X4D0283-01	
EPA 200.8	Arsenic	mg/L	0.0257	0.0263	0.0250	2.4	20	101	X416272 - X4D0283-01	
EPA 200.8	Cadmium	mg/L	0.0257	0.0251	0.0250	2.2	20	103	X416272 - X4D0283-01	
EPA 200.8	Chromium	mg/L	0.0247	0.0245	0.0250	0.7	20	98.8	X416272 - X4D0283-01	
EPA 200.8	Copper	mg/L	0.0267	0.0262	0.0250	1.8	20	103	X416272 - X4D0283-01	
EPA 200.8	Lead	mg/L	0.0245	0.0238	0.0250	2.7	20	98.0	X416272 - X4D0283-01	
EPA 200.8	Selenium	mg/L	0.0247	0.0246	0.0250	0.4	20	96.8	X416272 - X4D0283-01	
EPA 200.8	Silver	mg/L	0.0253	0.0244	0.0250	3.7	20	101	X416272 - X4D0283-01	
EPA 200.8	Thallium	mg/L	0.0243	0.0239	0.0250	1.7	20	97.4	X416272 - X4D0283-01	
EPA 200.8	Uranium	mg/L	0.0269	0.0262	0.0250	2.5	20	99.1	X416272 - X4D0283-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00339	0.00330	0.00200	2.7	20	115	X417003 - X4D0264-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.114	0.121	0.100	6.0	11	114	X418026 - X4D0308-01	
EPA 335.4	Cyanide (total)	mg/L	0.106	0.106	0.100	0.4	20	106	X417022 - X4D0346-13	
EPA 350.1	Ammonia as N	mg/L	1.20	1.22	1.00	1.6	20	117	X416195 - X4D0296-01	M1
EPA 351.2	TKN	mg/L	8.61	8.79	8.00	2.0	20	-196	X416253 - X4D0235-01	M1
OIA 1677	Cyanide (WAD)	mg/L	0.120	0.115	0.100	4.3	11	119	X416130 - X4D0206-01	M1
SM 4500 S D	Sulfide	mg/L	0.280	0.292	0.200	4.2	20	140	X416245 - X4D0348-01	M1
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0219	0.0216	0.0200	1.4	20	109	X416103 - X4D0283-02	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	9.91	9.83	3.00	0.8	20	106	X416128 - X4D0308-02	
EPA 300.0	Fluoride	mg/L	2.93	2.88	2.00	1.8	20	100	X416128 - X4D0308-02	
EPA 300.0	Nitrate as N	mg/L	2.47	2.42	2.00	2.0	20	101	X416128 - X4D0308-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.54	4.44	4.00	2.2	20	102	X416128 - X4D0308-02	
EPA 300.0	Nitrite as N	mg/L	2.07	2.02	2.00	2.4	20	103	X416128 - X4D0308-02	
EPA 300.0	Sulfate as SO4	mg/L	81.6	81.5	10.0	0.1	20	102	X416128 - X4D0308-02	D2

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0308**
Victor, CO 80860	Reported: 28-May-24 13:20

Notes and Definitions

B1	Target analyte detected in method blank at or above the method reporting limit.
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.
D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H3	Sample was received and/or analysis requested past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
R2B	RPD exceeded the laboratory acceptance limit.
U	Less than 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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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0449**
Reported: 08-May-24 10:14

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4D0449-01 (Ground Water)**

Sampled: 24-Apr-24 13:10
Received: 25-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	16.2	mg/L	0.100	0.069		X418277	NMS	05/07/24 11:23	
EPA 200.7	**Magnesium**	9.86	mg/L	0.500	0.090		X418277	NMS	05/07/24 11:23	
EPA 200.7	**Potassium**	1.15	mg/L	0.50	0.18		X418277	NMS	05/07/24 11:23	
SM 2340 B	**Hardness (as CaCO3)**	81.1	mg/L	2.31	0.543		N/A		05/02/24 10:03	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X418179	NMS	05/02/24 10:03	
EPA 200.7	**Barium**	0.199	mg/L	0.0020	0.0019		X418179	NMS	05/02/24 10:03	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X418179	NMS	05/02/24 10:03	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X418179	NMS	05/02/24 10:03	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X418179	NMS	05/02/24 10:03	
EPA 200.7	**Calcium**	16.7	mg/L	0.100	0.069		X418179	NMS	05/02/24 10:03	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X418179	NMS	05/02/24 10:03	
EPA 200.7	**Cobalt**	0.0118	mg/L	0.0060	0.0046		X418179	NMS	05/02/24 10:03	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X418179	NMS	05/02/24 10:03	
EPA 200.7	**Iron**	7.52	mg/L	0.100	0.056		X418179	NMS	05/02/24 10:03	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X418179	NMS	05/02/24 10:03	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X418179	NMS	05/02/24 12:00	
EPA 200.7	**Magnesium**	10.5	mg/L	0.500	0.090		X418179	NMS	05/02/24 10:03	
EPA 200.7	**Manganese**	1.98	mg/L	0.0080	0.0034		X418179	NMS	05/02/24 10:03	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X418179	NMS	05/02/24 10:03	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X418179	NMS	05/02/24 10:03	
EPA 200.7	**Potassium**	1.13	mg/L	0.50	0.18		X418179	NMS	05/02/24 10:03	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X418179	NMS	05/02/24 10:03	
EPA 200.7	**Sodium**	8.55	mg/L	0.50	0.12		X418179	NMS	05/02/24 10:03	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X418179	NMS	05/02/24 10:03	
EPA 200.7	**Zinc**	0.0144	mg/L	0.0100	0.0054		X418179	NMS	05/02/24 10:03	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X418003	SMU	05/07/24 14:30	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X418003	SMU	05/07/24 14:30	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X418003	SMU	05/07/24 14:30	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X418003	SMU	05/07/24 14:30	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X418003	SMU	05/07/24 14:30	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X419026	MAC	05/07/24 16:49	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X418027	DD	04/29/24 13:41	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X418022	DD	04/30/24 10:00	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X418105	DD	05/01/24 11:47	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X418218	DD	05/02/24 10:50	
SM 2310 B	**Acidity to pH 8.3**	-50.4	mg/L as CaCO3	10.0			X418255	MWD	05/03/24 12:38	
SM 2320 B	**Total Alkalinity**	48.1	mg/L as CaCO3	1.0			X418082	MWD	04/30/24 14:39	
SM 2320 B	**Bicarbonate**	48.1	mg/L as CaCO3	1.0			X418082	MWD	04/30/24 14:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X418082	MWD	04/30/24 14:39	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X418082	MWD	04/30/24 14:39	
SM 2540 C	**Total Diss. Solids**	215	mg/L	10			X417205	TJL	04/29/24 15:00	R2B
SM 2540 D	**Total Susp. Solids**	12.0	mg/L	5.0			X417206	TJL	04/29/24 16:10	
SM 4500 H B	**pH @18.7°C**	6.6	pH Units				X418082	MWD	04/30/24 14:39	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0449**
Reported: 08-May-24 10:14

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4D0449-01 (Ground Water)**

Sampled: 24-Apr-24 13:10
Received: 25-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.94	mg/L	0.20	0.02		X417197	RS	04/25/24 19:18	
EPA 300.0	**Fluoride**	0.163	mg/L	0.100	0.017		X417197	RS	04/25/24 19:18	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X417197	RS	04/25/24 19:18	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X417197	RS	04/25/24 19:37	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X417197	RS	04/25/24 19:18	
EPA 300.0	**Sulfate as SO4**	50.6	mg/L	3.00	1.80	10	X417197	RS	04/25/24 19:37	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 2.38 meq/L Anion Sum: 2.14 meq/L C/A Balance: 5.29 % Calculated TDS: 120 TDS/cTDS: 1.79

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0449**
Reported: 08-May-24 10:14

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X418277	07-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X418277	07-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X418277	07-May-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X418179	02-May-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X418179	02-May-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X418179	02-May-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X418179	02-May-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X418179	02-May-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X418179	02-May-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X418179	02-May-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X418179	02-May-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X418179	02-May-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X418179	02-May-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X418179	02-May-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X418179	02-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X418179	02-May-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X418179	02-May-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X418179	02-May-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X418179	02-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X418179	02-May-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X418179	02-May-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X418179	02-May-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X418179	02-May-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X418179	02-May-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X419026	07-May-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X418027	29-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X418022	30-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X418105	01-May-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X418218	02-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X418255	03-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X418082	30-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X418082	30-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X418082	30-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X418082	30-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X417205	29-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X417206	29-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X417197	25-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X417197	25-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X417197	25-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X417197	25-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X417197	25-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X417197	25-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0449**
Reported: 08-May-24 10:14

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.2	20.0	96	85 - 115	X418277	07-May-24	
EPA 200.7	Magnesium	mg/L	19.3	20.0	96.7	85 - 115	X418277	07-May-24	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.5	85 - 115	X418277	07-May-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.03	1.00	103	85 - 115	X418179	02-May-24	
EPA 200.7	Barium	mg/L	1.04	1.00	104	85 - 115	X418179	02-May-24	
EPA 200.7	Beryllium	mg/L	1.02	1.00	102	85 - 115	X418179	02-May-24	
EPA 200.7	Boron	mg/L	1.02	1.00	102	85 - 115	X418179	02-May-24	
EPA 200.7	Cadmium	mg/L	1.02	1.00	102	85 - 115	X418179	02-May-24	
EPA 200.7	Calcium	mg/L	20.3	20.0	101	85 - 115	X418179	02-May-24	
EPA 200.7	Chromium	mg/L	1.00	1.00	100	85 - 115	X418179	02-May-24	
EPA 200.7	Cobalt	mg/L	1.00	1.00	100	85 - 115	X418179	02-May-24	
EPA 200.7	Copper	mg/L	0.981	1.00	98.1	85 - 115	X418179	02-May-24	
EPA 200.7	Iron	mg/L	10.6	10.0	106	85 - 115	X418179	02-May-24	
EPA 200.7	Lead	mg/L	1.01	1.00	101	85 - 115	X418179	02-May-24	
EPA 200.7	Lithium	mg/L	0.971	1.00	97.1	85 - 115	X418179	02-May-24	
EPA 200.7	Magnesium	mg/L	20.5	20.0	102	85 - 115	X418179	02-May-24	
EPA 200.7	Manganese	mg/L	1.03	1.00	103	85 - 115	X418179	02-May-24	
EPA 200.7	Molybdenum	mg/L	0.996	1.00	99.6	85 - 115	X418179	02-May-24	
EPA 200.7	Nickel	mg/L	1.01	1.00	101	85 - 115	X418179	02-May-24	
EPA 200.7	Potassium	mg/L	20.4	20.0	102	85 - 115	X418179	02-May-24	
EPA 200.7	Silver	mg/L	0.0512	0.0500	102	85 - 115	X418179	02-May-24	
EPA 200.7	Sodium	mg/L	19.3	19.0	101	85 - 115	X418179	02-May-24	
EPA 200.7	Vanadium	mg/L	1.02	1.00	102	85 - 115	X418179	02-May-24	
EPA 200.7	Zinc	mg/L	1.00	1.00	100	85 - 115	X418179	02-May-24	
EPA 200.8	Antimony	mg/L	0.0231	0.0250	92.5	85 - 115	X418003	06-May-24	
EPA 200.8	Arsenic	mg/L	0.0238	0.0250	95.4	85 - 115	X418003	06-May-24	
EPA 200.8	Selenium	mg/L	0.0253	0.0250	101	85 - 115	X418003	06-May-24	
EPA 200.8	Thallium	mg/L	0.0236	0.0250	94.3	85 - 115	X418003	06-May-24	
EPA 200.8	Uranium	mg/L	0.0229	0.0250	91.4	85 - 115	X418003	06-May-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00204	0.00200	102	85 - 115	X419026	07-May-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	0.100	102	90 - 110	X418027	29-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.100	102	90 - 110	X418022	30-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.979	1.00	97.9	90 - 110	X418105	01-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X418218	02-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	897	884	102	95.4 - 104	X418255	03-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X418082	30-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	405	397	102	96.4 - 105	X418082	30-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X417206	29-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.02	3.00	101	90 - 110	X417197	25-Apr-24	
EPA 300.0	Fluoride	mg/L	1.95	2.00	97.7	90 - 110	X417197	25-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.00	2.00	100	90 - 110	X417197	25-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.49	4.50	99.9	90 - 110	X417197	25-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.49	2.50	99.7	90 - 110	X417197	25-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.0	105	90 - 110	X417197	25-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0449**
Reported: 08-May-24 10:14

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	X418255 - X4D0437-01	03-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	149	151	1.3	20	X418082 - X4D0437-02	30-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	149	151	1.3	20	X418082 - X4D0437-02	30-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X418082 - X4D0437-02	30-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X418082 - X4D0437-02	30-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	148	215	36.9	10	X417205 - X4D0449-01	29-Apr-24	R2B
SM 2540 C	Total Diss. Solids	mg/L	305	363	17.4	10	X417205 - X4D0448-01	29-Apr-24	R2B
SM 2540 D	Total Susp. Solids	mg/L	12.0	12.0	0.0	10	X417206 - X4D0449-01	29-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	14.0	14.0	0.0	10	X417206 - X4D0448-01	29-Apr-24	
SM 4500 H B	pH @18.7°C	pH Units	6.1	6.2	1.6	20	X418082 - X4D0437-02	30-Apr-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	79.7	59.3	20.0	102	70 - 130	X418277 - X4D0448-01	07-May-24	
EPA 200.7	Magnesium	mg/L	29.7	9.29	20.0	102	70 - 130	X418277 - X4D0448-01	07-May-24	
EPA 200.7	Potassium	mg/L	22.2	2.37	20.0	99.2	70 - 130	X418277 - X4D0448-01	07-May-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.07	<0.080	1.00	107	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Barium	mg/L	1.12	0.0564	1.00	107	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Beryllium	mg/L	1.03	<0.00200	1.00	103	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Boron	mg/L	1.05	<0.0400	1.00	104	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Cadmium	mg/L	1.03	<0.0020	1.00	103	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Calcium	mg/L	105	83.9	20.0	107	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Chromium	mg/L	1.01	<0.0060	1.00	101	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Cobalt	mg/L	0.981	<0.0060	1.00	98.1	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Copper	mg/L	0.989	<0.0100	1.00	98.9	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Iron	mg/L	10.9	<0.100	10.0	109	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Lead	mg/L	1.00	<0.0075	1.00	100	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Lithium	mg/L	1.02	<0.040	1.00	98.8	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Magnesium	mg/L	73.9	51.8	20.0	110	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Manganese	mg/L	1.06	<0.0080	1.00	105	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Molybdenum	mg/L	1.01	<0.0080	1.00	101	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Nickel	mg/L	0.987	<0.0100	1.00	98.7	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Potassium	mg/L	22.0	1.17	20.0	104	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Silver	mg/L	0.0528	<0.0050	0.0500	106	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Sodium	mg/L	22.8	2.70	19.0	106	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.7	Zinc	mg/L	0.992	<0.0100	1.00	99.2	70 - 130	X418179 - X4D0507-01	02-May-24	
EPA 200.8	Antimony	mg/L	0.658	0.638	0.0250	79.7	70 - 130	X418003 - X4D0385-01	06-May-24	D1
EPA 200.8	Antimony	mg/L	0.0281	<0.00100	0.0250	112	70 - 130	X418003 - X4D0403-06	06-May-24	
EPA 200.8	Arsenic	mg/L	0.342	0.314	0.0250	112	70 - 130	X418003 - X4D0385-01	06-May-24	D1
EPA 200.8	Arsenic	mg/L	0.0288	<0.00100	0.0250	115	70 - 130	X418003 - X4D0403-06	06-May-24	
EPA 200.8	Selenium	mg/L	0.682	0.748	0.0250	0.30R>S	70 - 130	X418003 - X4D0385-01	06-May-24	D1,M4
EPA 200.8	Selenium	mg/L	0.0291	<0.00100	0.0250	113	70 - 130	X418003 - X4D0403-06	06-May-24	
EPA 200.8	Thallium	mg/L	<0.0200	<0.0200	0.0250	N/A	70 - 130	X418003 - X4D0385-01	06-May-24	D1,M4
EPA 200.8	Thallium	mg/L	0.0273	<0.000200	0.0250	109	70 - 130	X418003 - X4D0403-06	06-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0449**
Reported: 08-May-24 10:14

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.8	Uranium	mg/L	0.0200	<0.0100	0.0250	79.9	70 - 130	X418003 - X4D0385-01	06-May-24	D1
EPA 200.8	Uranium	mg/L	0.0640	0.0369	0.0250	108	70 - 130	X418003 - X4D0403-06	06-May-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00203	<0.000200	0.00200	102	70 - 130	X419026 - X4D0421-01	07-May-24	
EPA 245.1	Mercury	mg/L	0.00203	<0.000200	0.00200	101	70 - 130	X419026 - X4D0466-01	07-May-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0970	<0.0050	0.100	97.0	79 - 121	X418027 - X4D0346-13	29-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.113	0.0092	0.100	104	90 - 110	X418022 - X4D0400-02	30-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.107	<0.0050	0.100	103	90 - 110	X418022 - X4D0400-03	30-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.969	<0.030	1.00	96.9	90 - 110	X418105 - X4D0421-01	01-May-24	
EPA 350.1	Ammonia as N	mg/L	0.975	<0.030	1.00	97.5	90 - 110	X418105 - X4D0422-01	01-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.107	<0.0050	0.100	107	82 - 118	X418218 - X4D0086-05	02-May-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	31.2	29.0	3.00	0.30R>S	90 - 110	X417197 - X4D0448-01	25-Apr-24	D2,M4
EPA 300.0	Chloride	mg/L	12.0	8.74	3.00	110	90 - 110	X417197 - X4D0454-01	25-Apr-24	
EPA 300.0	Fluoride	mg/L	3.58	1.63	2.00	97.1	90 - 110	X417197 - X4D0448-01	25-Apr-24	
EPA 300.0	Fluoride	mg/L	2.05	<0.100	2.00	99.1	90 - 110	X417197 - X4D0454-01	25-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.34	0.344	2.00	99.5	90 - 110	X417197 - X4D0448-01	25-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.10	0.099	2.00	100	90 - 110	X417197 - X4D0454-01	25-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.35	0.344	4.00	100	90 - 110	X417197 - X4D0448-01	25-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.14	<0.100	4.00	101	90 - 110	X417197 - X4D0454-01	25-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	101	90 - 110	X417197 - X4D0448-01	25-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X417197 - X4D0454-01	25-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	115	106	10.0	0.30R>S	90 - 110	X417197 - X4D0448-01	25-Apr-24	D2,M4
EPA 300.0	Sulfate as SO4	mg/L	32.7	22.7	10.0	101	90 - 110	X417197 - X4D0454-01	25-Apr-24	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	78.5	79.7	20.0	2.0	20	96	X418277 - X4D0448-01	
EPA 200.7	Magnesium	mg/L	29.3	29.7	20.0	1.3	20	100	X418277 - X4D0448-01	
EPA 200.7	Potassium	mg/L	22.0	22.2	20.0	1.0	20	98.1	X418277 - X4D0448-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.06	1.07	1.00	1.1	20	106	X418179 - X4D0507-01	
EPA 200.7	Barium	mg/L	1.12	1.12	1.00	0.4	20	106	X418179 - X4D0507-01	
EPA 200.7	Beryllium	mg/L	1.04	1.03	1.00	0.7	20	104	X418179 - X4D0507-01	
EPA 200.7	Boron	mg/L	1.04	1.05	1.00	0.8	20	103	X418179 - X4D0507-01	
EPA 200.7	Cadmium	mg/L	1.01	1.03	1.00	1.2	20	101	X418179 - X4D0507-01	
EPA 200.7	Calcium	mg/L	106	105	20.0	0.4	20	109	X418179 - X4D0507-01	
EPA 200.7	Chromium	mg/L	1.03	1.01	1.00	1.7	20	103	X418179 - X4D0507-01	
EPA 200.7	Cobalt	mg/L	0.970	0.981	1.00	1.1	20	97.0	X418179 - X4D0507-01	
EPA 200.7	Copper	mg/L	0.997	0.989	1.00	0.8	20	99.7	X418179 - X4D0507-01	
EPA 200.7	Iron	mg/L	10.8	10.9	10.0	0.9	20	108	X418179 - X4D0507-01	
EPA 200.7	Lead	mg/L	0.998	1.00	1.00	0.3	20	99.8	X418179 - X4D0507-01	
EPA 200.7	Lithium	mg/L	1.02	1.02	1.00	0.3	20	98.4	X418179 - X4D0507-01	
EPA 200.7	Magnesium	mg/L	73.8	73.9	20.0	0.2	20	110	X418179 - X4D0507-01	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0449**
Reported: 08-May-24 10:14

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.06	1.06	1.00	0.3	20	105	X418179 - X4D0507-01	
EPA 200.7	Molybdenum	mg/L	1.00	1.01	1.00	0.7	20	100	X418179 - X4D0507-01	
EPA 200.7	Nickel	mg/L	0.983	0.987	1.00	0.4	20	98.3	X418179 - X4D0507-01	
EPA 200.7	Potassium	mg/L	22.2	22.0	20.0	0.9	20	105	X418179 - X4D0507-01	
EPA 200.7	Silver	mg/L	0.0528	0.0528	0.0500	0.1	20	106	X418179 - X4D0507-01	
EPA 200.7	Sodium	mg/L	22.8	22.8	19.0	0.1	20	106	X418179 - X4D0507-01	
EPA 200.7	Vanadium	mg/L	1.04	1.04	1.00	0.4	20	104	X418179 - X4D0507-01	
EPA 200.7	Zinc	mg/L	0.981	0.992	1.00	1.1	20	98.1	X418179 - X4D0507-01	
EPA 200.8	Antimony	mg/L	0.653	0.658	0.0250	0.7	20	0.30R>S	X418003 - X4D0385-01	D1,M4
EPA 200.8	Arsenic	mg/L	0.337	0.342	0.0250	1.5	20	90.8	X418003 - X4D0385-01	D1
EPA 200.8	Selenium	mg/L	0.877	0.682	0.0250	25.0	20	0.30R>S	X418003 - X4D0385-01	D1,M4
EPA 200.8	Thallium	mg/L	<0.0200	<0.0200	0.0250	N/A	20	37.9	X418003 - X4D0385-01	D1,M4
EPA 200.8	Uranium	mg/L	0.0216	0.0200	0.0250	8.0	20	86.5	X418003 - X4D0385-01	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00198	0.00203	0.00200	2.5	20	99.1	X419026 - X4D0421-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.105	0.0970	0.100	7.9	11	105	X418027 - X4D0346-13	
EPA 335.4	Cyanide (total)	mg/L	0.112	0.113	0.100	0.4	20	103	X418022 - X4D0400-02	
EPA 350.1	Ammonia as N	mg/L	1.04	0.969	1.00	7.2	20	104	X418105 - X4D0421-01	
OIA 1677	Cyanide (WAD)	mg/L	0.109	0.107	0.100	1.9	11	109	X418218 - X4D0086-05	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	31.7	31.2	3.00	1.6	20	91.2	X417197 - X4D0448-01	D2
EPA 300.0	Fluoride	mg/L	3.61	3.58	2.00	0.8	20	98.6	X417197 - X4D0448-01	
EPA 300.0	Nitrate as N	mg/L	2.37	2.34	2.00	1.4	20	101	X417197 - X4D0448-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.42	4.35	4.00	1.6	20	102	X417197 - X4D0448-01	
EPA 300.0	Nitrite as N	mg/L	2.05	2.01	2.00	1.8	20	102	X417197 - X4D0448-01	
EPA 300.0	Sulfate as SO4	mg/L	116	115	10.0	0.8	20	97.8	X417197 - X4D0448-01	D2

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0449**
Victor, CO 80860	Reported: 08-May-24 10:14

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0500**
Victor, CO 80860	Reported: 15-May-24 13:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-24A	X4D0500-01	Ground Water	29-Apr-24 14:15	PB	30-Apr-2024	

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

Case Narrative: X4D0500

The state of origin only accredits for drinking water analyses.

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0500**
Reported: 15-May-24 13:07

Client Sample ID: **GVMW-24A**
SVL Sample ID: **X4D0500-01 (Ground Water)**

Sampled: 29-Apr-24 14:15
Received: 30-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	97.3	mg/L	0.100	0.069		X419017	SMU	05/07/24 13:21	
EPA 200.7	**Magnesium**	32.4	mg/L	0.500	0.090		X419017	SMU	05/07/24 13:21	
EPA 200.7	**Potassium**	2.90	mg/L	0.50	0.18		X419017	SMU	05/07/24 13:21	
SM 2340 B	**Hardness (as CaCO3)**	376	mg/L	2.31	0.543		N/A		05/08/24 10:48	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Barium**	0.0589	mg/L	0.0020	0.0019		X418256	NMS	05/08/24 10:48	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X418256	NMS	05/08/24 10:48	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X418256	NMS	05/08/24 10:48	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Calcium**	99.9	mg/L	0.100	0.069		X418256	NMS	05/08/24 10:48	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X418256	NMS	05/08/24 10:48	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Copper**	0.0132	mg/L	0.0100	0.0027		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Iron**	0.536	mg/L	0.100	0.056		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Lead**	0.0105	mg/L	0.0075	0.0049		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Lithium**	0.066	mg/L	0.040	0.025		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Magnesium**	34.9	mg/L	0.500	0.090		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Manganese**	0.592	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Molybdenum**	0.0517	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 10:48	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Potassium**	1.22	mg/L	0.50	0.18		X418256	NMS	05/08/24 10:48	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Sodium**	103	mg/L	0.50	0.12		X418256	NMS	05/08/24 10:48	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 10:48	
EPA 200.7	**Zinc**	0.0373	mg/L	0.0100	0.0054		X418256	NMS	05/08/24 10:48	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X418295	SMU	05/10/24 16:30	
EPA 200.8	**Arsenic**	0.00147	mg/L	0.00100	0.00021		X418295	SMU	05/10/24 16:30	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X418295	SMU	05/10/24 16:30	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X418295	SMU	05/10/24 16:30	
EPA 200.8	**Uranium**	0.00969	mg/L	0.000100	0.000052		X418295	SMU	05/10/24 16:30	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X419026	MAC	05/07/24 17:10	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X418274	DD	05/06/24 13:29	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X419004	DD	05/07/24 09:11	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X418240	DD	05/03/24 08:51	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X418219	DD	05/02/24 11:04	
SM 2310 B	**Acidity to pH 8.3**	-161	mg/L as CaCO3	10.0			X418255	MWD	05/03/24 12:38	
SM 2320 B	**Total Alkalinity**	153	mg/L as CaCO3	1.0			X418154	MWD	05/01/24 13:24	
SM 2320 B	**Bicarbonate**	153	mg/L as CaCO3	1.0			X418154	MWD	05/01/24 13:24	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X418154	MWD	05/01/24 13:24	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X418154	MWD	05/01/24 13:24	
SM 2540 C	**Total Diss. Solids**	835	mg/L	10			X418160	TJL	05/02/24 14:00	
SM 2540 D	**Total Susp. Solids**	51.0	mg/L	5.0			X418161	TJL	05/02/24 13:25	
SM 4500 H B	**pH @18.4°C**	7.7	pH Units				X418154	MWD	05/01/24 13:24	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: **X4D0500**
Reported: 15-May-24 13:07

Client Sample ID: **GVMW-24A**
SVL Sample ID: **X4D0500-01 (Ground Water)**

Sampled: 29-Apr-24 14:15
Received: 30-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.96	mg/L	0.20	0.02		X418120	RS	04/30/24 12:02	
EPA 300.0	**Fluoride**	0.813	mg/L	0.100	0.017		X418120	RS	04/30/24 12:02	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X418120	RS	04/30/24 12:02	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X418120	RS	04/30/24 12:02	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X418120	RS	04/30/24 12:02	
EPA 300.0	**Sulfate as SO4**	472	mg/L	7.50	4.50	25	X418120	RS	04/30/24 12:21	D2,M4
Cation/Anion Balance and TDS Ratios										

Cation Sum: 12.1 meq/L Anion Sum: 13.1 meq/L C/A Balance: -3.88 % Calculated TDS: 807 TDS/cTDS: 1.03

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0500**
Reported: 15-May-24 13:07

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X419017	07-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X419017	07-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X419017	07-May-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X418256	08-May-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X418256	08-May-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X418256	08-May-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X418256	08-May-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X418256	08-May-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X418256	08-May-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X418256	08-May-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X418256	08-May-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X418256	08-May-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X418256	08-May-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X418256	08-May-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X418256	08-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X418256	08-May-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X418256	08-May-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X418256	08-May-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X418256	08-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X418256	08-May-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X418256	08-May-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X418256	08-May-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X418256	08-May-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X418256	08-May-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X418295	10-May-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X418295	10-May-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X418295	10-May-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X418295	10-May-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X418295	10-May-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X419026	07-May-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X418274	06-May-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X419004	07-May-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X418240	03-May-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X418219	02-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X418255	03-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X418154	01-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X418154	01-May-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X418154	01-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X418154	01-May-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X418160	02-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X418161	02-May-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X418120	30-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X418120	30-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X418120	30-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X418120	30-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X418120	30-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X418120	30-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0500**
Reported: 15-May-24 13:07

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.2	20.0	96	85 - 115	X419017	07-May-24	
EPA 200.7	Magnesium	mg/L	17.9	20.0	89.3	85 - 115	X419017	07-May-24	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.7	85 - 115	X419017	07-May-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.971	1.00	97.1	85 - 115	X418256	08-May-24	
EPA 200.7	Barium	mg/L	0.970	1.00	97.0	85 - 115	X418256	08-May-24	
EPA 200.7	Beryllium	mg/L	0.976	1.00	97.6	85 - 115	X418256	08-May-24	
EPA 200.7	Boron	mg/L	0.976	1.00	97.6	85 - 115	X418256	08-May-24	
EPA 200.7	Cadmium	mg/L	0.956	1.00	95.6	85 - 115	X418256	08-May-24	
EPA 200.7	Calcium	mg/L	19.2	20.0	96.2	85 - 115	X418256	08-May-24	
EPA 200.7	Chromium	mg/L	0.966	1.00	96.6	85 - 115	X418256	08-May-24	
EPA 200.7	Cobalt	mg/L	0.940	1.00	94.0	85 - 115	X418256	08-May-24	
EPA 200.7	Copper	mg/L	0.949	1.00	94.9	85 - 115	X418256	08-May-24	
EPA 200.7	Iron	mg/L	10.0	10.0	100	85 - 115	X418256	08-May-24	
EPA 200.7	Lead	mg/L	0.950	1.00	95.0	85 - 115	X418256	08-May-24	
EPA 200.7	Lithium	mg/L	0.948	1.00	94.8	85 - 115	X418256	08-May-24	
EPA 200.7	Magnesium	mg/L	19.1	20.0	95.6	85 - 115	X418256	08-May-24	
EPA 200.7	Manganese	mg/L	0.958	1.00	95.8	85 - 115	X418256	08-May-24	
EPA 200.7	Molybdenum	mg/L	0.967	1.00	96.7	85 - 115	X418256	08-May-24	
EPA 200.7	Nickel	mg/L	0.928	1.00	92.8	85 - 115	X418256	08-May-24	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.5	85 - 115	X418256	08-May-24	
EPA 200.7	Silver	mg/L	0.0505	0.0500	101	85 - 115	X418256	08-May-24	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.4	85 - 115	X418256	08-May-24	
EPA 200.7	Vanadium	mg/L	0.967	1.00	96.7	85 - 115	X418256	08-May-24	
EPA 200.7	Zinc	mg/L	0.952	1.00	95.2	85 - 115	X418256	08-May-24	
EPA 200.8	Antimony	mg/L	0.0239	0.0250	95.4	85 - 115	X418295	10-May-24	
EPA 200.8	Arsenic	mg/L	0.0236	0.0250	94.4	85 - 115	X418295	10-May-24	
EPA 200.8	Selenium	mg/L	0.0235	0.0250	94.1	85 - 115	X418295	10-May-24	
EPA 200.8	Thallium	mg/L	0.0238	0.0250	95.4	85 - 115	X418295	10-May-24	
EPA 200.8	Uranium	mg/L	0.0240	0.0250	96.1	85 - 115	X418295	10-May-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00204	0.00200	102	85 - 115	X419026	07-May-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.104	0.100	104	90 - 110	X418274	06-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X419004	07-May-24	
EPA 350.1	Ammonia as N	mg/L	1.02	1.00	102	90 - 110	X418240	03-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.110	0.100	110	90 - 110	X418219	02-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	897	884	102	95.4 - 104	X418255	03-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X418154	01-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	393	397	98.9	96.4 - 105	X418154	01-May-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X418161	02-May-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.99	3.00	99.5	90 - 110	X418120	30-Apr-24	
EPA 300.0	Fluoride	mg/L	1.95	2.00	97.6	90 - 110	X418120	30-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.00	2.00	99.8	90 - 110	X418120	30-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.48	4.50	99.6	90 - 110	X418120	30-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.49	2.50	99.5	90 - 110	X418120	30-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X418120	30-Apr-24	

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0500**
Reported: 15-May-24 13:07

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X418255 - X4D0437-01	03-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	78.6	86.0	9.0	20	X418154 - X4D0501-02	01-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	75.8	76.9	1.4	20	X418154 - X4D0501-02	01-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X418154 - X4D0501-02	01-May-24	
SM 2540 C	Total Diss. Solids	mg/L	224	229	2.2	10	X418160 - X4D0521-01	02-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X418161 - X4D0521-01	02-May-24	
SM 4500 H B	pH @18.6°C	pH Units	8.6	8.7	0.8	20	X418154 - X4D0501-02	01-May-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	41.2	21.4	20.0	99	70 - 130	X419017 - X4E0006-01	07-May-24	
EPA 200.7	Calcium	mg/L	118	98.6	20.0	98	70 - 130	X419017 - X4E0026-02	07-May-24	
EPA 200.7	Magnesium	mg/L	23.2	4.66	20.0	92.5	70 - 130	X419017 - X4E0006-01	07-May-24	
EPA 200.7	Magnesium	mg/L	24.2	5.73	20.0	92.2	70 - 130	X419017 - X4E0026-02	07-May-24	
EPA 200.7	Potassium	mg/L	21.7	2.06	20.0	98.4	70 - 130	X419017 - X4E0006-01	07-May-24	
EPA 200.7	Potassium	mg/L	20.4	<0.50	20.0	102	70 - 130	X419017 - X4E0026-02	07-May-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.923	<0.080	1.00	92.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Aluminum	mg/L	5.31	4.38	1.00	93.8	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Barium	mg/L	0.996	0.0419	1.00	95.4	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Barium	mg/L	0.973	0.0075	1.00	96.5	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Beryllium	mg/L	0.963	<0.00200	1.00	96.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Beryllium	mg/L	0.953	<0.00200	1.00	95.3	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Boron	mg/L	1.01	<0.0400	1.00	97.2	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Boron	mg/L	0.968	<0.0400	1.00	96.8	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Cadmium	mg/L	0.909	<0.0020	1.00	90.9	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Cadmium	mg/L	0.954	0.0393	1.00	91.4	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Calcium	mg/L	97.6	77.9	20.0	98.4	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Calcium	mg/L	196	178	20.0	88.3	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Chromium	mg/L	0.919	<0.0060	1.00	91.9	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Chromium	mg/L	0.942	0.0060	1.00	93.6	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Cobalt	mg/L	0.892	<0.0060	1.00	89.2	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Cobalt	mg/L	0.954	0.0335	1.00	92.1	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Copper	mg/L	0.921	<0.0100	1.00	92.1	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Copper	mg/L	1.24	0.306	1.00	93.5	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Iron	mg/L	31.5	21.3	10.0	101	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Lead	mg/L	0.905	<0.0075	1.00	90.5	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Lead	mg/L	0.914	<0.0075	1.00	91.4	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Lithium	mg/L	0.913	<0.040	1.00	91.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Lithium	mg/L	0.921	<0.040	1.00	92.1	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Magnesium	mg/L	32.5	13.4	20.0	95.6	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Magnesium	mg/L	23.5	4.32	20.0	95.9	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Manganese	mg/L	0.924	0.0112	1.00	91.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Manganese	mg/L	3.47	2.58	1.00	89.3	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Molybdenum	mg/L	0.913	<0.0080	1.00	91.3	70 - 130	X418256 - X4D0451-05	08-May-24	

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: **X4D0500**
Reported: 15-May-24 13:07

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Molybdenum	mg/L	0.926	<0.0080	1.00	92.6	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Nickel	mg/L	0.889	<0.0100	1.00	88.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Nickel	mg/L	1.15	0.235	1.00	91.6	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Potassium	mg/L	25.3	5.72	20.0	98.1	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Potassium	mg/L	19.9	<0.50	20.0	99.4	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Silver	mg/L	0.0459	<0.0050	0.0500	91.9	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Silver	mg/L	0.0492	<0.0050	0.0500	98.3	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Sodium	mg/L	53.1	35.0	19.0	95.5	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Sodium	mg/L	19.7	0.71	19.0	100	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Vanadium	mg/L	0.942	0.0091	1.00	93.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Vanadium	mg/L	0.946	<0.0050	1.00	94.6	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Zinc	mg/L	0.928	<0.0100	1.00	92.2	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Zinc	mg/L	3.53	2.69	1.00	84.4	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.8	Antimony	mg/L	0.0252	<0.00100	0.0250	96.9	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Antimony	mg/L	0.0251	<0.00100	0.0250	101	70 - 130	X418295 - X4E0017-01	10-May-24	
EPA 200.8	Arsenic	mg/L	0.0243	<0.00100	0.0250	97.2	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Arsenic	mg/L	0.0189	0.00131	0.0250	70.3	70 - 130	X418295 - X4E0017-01	10-May-24	
EPA 200.8	Selenium	mg/L	0.0254	<0.00100	0.0250	99.0	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Selenium	mg/L	0.0187	0.00149	0.0250	68.8	70 - 130	X418295 - X4E0017-01	10-May-24	M2
EPA 200.8	Thallium	mg/L	0.0229	<0.000200	0.0250	91.7	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Thallium	mg/L	0.0218	<0.000200	0.0250	87.4	70 - 130	X418295 - X4E0017-01	10-May-24	
EPA 200.8	Uranium	mg/L	0.0239	0.000442	0.0250	93.7	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Uranium	mg/L	0.0380	0.0151	0.0250	91.8	70 - 130	X418295 - X4E0017-01	10-May-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00203	<0.000200	0.00200	102	70 - 130	X419026 - X4D0421-01	07-May-24	
EPA 245.1	Mercury	mg/L	0.00203	<0.000200	0.00200	101	70 - 130	X419026 - X4D0466-01	07-May-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	<0.0050	0.100	102	79 - 121	X418274 - X4D0346-12	06-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X419004 - X4D0500-01	07-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X419004 - X4E0006-01	07-May-24	
EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X418240 - X4D0500-01	03-May-24	
EPA 350.1	Ammonia as N	mg/L	1.09	<0.030	1.00	109	90 - 110	X418240 - X4E0006-01	03-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.112	<0.0050	0.100	110	82 - 118	X418219 - X4D0500-01	02-May-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.10	4.96	3.00	105	90 - 110	X418120 - X4D0500-01	30-Apr-24	
EPA 300.0	Chloride	mg/L	3.19	0.20	3.00	99.5	90 - 110	X418120 - X4D0509-07	30-Apr-24	
EPA 300.0	Fluoride	mg/L	2.50	0.813	2.00	84.2	90 - 110	X418120 - X4D0500-01	30-Apr-24	M2
EPA 300.0	Fluoride	mg/L	2.04	0.103	2.00	97.0	90 - 110	X418120 - X4D0509-07	30-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.00	<0.050	2.00	99.2	90 - 110	X418120 - X4D0500-01	30-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.19	0.194	2.00	99.9	90 - 110	X418120 - X4D0509-07	30-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.01	<0.100	4.00	100	90 - 110	X418120 - X4D0500-01	30-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.20	0.194	4.00	100	90 - 110	X418120 - X4D0509-07	30-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	101	90 - 110	X418120 - X4D0500-01	30-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	101	90 - 110	X418120 - X4D0509-07	30-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	493	472	10.0	0.30R>S	90 - 110	X418120 - X4D0500-01	30-Apr-24	D2,M4
EPA 300.0	Sulfate as SO4	mg/L	21.9	11.7	10.0	102	90 - 110	X418120 - X4D0509-07	30-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0500**
Reported: 15-May-24 13:07

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	41.3	41.2	20.0	0.0	20	99	X419017 - X4E0006-01	
EPA 200.7	Magnesium	mg/L	23.0	23.2	20.0	0.8	20	91.5	X419017 - X4E0006-01	
EPA 200.7	Potassium	mg/L	21.8	21.7	20.0	0.3	20	98.8	X419017 - X4E0006-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.903	0.923	1.00	2.2	20	90.3	X418256 - X4D0451-05	
EPA 200.7	Barium	mg/L	0.969	0.996	1.00	2.8	20	92.7	X418256 - X4D0451-05	
EPA 200.7	Beryllium	mg/L	0.946	0.963	1.00	1.8	20	94.6	X418256 - X4D0451-05	
EPA 200.7	Boron	mg/L	0.992	1.01	1.00	1.8	20	95.4	X418256 - X4D0451-05	
EPA 200.7	Cadmium	mg/L	0.883	0.909	1.00	2.9	20	88.3	X418256 - X4D0451-05	
EPA 200.7	Calcium	mg/L	96.8	97.6	20.0	0.8	20	94.5	X418256 - X4D0451-05	
EPA 200.7	Chromium	mg/L	0.890	0.919	1.00	3.2	20	89.0	X418256 - X4D0451-05	
EPA 200.7	Cobalt	mg/L	0.860	0.892	1.00	3.7	20	86.0	X418256 - X4D0451-05	
EPA 200.7	Copper	mg/L	0.899	0.921	1.00	2.5	20	89.9	X418256 - X4D0451-05	
EPA 200.7	Iron	mg/L	9.91	10.2	10.0	2.7	20	99.1	X418256 - X4D0451-05	
EPA 200.7	Lead	mg/L	0.870	0.905	1.00	3.9	20	87.0	X418256 - X4D0451-05	
EPA 200.7	Lithium	mg/L	0.884	0.913	1.00	3.3	20	88.4	X418256 - X4D0451-05	
EPA 200.7	Magnesium	mg/L	31.4	32.5	20.0	3.5	20	90.0	X418256 - X4D0451-05	
EPA 200.7	Manganese	mg/L	0.898	0.924	1.00	2.9	20	88.7	X418256 - X4D0451-05	
EPA 200.7	Molybdenum	mg/L	0.888	0.913	1.00	2.8	20	88.8	X418256 - X4D0451-05	
EPA 200.7	Nickel	mg/L	0.857	0.889	1.00	3.7	20	85.1	X418256 - X4D0451-05	
EPA 200.7	Potassium	mg/L	24.8	25.3	20.0	2.1	20	95.4	X418256 - X4D0451-05	
EPA 200.7	Silver	mg/L	0.0443	0.0459	0.0500	3.6	20	88.6	X418256 - X4D0451-05	
EPA 200.7	Sodium	mg/L	52.6	53.1	19.0	0.9	20	92.9	X418256 - X4D0451-05	
EPA 200.7	Vanadium	mg/L	0.917	0.942	1.00	2.6	20	90.8	X418256 - X4D0451-05	
EPA 200.7	Zinc	mg/L	0.895	0.928	1.00	3.6	20	89.0	X418256 - X4D0451-05	
EPA 200.8	Antimony	mg/L	0.0251	0.0252	0.0250	0.2	20	96.7	X418295 - X4D0517-01	
EPA 200.8	Arsenic	mg/L	0.0241	0.0243	0.0250	0.7	20	96.5	X418295 - X4D0517-01	
EPA 200.8	Selenium	mg/L	0.0255	0.0254	0.0250	0.4	20	99.4	X418295 - X4D0517-01	
EPA 200.8	Thallium	mg/L	0.0229	0.0229	0.0250	0.2	20	91.5	X418295 - X4D0517-01	
EPA 200.8	Uranium	mg/L	0.0238	0.0239	0.0250	0.2	20	93.5	X418295 - X4D0517-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00198	0.00203	0.00200	2.5	20	99.1	X419026 - X4D0421-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	0.102	0.100	2.0	11	100	X418274 - X4D0346-12	
EPA 335.4	Cyanide (total)	mg/L	0.0990	0.101	0.100	1.6	20	99.0	X419004 - X4D0500-01	
EPA 350.1	Ammonia as N	mg/L	1.05	1.01	1.00	3.6	20	105	X418240 - X4D0500-01	
OIA 1677	Cyanide (WAD)	mg/L	0.107	0.112	0.100	4.6	11	105	X418219 - X4D0500-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.15	8.10	3.00	0.7	20	106	X418120 - X4D0500-01	
EPA 300.0	Fluoride	mg/L	2.51	2.50	2.00	0.5	20	84.9	X418120 - X4D0500-01	M2
EPA 300.0	Nitrate as N	mg/L	2.04	2.00	2.00	1.8	20	101	X418120 - X4D0500-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.11	4.01	4.00	2.3	20	103	X418120 - X4D0500-01	
EPA 300.0	Nitrite as N	mg/L	2.07	2.01	2.00	2.8	20	104	X418120 - X4D0500-01	
EPA 300.0	Sulfate as SO4	mg/L	487	493	10.0	1.2	20	0.30R>S	X418120 - X4D0500-01	D2,M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0500**
Victor, CO 80860	Reported: 15-May-24 13:07

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4E0009**
Victor, CO 80860	Reported: 15-May-24 13:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
Seep-1	X4E0009-01	Ground Water	30-Apr-24 12:45	BD	01-May-2024	Q5
Seep-2	X4E0009-02	Ground Water	30-Apr-24 12:10	BD	01-May-2024	Q5,Q5C
EMP-16	X4E0009-03	Ground Water	30-Apr-24 10:00	BD	01-May-2024	
EMP-17	X4E0009-04	Ground Water	30-Apr-24 10:50	BD	01-May-2024	
EMP-17A	X4E0009-05	Ground Water	30-Apr-24 11:20	BD	01-May-2024	
EMP-17B	X4E0009-06	Ground Water	30-Apr-24 11:45	BD	01-May-2024	

Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

Case Narrative: X4E0009

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **Seep-1**
SVL Sample ID: **X4E0009-01 (Ground Water)**

Sampled: 30-Apr-24 12:45
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	314	mg/L	10.0	6.90	100	X419018	SMU	05/07/24 13:37	D1
EPA 200.7	**Magnesium**	1300	mg/L	50.0	9.00	100	X419018	SMU	05/07/24 13:37	D2
EPA 200.7	Potassium	< 50.0	mg/L	50.0	18.0	100	X419018	SMU	05/07/24 13:37	D1
SM 2340 B	**Hardness (as CaCO3)**	6150	mg/L	211	40.5		N/A		05/08/24 10:56	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	2870	mg/L	1.60	1.08	20	X418256	NMS	05/08/24 10:56	D2
EPA 200.7	Barium	< 0.0400	mg/L	0.0400	0.0380	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Beryllium**	0.514	mg/L	0.0400	0.0160	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	Boron	< 0.800	mg/L	0.800	0.156	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Cadmium**	11.2	mg/L	0.0400	0.0320	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Calcium**	316	mg/L	2.00	1.38	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Chromium**	0.938	mg/L	0.120	0.0400	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Cobalt**	10.9	mg/L	0.120	0.0920	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Copper**	11.7	mg/L	0.200	0.0540	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Iron**	987	mg/L	2.00	1.12	20	X418256	NMS	05/08/24 10:56	D2
EPA 200.7	Lead	< 0.150	mg/L	0.150	0.0980	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Lithium**	0.805	mg/L	0.800	0.500	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Magnesium**	1340	mg/L	10.0	1.80	20	X418256	NMS	05/08/24 10:56	D2
EPA 200.7	**Manganese**	1330	mg/L	0.160	0.0680	20	X418256	NMS	05/08/24 10:56	D2
EPA 200.7	Molybdenum	< 0.160	mg/L	0.160	0.0680	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Nickel**	11.0	mg/L	0.200	0.0960	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	Silver	< 0.100	mg/L	0.100	0.0380	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Sodium**	40.4	mg/L	10.0	2.40	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	Vanadium	< 0.100	mg/L	0.100	0.0380	20	X418256	NMS	05/08/24 10:56	D1
EPA 200.7	**Zinc**	166	mg/L	0.200	0.108	20	X418256	NMS	05/08/24 10:56	D2
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X418295	SMU	05/10/24 17:03	D1
EPA 200.8	**Arsenic**	0.248	mg/L	0.100	0.0210	100	X418295	SMU	05/10/24 17:03	D1
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X418295	SMU	05/10/24 17:03	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X418295	SMU	05/10/24 17:03	D1
EPA 200.8	**Uranium**	10.8	mg/L	0.0100	0.00520	100	X418295	SMU	05/10/24 17:03	D2
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X419148	MAC	05/14/24 13:02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X418274	DD	05/07/24 11:28	D1,Q12
EPA 335.4	**Cyanide (total)**	0.0101	mg/L	0.0050	0.0038		X419004	DD	05/07/24 09:26	
EPA 350.1	Ammonia as N	< 0.300	mg/L	0.300	0.127	10	X418240	DD	05/03/24 09:07	D1
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X418219	DD	05/02/24 11:22	
SM 2310 B	**Acidity to pH 8.3**	21600	mg/L as CaCO3	10.0			X418258	MWD	05/03/24 12:34	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:21	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:21	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:21	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:21	
SM 2540 C	**Total Diss. Solids**	40200	mg/L	100			X418215	TJL	05/03/24 14:10	D2,E11
SM 2540 D	**Total Susp. Solids**	60.0	mg/L	5.0			X418216	TJL	05/03/24 15:50	
SM 4500 H B	**pH @17.6°C**	2.7	pH Units				X418228	MWD	05/02/24 11:21	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: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **Seep-1**
SVL Sample ID: **X4E0009-01 (Ground Water)**

Sampled: 30-Apr-24 12:45
Received: 01-May-24
Sampled By: BD

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	X418197	RS	05/01/24 17:48	D1
EPA 300.0	**Fluoride**	25.4	mg/L	5.00	0.850	50	X418197	RS	05/01/24 17:48	D2
EPA 300.0	**Nitrate as N**	8.80	mg/L	2.50	0.650	50	X418197	RS	05/01/24 17:48	D2
EPA 300.0	**Nitrate+Nitrite as N**	8.80	mg/L	5.00	2.20	50	X418197	RS	05/01/24 17:48	D2
EPA 300.0	Nitrite as N	< 2.50	mg/L	2.50	1.55	50	X418197	RS	05/01/24 17:48	D1
EPA 300.0	**Sulfate as SO4**	28400	mg/L	300	180	1000	X418197	RS	05/01/24 18:06	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 557 meq/L Anion Sum: 593 meq/L C/A Balance: -3.20 % Calculated TDS: 30140 TDS/cTDS: 1.33

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **Seep-2**
SVL Sample ID: **X4E0009-02 (Ground Water)**

Sampled: 30-Apr-24 12:10
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	112	mg/L	1.00	0.690	10	X419018	SMU	05/07/24 14:57	D1
EPA 200.7	**Magnesium**	77.5	mg/L	5.00	0.900	10	X419018	SMU	05/07/24 14:57	D1
EPA 200.7	Potassium	< 5.00	mg/L	5.00	1.80	10	X419018	SMU	05/07/24 14:57	D1
SM 2340 B	**Hardness (as CaCO3)**	600	mg/L	23.1	5.43		N/A		05/08/24 11:00	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	467	mg/L	0.800	0.540	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Barium**	0.0236	mg/L	0.0200	0.0190	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Beryllium**	0.0399	mg/L	0.0200	0.00800	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	Boron	< 0.400	mg/L	0.400	0.0780	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Cadmium**	2.73	mg/L	0.0200	0.0160	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Calcium**	112	mg/L	1.00	0.690	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Chromium**	0.120	mg/L	0.0600	0.0200	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Cobalt**	1.44	mg/L	0.0600	0.0460	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Copper**	6.33	mg/L	0.100	0.0270	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Iron**	339	mg/L	1.00	0.560	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	Lead	< 0.0750	mg/L	0.0750	0.0490	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	Lithium	< 0.400	mg/L	0.400	0.250	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Magnesium**	81.4	mg/L	5.00	0.900	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Manganese**	201	mg/L	0.0800	0.0340	10	X418256	NMS	05/08/24 11:00	D2
EPA 200.7	Molybdenum	< 0.0800	mg/L	0.0800	0.0340	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Nickel**	0.824	mg/L	0.100	0.0480	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	Potassium	< 5.00	mg/L	5.00	1.80	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	Silver	< 0.0500	mg/L	0.0500	0.0190	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	Sodium	< 5.00	mg/L	5.00	1.20	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	Vanadium	< 0.0500	mg/L	0.0500	0.0190	10	X418256	NMS	05/08/24 11:00	D1
EPA 200.7	**Zinc**	114	mg/L	0.100	0.0540	10	X418256	NMS	05/08/24 11:00	D2
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X418295	SMU	05/13/24 10:49	D1
EPA 200.8	**Arsenic**	0.298	mg/L	0.100	0.0210	100	X418295	SMU	05/13/24 10:49	D1
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X418295	SMU	05/13/24 10:49	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X418295	SMU	05/13/24 10:49	D1
EPA 200.8	**Uranium**	3.85	mg/L	0.0100	0.00520	100	X418295	SMU	05/13/24 10:49	D2
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X419148	MAC	05/14/24 13:04	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X418274	DD	05/07/24 11:30	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X419004	DD	05/07/24 09:29	
EPA 350.1	**Ammonia as N**	0.159	mg/L	0.150	0.064	5	X418240	DD	05/03/24 09:09	D1
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X418219	DD	05/02/24 11:24	
SM 2310 B	**Acidity to pH 8.3**	4330	mg/L as CaCO3	10.0			X418258	MWD	05/03/24 12:34	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:35	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:35	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:35	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:35	
SM 2540 C	**Total Diss. Solids**	7180	mg/L	40			X418215	TJL	05/03/24 14:10	D2
SM 2540 D	**Total Susp. Solids**	21.0	mg/L	5.0			X418216	TJL	05/03/24 15:50	
SM 4500 H B	**pH @17.8°C**	2.7	pH Units				X418228	MWD	05/02/24 11:35	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **Seep-2**
SVL Sample ID: **X4E0009-02 (Ground Water)**

Sampled: 30-Apr-24 12:10
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 1.00	mg/L	1.00	0.11	5	X418197	RS	05/01/24 18:25	D1
EPA 300.0	**Fluoride**	72.1	mg/L	10.0	1.70	100	X418197	RS	05/01/24 18:43	D2
EPA 300.0	**Nitrate as N**	0.562	mg/L	0.250	0.065	5	X418197	RS	05/01/24 18:25	D1
EPA 300.0	**Nitrate+Nitrite as N**	0.585	mg/L	0.500	0.220	5	X418197	RS	05/01/24 18:25	D1
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X418197	RS	05/01/24 18:25	D1
EPA 300.0	**Sulfate as SO4**	4660	mg/L	30.0	18.0	100	X418197	RS	05/01/24 18:43	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 98.7 meq/L Anion Sum: 101 meq/L C/A Balance: -1.11 % Calculated TDS: 4926 TDS/cTDS: 1.46

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **EMP-16**
SVL Sample ID: **X4E0009-03 (Ground Water)**

Sampled: 30-Apr-24 10:00
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	60.1	mg/L	0.100	0.069		X419018	SMU	05/07/24 13:44	
EPA 200.7	**Magnesium**	16.8	mg/L	0.500	0.090		X419018	SMU	05/07/24 13:44	
EPA 200.7	**Potassium**	2.66	mg/L	0.50	0.18		X419018	SMU	05/07/24 13:44	
SM 2340 B	**Hardness (as CaCO3)**	221	mg/L	2.31	0.543		N/A		05/07/24 13:44	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	9.64	mg/L	0.080	0.054		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Barium**	0.0487	mg/L	0.0020	0.0019		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Beryllium**	0.00281	mg/L	0.00200	0.00080		X418256	NMS	05/08/24 11:04	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Cadmium**	0.0264	mg/L	0.0020	0.0016		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Calcium**	60.9	mg/L	0.100	0.069		X418256	NMS	05/08/24 11:04	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Cobalt**	0.112	mg/L	0.0060	0.0046		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Copper**	0.0881	mg/L	0.0100	0.0027		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Iron**	0.834	mg/L	0.100	0.056		X418256	NMS	05/08/24 11:04	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X418256	NMS	05/08/24 11:04	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Magnesium**	17.3	mg/L	0.500	0.090		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Manganese**	5.95	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 11:04	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Nickel**	0.0853	mg/L	0.0100	0.0048		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Potassium**	2.76	mg/L	0.50	0.18		X418256	NMS	05/08/24 11:04	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Sodium**	3.29	mg/L	0.50	0.12		X418256	NMS	05/08/24 11:04	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 11:04	
EPA 200.7	**Zinc**	1.51	mg/L	0.0100	0.0054		X418256	NMS	05/08/24 11:04	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X418295	SMU	05/10/24 17:07	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X418295	SMU	05/10/24 17:07	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X418295	SMU	05/10/24 17:07	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X418295	SMU	05/10/24 17:07	
EPA 200.8	**Uranium**	0.0170	mg/L	0.000100	0.000052		X418295	SMU	05/10/24 17:07	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X419148	MAC	05/14/24 13:06	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X418274	DD	05/07/24 11:32	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X419004	DD	05/07/24 09:31	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X418240	DD	05/03/24 09:19	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X418219	DD	05/02/24 11:26	
SM 2310 B	**Acidity to pH 8.3**	44.4	mg/L as CaCO3	10.0			X418258	MWD	05/03/24 12:34	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:40	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:40	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:40	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:40	
SM 2540 C	**Total Diss. Solids**	489	mg/L	10			X418215	TJL	05/03/24 14:10	
SM 2540 D	**Total Susp. Solids**	8.0	mg/L	5.0			X418216	TJL	05/03/24 15:50	
SM 4500 H B	**pH @17.7°C**	4.2	pH Units				X418228	MWD	05/02/24 11:40	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **EMP-16**
SVL Sample ID: **X4E0009-03 (Ground Water)**

Sampled: 30-Apr-24 10:00
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.58	mg/L	0.20	0.02		X418197	RS	05/01/24 19:01	
EPA 300.0	**Fluoride**	1.95	mg/L	0.100	0.017		X418197	RS	05/01/24 19:01	
EPA 300.0	**Nitrate as N**	0.339	mg/L	0.050	0.013		X418197	RS	05/01/24 19:01	
EPA 300.0	**Nitrate+Nitrite as N**	0.380	mg/L	0.100	0.044		X418197	RS	05/01/24 19:01	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X418197	RS	05/01/24 19:01	
EPA 300.0	**Sulfate as SO4**	272	mg/L	3.00	1.80	10	X418197	RS	05/01/24 19:20	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 5.97 meq/L Anion Sum: 5.91 meq/L C/A Balance: 0.44 % Calculated TDS: 363 TDS/cTDS: 1.35

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **EMP-17**
SVL Sample ID: **X4E0009-04 (Ground Water)**

Sampled: 30-Apr-24 10:50
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	42.9	mg/L	0.100	0.069		X419018	SMU	05/07/24 13:48	
EPA 200.7	**Magnesium**	18.5	mg/L	0.500	0.090		X419018	SMU	05/07/24 13:48	
EPA 200.7	**Potassium**	2.75	mg/L	0.50	0.18		X419018	SMU	05/07/24 13:48	
SM 2340 B	**Hardness (as CaCO3)**	186	mg/L	2.31	0.543		N/A		05/07/24 13:48	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.089	mg/L	0.080	0.054		X418256	NMS	05/08/24 11:08	
EPA 200.7	**Barium**	0.0351	mg/L	0.0020	0.0019		X418256	NMS	05/08/24 11:08	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X418256	NMS	05/08/24 11:08	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X418256	NMS	05/08/24 11:08	
EPA 200.7	**Cadmium**	0.0045	mg/L	0.0020	0.0016		X418256	NMS	05/08/24 11:08	
EPA 200.7	**Calcium**	43.3	mg/L	0.100	0.069		X418256	NMS	05/08/24 11:08	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X418256	NMS	05/08/24 11:08	
EPA 200.7	**Cobalt**	0.0093	mg/L	0.0060	0.0046		X418256	NMS	05/08/24 11:08	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X418256	NMS	05/08/24 11:08	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X418256	NMS	05/08/24 11:08	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X418256	NMS	05/08/24 11:08	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X418256	NMS	05/08/24 11:08	
EPA 200.7	**Magnesium**	18.9	mg/L	0.500	0.090		X418256	NMS	05/08/24 11:08	
EPA 200.7	**Manganese**	1.58	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 11:08	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 11:08	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X418256	NMS	05/08/24 11:08	
EPA 200.7	**Potassium**	2.71	mg/L	0.50	0.18		X418256	NMS	05/08/24 11:08	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 11:08	
EPA 200.7	**Sodium**	13.1	mg/L	0.50	0.12		X418256	NMS	05/08/24 11:08	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 11:08	
EPA 200.7	**Zinc**	0.169	mg/L	0.0100	0.0054		X418256	NMS	05/08/24 11:08	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X418295	SMU	05/10/24 17:10	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X418295	SMU	05/10/24 17:10	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X418295	SMU	05/10/24 17:10	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X418295	SMU	05/10/24 17:10	
EPA 200.8	**Uranium**	0.000940	mg/L	0.000100	0.000052		X418295	SMU	05/10/24 17:10	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X419148	MAC	05/14/24 13:08	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X418274	DD	05/07/24 11:34	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X419004	DD	05/07/24 09:34	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X418240	DD	05/03/24 09:21	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X418219	DD	05/02/24 11:28	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X418258	MWD	05/03/24 12:34	
SM 2320 B	**Total Alkalinity**	5.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 14:01	
SM 2320 B	**Bicarbonate**	5.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 14:01	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 14:01	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 14:01	
SM 2540 C	**Total Diss. Solids**	293	mg/L	10			X418215	TJL	05/03/24 14:10	
SM 2540 D	**Total Susp. Solids**	6.0	mg/L	5.0			X418216	TJL	05/03/24 15:50	R2B
SM 4500 H B	**pH @18.8°C**	6.5	pH Units				X418228	MWD	05/02/24 14:01	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: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **EMP-17**
SVL Sample ID: **X4E0009-04 (Ground Water)**

Sampled: 30-Apr-24 10:50
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	2.37	mg/L	0.20	0.02		X418197	RS	05/01/24 19:38	
EPA 300.0	**Fluoride**	1.07	mg/L	0.100	0.017		X418197	RS	05/01/24 19:38	
EPA 300.0	**Nitrate as N**	0.058	mg/L	0.050	0.013		X418197	RS	05/01/24 19:38	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X418197	RS	05/01/24 19:38	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X418197	RS	05/01/24 19:38	
EPA 300.0	**Sulfate as SO4**	210	mg/L	3.00	1.80	10	X418197	RS	05/01/24 19:57	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.38 meq/L Anion Sum: 4.60 meq/L C/A Balance: -2.41 % Calculated TDS: 294 TDS/cTDS: 1.00

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **EMP-17A**
SVL Sample ID: **X4E0009-05 (Ground Water)**

Sampled: 30-Apr-24 11:20
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	20.6	mg/L	0.100	0.069		X419018	SMU	05/07/24 13:52	
EPA 200.7	**Magnesium**	3.77	mg/L	0.500	0.090		X419018	SMU	05/07/24 13:52	
EPA 200.7	**Potassium**	3.04	mg/L	0.50	0.18		X419018	SMU	05/07/24 13:52	
SM 2340 B	**Hardness (as CaCO3)**	67.3	mg/L	2.31	0.543		N/A		05/07/24 13:52	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	1.02	mg/L	0.080	0.054		X418256	NMS	05/08/24 11:12	
EPA 200.7	**Barium**	0.0484	mg/L	0.0020	0.0019		X418256	NMS	05/08/24 11:12	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X418256	NMS	05/08/24 11:12	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X418256	NMS	05/08/24 11:12	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X418256	NMS	05/08/24 11:12	
EPA 200.7	**Calcium**	20.4	mg/L	0.100	0.069		X418256	NMS	05/08/24 11:12	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X418256	NMS	05/08/24 11:12	
EPA 200.7	**Cobalt**	0.0100	mg/L	0.0060	0.0046		X418256	NMS	05/08/24 11:12	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X418256	NMS	05/08/24 11:12	
EPA 200.7	**Iron**	0.274	mg/L	0.100	0.056		X418256	NMS	05/08/24 11:12	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X418256	NMS	05/08/24 11:12	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X418256	NMS	05/08/24 11:12	
EPA 200.7	**Magnesium**	3.86	mg/L	0.500	0.090		X418256	NMS	05/08/24 11:12	
EPA 200.7	**Manganese**	2.06	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 11:12	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 11:12	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X418256	NMS	05/08/24 11:12	
EPA 200.7	**Potassium**	2.95	mg/L	0.50	0.18		X418256	NMS	05/08/24 11:12	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 11:12	
EPA 200.7	**Sodium**	1.28	mg/L	0.50	0.12		X418256	NMS	05/08/24 11:12	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 11:12	
EPA 200.7	**Zinc**	0.117	mg/L	0.0100	0.0054		X418256	NMS	05/08/24 11:12	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X418295	SMU	05/10/24 17:12	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X418295	SMU	05/10/24 17:12	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X418295	SMU	05/10/24 17:12	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X418295	SMU	05/10/24 17:12	
EPA 200.8	**Uranium**	0.000165	mg/L	0.000100	0.000052		X418295	SMU	05/10/24 17:12	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X419148	MAC	05/14/24 13:11	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X418274	DD	05/07/24 11:36	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X419004	DD	05/07/24 09:47	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X418240	DD	05/03/24 09:23	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X418219	DD	05/02/24 13:40	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X418258	MWD	05/03/24 12:34	
SM 2320 B	**Total Alkalinity**	1.9	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 14:06	
SM 2320 B	**Bicarbonate**	1.9	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 14:06	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 14:06	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 14:06	
SM 2540 C	**Total Diss. Solids**	114	mg/L	10			X418215	TJL	05/03/24 14:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X418216	TJL	05/03/24 15:50	
SM 4500 H B	**pH @18.8°C**	5.8	pH Units				X418228	MWD	05/02/24 14:06	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **EMP-17A**
SVL Sample ID: **X4E0009-05 (Ground Water)**

Sampled: 30-Apr-24 11:20
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.29	mg/L	0.20	0.02		X418197	RS	05/01/24 16:16	
EPA 300.0	**Fluoride**	1.57	mg/L	0.100	0.017		X418197	RS	05/01/24 16:16	
EPA 300.0	**Nitrate as N**	0.076	mg/L	0.050	0.013		X418197	RS	05/01/24 16:16	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X418197	RS	05/01/24 16:16	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X418197	RS	05/01/24 16:16	
EPA 300.0	**Sulfate as SO4**	77.7	mg/L	3.00	1.80	10	X418197	RS	05/02/24 11:41	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.67 meq/L Anion Sum: 1.78 meq/L C/A Balance: -3.23 % Calculated TDS: 110 TDS/cTDS: 1.03

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **EMP-17B**
SVL Sample ID: **X4E0009-06 (Ground Water)**

Sampled: 30-Apr-24 11:45
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	101	mg/L	0.100	0.069		X419018	SMU	05/07/24 14:05	
EPA 200.7	**Magnesium**	38.7	mg/L	0.500	0.090		X419018	SMU	05/07/24 14:05	
EPA 200.7	**Potassium**	3.28	mg/L	0.50	0.18		X419018	SMU	05/07/24 14:05	
SM 2340 B	**Hardness (as CaCO3)**	404	mg/L	2.31	0.543		N/A		05/07/24 14:05	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	16.9	mg/L	0.080	0.054		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Barium**	0.0323	mg/L	0.0020	0.0019		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Beryllium**	0.00264	mg/L	0.00200	0.00080		X418256	NMS	05/08/24 11:23	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Cadmium**	0.0910	mg/L	0.0020	0.0016		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Calcium**	101	mg/L	0.100	0.069		X418256	NMS	05/08/24 11:23	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Cobalt**	0.0613	mg/L	0.0060	0.0046		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Copper**	0.0850	mg/L	0.0100	0.0027		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Iron**	0.911	mg/L	0.100	0.056		X418256	NMS	05/08/24 11:23	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X418256	NMS	05/08/24 11:23	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Magnesium**	36.8	mg/L	0.500	0.090		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Manganese**	13.0	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 11:23	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Nickel**	0.0590	mg/L	0.0100	0.0048		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Potassium**	3.15	mg/L	0.50	0.18		X418256	NMS	05/08/24 11:23	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Sodium**	13.9	mg/L	0.50	0.12		X418256	NMS	05/08/24 11:23	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X418256	NMS	05/08/24 11:23	
EPA 200.7	**Zinc**	5.43	mg/L	0.0100	0.0054		X418256	NMS	05/08/24 11:23	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X418295	SMU	05/10/24 17:15	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X418295	SMU	05/10/24 17:15	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X418295	SMU	05/10/24 17:15	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X418295	SMU	05/10/24 17:15	
EPA 200.8	**Uranium**	0.0432	mg/L	0.000100	0.000052		X418295	SMU	05/10/24 17:15	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X419148	MAC	05/14/24 13:13	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X418274	DD	05/07/24 11:38	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X419004	DD	05/07/24 09:50	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X418240	DD	05/03/24 09:25	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X418219	DD	05/02/24 13:38	
SM 2310 B	**Acidity to pH 8.3**	76.0	mg/L as CaCO3	10.0			X418258	MWD	05/03/24 12:34	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:53	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:53	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X418228	MWD	05/02/24 11:53	
SM 2540 C	**Total Diss. Solids**	773	mg/L	10			X418215	TJL	05/03/24 14:10	
SM 2540 D	**Total Susp. Solids**	15.0	mg/L	5.0			X418216	TJL	05/03/24 15:50	
SM 4500 H B	**pH @18.0°C**	4.4	pH Units				X418228	MWD	05/02/24 11:53	H5

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Newmont - Cripple Creek & Victor
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Client Sample ID: **EMP-17B**
SVL Sample ID: **X4E0009-06 (Ground Water)**

Sampled: 30-Apr-24 11:45
Received: 01-May-24
Sampled By: BD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.77	mg/L	0.20	0.02		X418197	RS	05/01/24 20:52	
EPA 300.0	**Fluoride**	9.21	mg/L	2.50	0.425	25	X418197	RS	05/01/24 21:10	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X418197	RS	05/01/24 20:52	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X418197	RS	05/01/24 20:52	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X418197	RS	05/01/24 20:52	
EPA 300.0	**Sulfate as SO4**	557	mg/L	7.50	4.50	25	X418197	RS	05/01/24 21:10	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 11.3 meq/L Anion Sum: 12.2 meq/L C/A Balance: -3.58 % Calculated TDS: 724 TDS/cTDS: 1.07

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

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	X419018	07-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X419018	07-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X419018	07-May-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X418256	08-May-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X418256	08-May-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X418256	08-May-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X418256	08-May-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X418256	08-May-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X418256	08-May-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X418256	08-May-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X418256	08-May-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X418256	08-May-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X418256	08-May-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X418256	08-May-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X418256	08-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X418256	08-May-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X418256	08-May-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X418256	08-May-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X418256	08-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X418256	08-May-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X418256	08-May-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X418256	08-May-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X418256	08-May-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X418256	08-May-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X418295	10-May-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X418295	10-May-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X418295	10-May-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X418295	10-May-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X418295	10-May-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X419148	14-May-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X418274	06-May-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X419004	07-May-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X418240	03-May-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X418219	02-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X418258	03-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X418228	02-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X418228	02-May-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X418228	02-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X418228	02-May-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X418215	03-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X418216	03-May-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X418197	01-May-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X418197	01-May-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X418197	01-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X418197	01-May-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X418197	01-May-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X418197	01-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.6	20.0	98	85 - 115	X419018	07-May-24	
EPA 200.7	Magnesium	mg/L	20.2	20.0	101	85 - 115	X419018	07-May-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	97.8	85 - 115	X419018	07-May-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.971	1.00	97.1	85 - 115	X418256	08-May-24	
EPA 200.7	Barium	mg/L	0.970	1.00	97.0	85 - 115	X418256	08-May-24	
EPA 200.7	Beryllium	mg/L	0.976	1.00	97.6	85 - 115	X418256	08-May-24	
EPA 200.7	Boron	mg/L	0.976	1.00	97.6	85 - 115	X418256	08-May-24	
EPA 200.7	Cadmium	mg/L	0.956	1.00	95.6	85 - 115	X418256	08-May-24	
EPA 200.7	Calcium	mg/L	19.2	20.0	96.2	85 - 115	X418256	08-May-24	
EPA 200.7	Chromium	mg/L	0.966	1.00	96.6	85 - 115	X418256	08-May-24	
EPA 200.7	Cobalt	mg/L	0.940	1.00	94.0	85 - 115	X418256	08-May-24	
EPA 200.7	Copper	mg/L	0.949	1.00	94.9	85 - 115	X418256	08-May-24	
EPA 200.7	Iron	mg/L	10.0	10.0	100	85 - 115	X418256	08-May-24	
EPA 200.7	Lead	mg/L	0.950	1.00	95.0	85 - 115	X418256	08-May-24	
EPA 200.7	Lithium	mg/L	0.948	1.00	94.8	85 - 115	X418256	08-May-24	
EPA 200.7	Magnesium	mg/L	19.1	20.0	95.6	85 - 115	X418256	08-May-24	
EPA 200.7	Manganese	mg/L	0.958	1.00	95.8	85 - 115	X418256	08-May-24	
EPA 200.7	Molybdenum	mg/L	0.967	1.00	96.7	85 - 115	X418256	08-May-24	
EPA 200.7	Nickel	mg/L	0.928	1.00	92.8	85 - 115	X418256	08-May-24	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.5	85 - 115	X418256	08-May-24	
EPA 200.7	Silver	mg/L	0.0505	0.0500	101	85 - 115	X418256	08-May-24	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.4	85 - 115	X418256	08-May-24	
EPA 200.7	Vanadium	mg/L	0.967	1.00	96.7	85 - 115	X418256	08-May-24	
EPA 200.7	Zinc	mg/L	0.952	1.00	95.2	85 - 115	X418256	08-May-24	
EPA 200.8	Antimony	mg/L	0.0239	0.0250	95.4	85 - 115	X418295	10-May-24	
EPA 200.8	Arsenic	mg/L	0.0236	0.0250	94.4	85 - 115	X418295	10-May-24	
EPA 200.8	Selenium	mg/L	0.0235	0.0250	94.1	85 - 115	X418295	10-May-24	
EPA 200.8	Thallium	mg/L	0.0238	0.0250	95.4	85 - 115	X418295	10-May-24	
EPA 200.8	Uranium	mg/L	0.0240	0.0250	96.1	85 - 115	X418295	10-May-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00205	0.00200	103	85 - 115	X419148	14-May-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.104	0.100	104	90 - 110	X418274	06-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X419004	07-May-24	
EPA 350.1	Ammonia as N	mg/L	1.02	1.00	102	90 - 110	X418240	03-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.110	0.100	110	90 - 110	X418219	02-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	897	884	102	95.4 - 104	X418258	03-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	96.4 - 105	X418228	02-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X418228	02-May-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X418216	03-May-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X418197	01-May-24	
EPA 300.0	Fluoride	mg/L	1.97	2.00	98.7	90 - 110	X418197	01-May-24	
EPA 300.0	Nitrate as N	mg/L	2.02	2.00	101	90 - 110	X418197	01-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.53	4.50	101	90 - 110	X418197	01-May-24	
EPA 300.0	Nitrite as N	mg/L	2.51	2.50	101	90 - 110	X418197	01-May-24	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.0	105	90 - 110	X418197	01-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

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	X418258 - X4E0006-01	03-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	30.3	31.1	2.6	20	X418228 - X4E0006-02	02-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	30.3	31.1	2.6	20	X418228 - X4E0006-02	02-May-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X418228 - X4E0006-02	02-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X418228 - X4E0006-02	02-May-24	
SM 2540 C	Total Diss. Solids	mg/L	195	180	8.0	10	X418215 - X4E0006-04	03-May-24	
SM 2540 C	Total Diss. Solids	mg/L	298	293	1.7	10	X418215 - X4E0009-04	03-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X418216 - X4E0006-04	03-May-24	
SM 2540 D	Total Susp. Solids	mg/L	7.0	6.0	15.4	10	X418216 - X4E0009-04	03-May-24	D1,R2B
SM 4500 H B	pH @16.6°C	pH Units	6.7	6.7	1.2	20	X418228 - X4E0006-02	02-May-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	27.3	7.33	20.0	100	70 - 130	X419018 - X4E0077-03	07-May-24	
EPA 200.7	Calcium	mg/L	132	112	20.0	101	70 - 130	X419018 - X4E0009-02	07-May-24	D1
EPA 200.7	Magnesium	mg/L	21.0	0.546	20.0	102	70 - 130	X419018 - X4E0077-03	07-May-24	
EPA 200.7	Magnesium	mg/L	99.1	77.5	20.0	108	70 - 130	X419018 - X4E0009-02	07-May-24	D1
EPA 200.7	Potassium	mg/L	20.1	<0.50	20.0	99.1	70 - 130	X419018 - X4E0077-03	07-May-24	
EPA 200.7	Potassium	mg/L	18.5	<5.00	20.0	92.7	70 - 130	X419018 - X4E0009-02	07-May-24	D1
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.923	<0.080	1.00	92.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Aluminum	mg/L	5.31	4.38	1.00	93.8	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Barium	mg/L	0.996	0.0419	1.00	95.4	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Barium	mg/L	0.973	0.0075	1.00	96.5	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Beryllium	mg/L	0.963	<0.00200	1.00	96.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Beryllium	mg/L	0.953	<0.00200	1.00	95.3	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Boron	mg/L	1.01	<0.0400	1.00	97.2	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Boron	mg/L	0.968	<0.0400	1.00	96.8	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Cadmium	mg/L	0.909	<0.0020	1.00	90.9	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Cadmium	mg/L	0.954	0.0393	1.00	91.4	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Calcium	mg/L	97.6	77.9	20.0	98.4	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Calcium	mg/L	196	178	20.0	88.3	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Chromium	mg/L	0.919	<0.0060	1.00	91.9	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Chromium	mg/L	0.942	0.0060	1.00	93.6	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Cobalt	mg/L	0.892	<0.0060	1.00	89.2	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Cobalt	mg/L	0.954	0.0335	1.00	92.1	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Copper	mg/L	0.921	<0.0100	1.00	92.1	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Copper	mg/L	1.24	0.306	1.00	93.5	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Iron	mg/L	31.5	21.3	10.0	101	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Lead	mg/L	0.905	<0.0075	1.00	90.5	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Lead	mg/L	0.914	<0.0075	1.00	91.4	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Lithium	mg/L	0.913	<0.040	1.00	91.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Lithium	mg/L	0.921	<0.040	1.00	92.1	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Magnesium	mg/L	32.5	13.4	20.0	95.6	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Magnesium	mg/L	23.5	4.32	20.0	95.9	70 - 130	X418256 - X4E0026-04	08-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

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	0.924	0.0112	1.00	91.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Manganese	mg/L	3.47	2.58	1.00	89.3	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Molybdenum	mg/L	0.913	<0.0080	1.00	91.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Molybdenum	mg/L	0.926	<0.0080	1.00	92.6	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Nickel	mg/L	0.889	<0.0100	1.00	88.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Nickel	mg/L	1.15	0.235	1.00	91.6	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Potassium	mg/L	25.3	5.72	20.0	98.1	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Potassium	mg/L	19.9	<0.50	20.0	99.4	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Silver	mg/L	0.0459	<0.0050	0.0500	91.9	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Silver	mg/L	0.0492	<0.0050	0.0500	98.3	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Sodium	mg/L	53.1	35.0	19.0	95.5	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Sodium	mg/L	19.7	0.71	19.0	100	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Vanadium	mg/L	0.942	0.0091	1.00	93.3	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Vanadium	mg/L	0.946	<0.0050	1.00	94.6	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.7	Zinc	mg/L	0.928	<0.0100	1.00	92.2	70 - 130	X418256 - X4D0451-05	08-May-24	
EPA 200.7	Zinc	mg/L	3.53	2.69	1.00	84.4	70 - 130	X418256 - X4E0026-04	08-May-24	
EPA 200.8	Antimony	mg/L	0.0252	<0.00100	0.0250	96.9	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Antimony	mg/L	0.0251	<0.00100	0.0250	101	70 - 130	X418295 - X4E0017-01	10-May-24	
EPA 200.8	Arsenic	mg/L	0.0243	<0.00100	0.0250	97.2	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Arsenic	mg/L	0.0189	0.00131	0.0250	70.3	70 - 130	X418295 - X4E0017-01	10-May-24	
EPA 200.8	Selenium	mg/L	0.0254	<0.00100	0.0250	99.0	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Selenium	mg/L	0.0187	0.00149	0.0250	68.8	70 - 130	X418295 - X4E0017-01	10-May-24	M2
EPA 200.8	Thallium	mg/L	0.0229	<0.000200	0.0250	91.7	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Thallium	mg/L	0.0218	<0.000200	0.0250	87.4	70 - 130	X418295 - X4E0017-01	10-May-24	
EPA 200.8	Uranium	mg/L	0.0239	0.000442	0.0250	93.7	70 - 130	X418295 - X4D0517-01	10-May-24	
EPA 200.8	Uranium	mg/L	0.0380	0.0151	0.0250	91.8	70 - 130	X418295 - X4E0017-01	10-May-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00217	<0.000200	0.00200	108	70 - 130	X419148 - X4E0006-01	14-May-24	
EPA 245.1	Mercury	mg/L	0.0119	0.00973	0.00200	107	70 - 130	X419148 - X4E0041-02	14-May-24	D2
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	<0.0050	0.100	102	79 - 121	X418274 - X4D0346-12	06-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X419004 - X4D0500-01	07-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X419004 - X4E0006-01	07-May-24	
EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X418240 - X4D0500-01	03-May-24	
EPA 350.1	Ammonia as N	mg/L	1.09	<0.030	1.00	109	90 - 110	X418240 - X4E0006-01	03-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.112	<0.0050	0.100	110	82 - 118	X418219 - X4D0500-01	02-May-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.66	5.44	3.00	107	90 - 110	X418197 - X4E0006-03	01-May-24	
EPA 300.0	Chloride	mg/L	3.27	0.23	3.00	102	90 - 110	X418197 - X4E0013-01	01-May-24	
EPA 300.0	Fluoride	mg/L	4.93	2.86	2.00	103	90 - 110	X418197 - X4E0006-03	01-May-24	
EPA 300.0	Fluoride	mg/L	2.02	<0.100	2.00	99.3	90 - 110	X418197 - X4E0013-01	01-May-24	
EPA 300.0	Nitrate as N	mg/L	2.21	0.190	2.00	101	90 - 110	X418197 - X4E0006-03	01-May-24	
EPA 300.0	Nitrate as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X418197 - X4E0013-01	01-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.25	0.190	4.00	101	90 - 110	X418197 - X4E0006-03	01-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.07	<0.100	4.00	102	90 - 110	X418197 - X4E0013-01	01-May-24	
EPA 300.0	Nitrite as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X418197 - X4E0006-03	01-May-24	
EPA 300.0	Nitrite as N	mg/L	2.05	<0.050	2.00	102	90 - 110	X418197 - X4E0013-01	01-May-24	
EPA 300.0	Sulfate as SO4	mg/L	36.9	26.9	10.0	100	90 - 110	X418197 - X4E0006-03	01-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

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	12.1	1.57	10.0	105	90 - 110	X418197 - X4E0013-01	01-May-24	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	132	132	20.0	0.2	20	102	X419018 - X4E0009-02	D1
EPA 200.7	Magnesium	mg/L	97.8	99.1	20.0	1.3	20	101	X419018 - X4E0009-02	D1
EPA 200.7	Potassium	mg/L	18.5	18.5	20.0	0.5	20	92.3	X419018 - X4E0009-02	D1
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.903	0.923	1.00	2.2	20	90.3	X418256 - X4D0451-05	
EPA 200.7	Barium	mg/L	0.969	0.996	1.00	2.8	20	92.7	X418256 - X4D0451-05	
EPA 200.7	Beryllium	mg/L	0.946	0.963	1.00	1.8	20	94.6	X418256 - X4D0451-05	
EPA 200.7	Boron	mg/L	0.992	1.01	1.00	1.8	20	95.4	X418256 - X4D0451-05	
EPA 200.7	Cadmium	mg/L	0.883	0.909	1.00	2.9	20	88.3	X418256 - X4D0451-05	
EPA 200.7	Calcium	mg/L	96.8	97.6	20.0	0.8	20	94.5	X418256 - X4D0451-05	
EPA 200.7	Chromium	mg/L	0.890	0.919	1.00	3.2	20	89.0	X418256 - X4D0451-05	
EPA 200.7	Cobalt	mg/L	0.860	0.892	1.00	3.7	20	86.0	X418256 - X4D0451-05	
EPA 200.7	Copper	mg/L	0.899	0.921	1.00	2.5	20	89.9	X418256 - X4D0451-05	
EPA 200.7	Iron	mg/L	9.91	10.2	10.0	2.7	20	99.1	X418256 - X4D0451-05	
EPA 200.7	Lead	mg/L	0.870	0.905	1.00	3.9	20	87.0	X418256 - X4D0451-05	
EPA 200.7	Lithium	mg/L	0.884	0.913	1.00	3.3	20	88.4	X418256 - X4D0451-05	
EPA 200.7	Magnesium	mg/L	31.4	32.5	20.0	3.5	20	90.0	X418256 - X4D0451-05	
EPA 200.7	Manganese	mg/L	0.898	0.924	1.00	2.9	20	88.7	X418256 - X4D0451-05	
EPA 200.7	Molybdenum	mg/L	0.888	0.913	1.00	2.8	20	88.8	X418256 - X4D0451-05	
EPA 200.7	Nickel	mg/L	0.857	0.889	1.00	3.7	20	85.1	X418256 - X4D0451-05	
EPA 200.7	Potassium	mg/L	24.8	25.3	20.0	2.1	20	95.4	X418256 - X4D0451-05	
EPA 200.7	Silver	mg/L	0.0443	0.0459	0.0500	3.6	20	88.6	X418256 - X4D0451-05	
EPA 200.7	Sodium	mg/L	52.6	53.1	19.0	0.9	20	92.9	X418256 - X4D0451-05	
EPA 200.7	Vanadium	mg/L	0.917	0.942	1.00	2.6	20	90.8	X418256 - X4D0451-05	
EPA 200.7	Zinc	mg/L	0.895	0.928	1.00	3.6	20	89.0	X418256 - X4D0451-05	
EPA 200.8	Antimony	mg/L	0.0251	0.0252	0.0250	0.2	20	96.7	X418295 - X4D0517-01	
EPA 200.8	Arsenic	mg/L	0.0241	0.0243	0.0250	0.7	20	96.5	X418295 - X4D0517-01	
EPA 200.8	Selenium	mg/L	0.0255	0.0254	0.0250	0.4	20	99.4	X418295 - X4D0517-01	
EPA 200.8	Thallium	mg/L	0.0229	0.0229	0.0250	0.2	20	91.5	X418295 - X4D0517-01	
EPA 200.8	Uranium	mg/L	0.0238	0.0239	0.0250	0.2	20	93.5	X418295 - X4D0517-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00216	0.00217	0.00200	0.3	20	108	X419148 - X4E0006-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	0.102	0.100	2.0	11	100	X418274 - X4D0346-12	
EPA 335.4	Cyanide (total)	mg/L	0.0990	0.101	0.100	1.6	20	99.0	X419004 - X4D0500-01	
EPA 350.1	Ammonia as N	mg/L	1.05	1.01	1.00	3.6	20	105	X418240 - X4D0500-01	
OIA 1677	Cyanide (WAD)	mg/L	0.107	0.112	0.100	4.6	11	105	X418219 - X4D0500-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.31	3.27	3.00	1.2	20	103	X418197 - X4E0013-01	
EPA 300.0	Fluoride	mg/L	2.02	2.02	2.00	0.1	20	99.4	X418197 - X4E0013-01	
EPA 300.0	Nitrate as N	mg/L	2.04	2.02	2.00	1.3	20	102	X418197 - X4E0013-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.11	4.07	4.00	1.0	20	103	X418197 - X4E0013-01	
EPA 300.0	Nitrite as N	mg/L	2.06	2.05	2.00	0.7	20	103	X418197 - X4E0013-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0009**
Reported: 15-May-24 13:50

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	12.1	12.1	10.0	0.1	20	105	X418197 - X4E0013-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4E0009**
Victor, CO 80860	Reported: 15-May-24 13:50

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
E11	Sample exceeds method-specified limit for solids content.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
Q12	Sample was received and analyzed with pH <12.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
Q5C	After two pH adjustments, the method-specified pH was not achieved.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **RB-0403**
SVL Sample ID: **X4D0086-01 (Ground Water)**

Sampled: 03-Apr-24 09:20
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	0.250	mg/L	0.100	0.069		X416077	NMS	04/19/24 11:20	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X416077	NMS	04/19/24 11:20	
EPA 200.7	**Potassium**	88.3	mg/L	0.50	0.18		X416077	NMS	04/19/24 11:20	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		04/19/24 11:20	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 11:52	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 11:52	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 11:52	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 11:52	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 11:52	
EPA 200.7	**Calcium**	0.155	mg/L	0.100	0.069		X415016	NMS	04/09/24 11:52	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 11:52	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 11:52	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 11:52	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 11:52	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 11:52	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 11:52	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X415016	NMS	04/09/24 11:52	
EPA 200.7	**Manganese**	0.0115	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 11:52	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 11:52	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 11:52	
EPA 200.7	**Potassium**	16.9	mg/L	0.50	0.18		X415016	NMS	04/09/24 11:52	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 11:52	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X415016	NMS	04/09/24 11:52	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 11:52	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 11:52	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:08	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:08	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:08	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:08	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:08	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:20	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:00	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:21	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:33	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:23	H1
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:39	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:39	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:39	
SM 2540 C	**Total Diss. Solids**	47	mg/L	10			X414198	TJL	04/08/24 14:45	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X414200	TJL	04/08/24 15:55	
SM 4500 H B	**pH @17.8°C**	5.9	pH Units				X414208	MWD	04/08/24 16:39	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **RB-0403**
SVL Sample ID: **X4D0086-01 (Ground Water)**

Sampled: 03-Apr-24 09:20
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	14.3	mg/L	2.00	0.22	10	X414183	KAG	04/05/24 12:46	D2
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X414183	KAG	04/04/24 23:12	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X414183	KAG	04/04/24 23:12	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X414183	KAG	04/04/24 23:12	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414183	KAG	04/04/24 23:12	
EPA 300.0	**Sulfate as SO4**	0.58	mg/L	0.30	0.18		X414183	KAG	04/04/24 23:12	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 0.47 meq/L Anion Sum: 0.44 meq/L C/A Balance: 2.90 % Calculated TDS: 68 TDS/cTDS: 0.69

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-126G**
SVL Sample ID: **X4D0086-04 (Ground Water)**

Sampled: 03-Apr-24 10:59
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	9.91	mg/L	0.100	0.069		X416077	NMS	04/19/24 11:31	
EPA 200.7	**Magnesium**	2.02	mg/L	0.500	0.090		X416077	NMS	04/19/24 11:31	
EPA 200.7	**Potassium**	0.67	mg/L	0.50	0.18		X416077	NMS	04/19/24 11:31	
SM 2340 B	**Hardness (as CaCO3)**	33.0	mg/L	2.31	0.543		N/A		04/09/24 12:02	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 12:02	
EPA 200.7	**Barium**	0.117	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 12:02	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 12:02	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 12:02	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 12:02	
EPA 200.7	**Calcium**	11.5	mg/L	0.100	0.069		X415016	NMS	04/09/24 12:02	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 12:02	
EPA 200.7	**Cobalt**	0.0071	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 12:02	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 12:02	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 12:02	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 12:02	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 12:02	
EPA 200.7	**Magnesium**	2.41	mg/L	0.500	0.090		X415016	NMS	04/09/24 12:02	
EPA 200.7	**Manganese**	0.0109	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:02	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 12:02	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 12:02	
EPA 200.7	**Potassium**	0.78	mg/L	0.50	0.18		X415016	NMS	04/09/24 12:02	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:02	
EPA 200.7	**Sodium**	10.2	mg/L	0.50	0.12		X415016	NMS	04/09/24 12:02	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 12:02	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 12:02	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 15:21	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 15:21	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 15:21	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 15:21	
EPA 200.8	**Uranium**	0.000101	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 15:21	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:27	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:12	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:29	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 09:47	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:27	H1
SM 2310 B	**Acidity to pH 8.3**	-35.5	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	37.3	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:56	
SM 2320 B	**Bicarbonate**	37.3	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:56	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:56	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 16:56	
SM 2540 C	**Total Diss. Solids**	104	mg/L	10			X414198	TJL	04/08/24 14:45	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X414200	TJL	04/08/24 15:55	
SM 4500 H B	**pH @17.8°C**	6.6	pH Units				X414208	MWD	04/08/24 16:56	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: **X4D0086**
Reported: 02-May-24 15:02

Client Sample ID: **GVMW-126G**
SVL Sample ID: **X4D0086-04 (Ground Water)**

Sampled: 03-Apr-24 10:59
Received: 04-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.92	mg/L	0.20	0.02		X414183	KAG	04/04/24 20:48	
EPA 300.0	**Fluoride**	0.216	mg/L	0.100	0.017		X414183	KAG	04/04/24 20:48	
EPA 300.0	**Nitrate as N**	0.584	mg/L	0.050	0.013		X414183	KAG	04/04/24 20:48	
EPA 300.0	**Nitrate+Nitrite as N**	0.584	mg/L	0.100	0.044		X414183	KAG	04/04/24 20:48	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414183	KAG	04/04/24 20:48	
EPA 300.0	**Sulfate as SO4**	21.6	mg/L	0.30	0.18		X414183	KAG	04/04/24 20:48	

Cation/Anion Balance and TDS Ratios

Cation Sum: 1.14 meq/L Anion Sum: 1.30 meq/L C/A Balance: -6.80 % Calculated TDS: 73 TDS/cTDS: 1.43

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X416077	19-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416077	19-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416077	19-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X415016	09-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X415016	09-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X415016	09-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X415016	09-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X415016	09-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X415016	09-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X415016	09-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X415016	09-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X415016	09-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X415016	09-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X415016	09-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X415016	09-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X415016	09-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X415016	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X415016	09-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X415016	09-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X415016	09-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X415016	09-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X415016	09-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X415016	09-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X415016	09-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X415044	13-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X415044	13-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X415044	13-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X415044	13-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X415044	13-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X415207	15-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X415113	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X415003	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X415055	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X416129	26-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X418218	02-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X415194	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X414198	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X414200	08-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X414183	04-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X414183	04-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X414183	04-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X414183	04-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X414183	04-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X414183	04-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.7	20.0	99	85 - 115	X416077	19-Apr-24	
EPA 200.7	Magnesium	mg/L	19.9	20.0	99.7	85 - 115	X416077	19-Apr-24	
EPA 200.7	Potassium	mg/L	20.3	20.0	102	85 - 115	X416077	19-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.919	1.00	91.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Barium	mg/L	0.996	1.00	99.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Beryllium	mg/L	0.996	1.00	99.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Boron	mg/L	0.967	1.00	96.7	85 - 115	X415016	09-Apr-24	
EPA 200.7	Cadmium	mg/L	0.987	1.00	98.7	85 - 115	X415016	09-Apr-24	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Chromium	mg/L	0.985	1.00	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Cobalt	mg/L	0.979	1.00	97.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Copper	mg/L	0.980	1.00	98.0	85 - 115	X415016	09-Apr-24	
EPA 200.7	Iron	mg/L	9.83	10.0	98.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Lead	mg/L	0.976	1.00	97.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.00	1.00	100	85 - 115	X415016	09-Apr-24	
EPA 200.7	Magnesium	mg/L	19.6	20.0	98.1	85 - 115	X415016	09-Apr-24	
EPA 200.7	Manganese	mg/L	0.999	1.00	99.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.985	1.00	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Nickel	mg/L	0.971	1.00	97.1	85 - 115	X415016	09-Apr-24	
EPA 200.7	Potassium	mg/L	20.1	20.0	100	85 - 115	X415016	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0530	0.0500	106	85 - 115	X415016	09-Apr-24	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Vanadium	mg/L	0.993	1.00	99.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Zinc	mg/L	0.980	1.00	98.0	85 - 115	X415016	09-Apr-24	
EPA 200.8	Antimony	mg/L	0.0255	0.0250	102	85 - 115	X415044	13-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0234	0.0250	93.5	85 - 115	X415044	13-Apr-24	
EPA 200.8	Selenium	mg/L	0.0223	0.0250	89.3	85 - 115	X415044	13-Apr-24	
EPA 200.8	Thallium	mg/L	0.0255	0.0250	102	85 - 115	X415044	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0260	0.0250	104	85 - 115	X415044	13-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00223	0.00200	111	85 - 115	X415207	15-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	0.100	102	90 - 110	X415113	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.100	103	90 - 110	X415003	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.999	1.00	99.9	90 - 110	X415055	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X418218	02-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.110	0.100	110	90 - 110	X416129	26-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1620	1640	99.0	95.4 - 104	X415194	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.2	9.93	103	96.4 - 105	X414208	08-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X414208	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X414200	08-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.4	90 - 110	X414183	04-Apr-24	
EPA 300.0	Fluoride	mg/L	1.96	2.00	98.0	90 - 110	X414183	04-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.97	2.00	98.6	90 - 110	X414183	04-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.46	4.50	99.2	90 - 110	X414183	04-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.49	2.50	99.6	90 - 110	X414183	04-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X414183	04-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

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	X415194 - X4D0086-01	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	157	157	0.1	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	157	157	0.1	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414208 - X4D0086-02	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	183	174	5.0	10	X414198 - X4D0086-02	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	276	291	5.3	10	X414198 - X4D0095-04	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	11.0	9.5	10	X414200 - X4D0086-02	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X414200 - X4D0095-04	08-Apr-24	
SM 4500 H B	pH @18.1°C	pH Units	7.6	7.6	0.3	20	X414208 - X4D0086-02	08-Apr-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	20.3	0.250	20.0	100	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Calcium	mg/L	56.0	36.8	20.0	96	70 - 130	X416077 - X4D0124-04	19-Apr-24	
EPA 200.7	Magnesium	mg/L	20.9	<0.500	20.0	105	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Magnesium	mg/L	37.0	16.7	20.0	101	70 - 130	X416077 - X4D0124-04	19-Apr-24	
EPA 200.7	Potassium	mg/L	110	88.3	20.0	110	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Potassium	mg/L	21.3	0.91	20.0	102	70 - 130	X416077 - X4D0124-04	19-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.972	<0.080	1.00	97.2	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Aluminum	mg/L	0.976	<0.080	1.00	97.6	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Barium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Barium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Calcium	mg/L	20.9	0.155	20.0	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Calcium	mg/L	20.7	<0.100	20.0	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Cobalt	mg/L	1.03	<0.0060	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Cobalt	mg/L	1.02	<0.0060	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Lead	mg/L	1.02	<0.0075	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.03	<0.040	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Magnesium	mg/L	20.7	<0.500	20.0	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Magnesium	mg/L	20.6	<0.500	20.0	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.06	0.0115	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Manganese	mg/L	1.05	<0.0080	1.00	105	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.02	<0.0080	1.00	102	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.02	<0.0080	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Nickel	mg/L	1.03	<0.0100	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Potassium	mg/L	38.2	16.9	20.0	107	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Potassium	mg/L	21.3	<0.50	20.0	107	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0572	<0.0050	0.0500	114	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0570	<0.0050	0.0500	114	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Sodium	mg/L	19.3	<0.50	19.0	100	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Sodium	mg/L	19.3	<0.50	19.0	100	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Vanadium	mg/L	1.05	<0.0050	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Zinc	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Zinc	mg/L	1.02	<0.0100	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.8	Antimony	mg/L	0.0307	<0.00100	0.0250	123	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Antimony	mg/L	0.0332	<0.00100	0.0250	133	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Arsenic	mg/L	0.0298	<0.00100	0.0250	119	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0328	<0.00100	0.0250	131	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Selenium	mg/L	0.0307	<0.00100	0.0250	123	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Selenium	mg/L	0.0344	<0.00100	0.0250	134	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Thallium	mg/L	0.0287	<0.000200	0.0250	115	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Thallium	mg/L	0.0311	<0.000200	0.0250	124	70 - 130	X415044 - X4D0124-01	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0292	<0.000100	0.0250	117	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0353	0.00230	0.0250	132	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00234	<0.000200	0.00200	117	70 - 130	X415207 - X4D0080-01	15-Apr-24	
EPA 245.1	Mercury	mg/L	0.00218	<0.000200	0.00200	109	70 - 130	X415207 - X4D0124-03	15-Apr-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0940	<0.0050	0.100	94.0	79 - 121	X415113 - X4D0086-01	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X415003 - X4D0086-03	08-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.0976	<0.0050	0.100	97.6	90 - 110	X415003 - X4D0086-01	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X415055 - X4D0139-03	10-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X415055 - X4D0139-01	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.107	<0.0050	0.100	107	82 - 118	X418218 - X4D0086-05	02-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	<0.0050	0.100	99.0	82 - 118	X416129 - X4D0086-01	26-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.08	<0.20	3.00	97.7	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Chloride	mg/L	17.4	14.3	3.00	105	90 - 110	X414183 - X4D0086-01	05-Apr-24	D2
EPA 300.0	Fluoride	mg/L	1.95	<0.100	2.00	97.7	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Fluoride	mg/L	1.99	<0.100	2.00	97.6	90 - 110	X414183 - X4D0086-01	04-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.95	<0.050	2.00	97.7	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.95	<0.050	2.00	97.6	90 - 110	X414183 - X4D0086-01	04-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.98	<0.100	4.00	99.4	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.97	<0.100	4.00	99.3	90 - 110	X414183 - X4D0086-01	04-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X414183 - X4D0086-01	04-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	10.3	<0.30	10.0	103	90 - 110	X414183 - X4D0085-03	04-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.8	0.58	10.0	102	90 - 110	X414183 - X4D0086-01	04-Apr-24	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	20.3	20.3	20.0	0.1	20	100	X416077 - X4D0086-01	
EPA 200.7	Magnesium	mg/L	20.9	20.9	20.0	0.4	20	104	X416077 - X4D0086-01	
EPA 200.7	Potassium	mg/L	111	110	20.0	0.3	20	112	X416077 - X4D0086-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.967	0.972	1.00	0.4	20	96.7	X415016 - X4D0086-01	
EPA 200.7	Barium	mg/L	1.05	1.05	1.00	0.2	20	105	X415016 - X4D0086-01	
EPA 200.7	Beryllium	mg/L	1.04	1.04	1.00	0.0	20	104	X415016 - X4D0086-01	
EPA 200.7	Boron	mg/L	1.03	1.03	1.00	0.4	20	103	X415016 - X4D0086-01	
EPA 200.7	Cadmium	mg/L	1.05	1.05	1.00	0.1	20	105	X415016 - X4D0086-01	
EPA 200.7	Calcium	mg/L	20.7	20.9	20.0	1.0	20	103	X415016 - X4D0086-01	
EPA 200.7	Chromium	mg/L	1.04	1.04	1.00	0.2	20	104	X415016 - X4D0086-01	
EPA 200.7	Cobalt	mg/L	1.03	1.03	1.00	0.1	20	103	X415016 - X4D0086-01	
EPA 200.7	Copper	mg/L	1.05	1.04	1.00	0.7	20	105	X415016 - X4D0086-01	
EPA 200.7	Iron	mg/L	10.3	10.4	10.0	0.5	20	103	X415016 - X4D0086-01	
EPA 200.7	Lead	mg/L	1.02	1.03	1.00	0.5	20	102	X415016 - X4D0086-01	
EPA 200.7	Lithium	mg/L	1.04	1.03	1.00	0.7	20	104	X415016 - X4D0086-01	
EPA 200.7	Magnesium	mg/L	20.5	20.7	20.0	0.9	20	102	X415016 - X4D0086-01	
EPA 200.7	Manganese	mg/L	1.05	1.06	1.00	0.6	20	104	X415016 - X4D0086-01	
EPA 200.7	Molybdenum	mg/L	1.03	1.02	1.00	0.2	20	103	X415016 - X4D0086-01	
EPA 200.7	Nickel	mg/L	1.02	1.03	1.00	0.4	20	102	X415016 - X4D0086-01	
EPA 200.7	Potassium	mg/L	38.2	38.2	20.0	0.2	20	106	X415016 - X4D0086-01	
EPA 200.7	Silver	mg/L	0.0571	0.0572	0.0500	0.2	20	114	X415016 - X4D0086-01	
EPA 200.7	Sodium	mg/L	19.3	19.3	19.0	0.1	20	100	X415016 - X4D0086-01	
EPA 200.7	Vanadium	mg/L	1.04	1.05	1.00	0.6	20	104	X415016 - X4D0086-01	
EPA 200.7	Zinc	mg/L	1.04	1.04	1.00	0.3	20	104	X415016 - X4D0086-01	
EPA 200.8	Antimony	mg/L	0.0310	0.0307	0.0250	1.2	20	124	X415044 - X4D0086-01	
EPA 200.8	Arsenic	mg/L	0.0300	0.0298	0.0250	0.7	20	120	X415044 - X4D0086-01	
EPA 200.8	Selenium	mg/L	0.0314	0.0307	0.0250	2.3	20	125	X415044 - X4D0086-01	
EPA 200.8	Thallium	mg/L	0.0288	0.0287	0.0250	0.6	20	115	X415044 - X4D0086-01	
EPA 200.8	Uranium	mg/L	0.0293	0.0292	0.0250	0.2	20	117	X415044 - X4D0086-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00243	0.00234	0.00200	3.9	20	122	X415207 - X4D0080-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.0940	0.100	9.1	11	103	X415113 - X4D0086-01	
EPA 335.4	Cyanide (total)	mg/L	0.108	0.104	0.100	4.1	20	108	X415003 - X4D0086-03	
EPA 350.1	Ammonia as N	mg/L	1.02	1.02	1.00	0.9	20	102	X415055 - X4D0139-03	
OIA 1677	Cyanide (WAD)	mg/L	0.112	0.101	0.100	10.3	11	110	X416129 - X4D0086-01	
OIA 1677	Cyanide (WAD)	mg/L	0.109	0.107	0.100	1.9	11	109	X418218 - X4D0086-05	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.14	3.08	3.00	1.9	20	99.7	X414183 - X4D0085-03	
EPA 300.0	Fluoride	mg/L	1.99	1.95	2.00	1.9	20	99.6	X414183 - X4D0085-03	
EPA 300.0	Nitrate as N	mg/L	1.99	1.95	2.00	1.9	20	99.6	X414183 - X4D0085-03	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0086**
Reported: 02-May-24 15:02

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.06	3.98	4.00	2.0	20	101	X414183 - X4D0085-03	
EPA 300.0	Nitrite as N	mg/L	2.06	2.02	2.00	2.1	20	103	X414183 - X4D0085-03	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.3	10.0	2.3	20	105	X414183 - X4D0085-03	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0086**
Victor, CO 80860	Reported: 02-May-24 15:02

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-107F**
SVL Sample ID: **X4D0124-05 (Ground Water)**

Sampled: 04-Apr-24 11:59
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	36.1	mg/L	0.100	0.069		X416077	NMS	04/19/24 12:15	
EPA 200.7	**Magnesium**	16.3	mg/L	0.500	0.090		X416077	NMS	04/19/24 12:15	
EPA 200.7	**Potassium**	0.91	mg/L	0.50	0.18		X416077	NMS	04/19/24 12:15	
SM 2340 B	**Hardness (as CaCO3)**	161	mg/L	2.31	0.543		N/A		04/19/24 12:15	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 13:05	
EPA 200.7	**Barium**	0.160	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 13:05	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 13:05	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 13:05	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 13:05	
EPA 200.7	**Calcium**	36.2	mg/L	0.100	0.069		X415016	NMS	04/09/24 13:05	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 13:05	
EPA 200.7	**Cobalt**	0.0066	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 13:05	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 13:05	
EPA 200.7	**Iron**	1.10	mg/L	0.100	0.056		X415016	NMS	04/09/24 13:05	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 13:05	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 13:05	
EPA 200.7	**Magnesium**	17.2	mg/L	0.500	0.090		X415016	NMS	04/09/24 13:05	
EPA 200.7	**Manganese**	0.231	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 13:05	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 13:05	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 13:05	
EPA 200.7	**Potassium**	0.93	mg/L	0.50	0.18		X415016	NMS	04/09/24 13:05	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 13:05	
EPA 200.7	**Sodium**	9.41	mg/L	0.50	0.12		X415016	NMS	04/09/24 13:05	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 13:05	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 13:05	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 16:01	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 16:01	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 16:01	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 16:01	
EPA 200.8	**Uranium**	0.00406	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 16:01	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:50	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 13:26	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 14:59	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 10:01	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:42	H1
SM 2310 B	**Acidity to pH 8.3**	-162	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	**Total Alkalinity**	156	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:53	
SM 2320 B	**Bicarbonate**	156	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:53	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 17:53	
SM 2540 C	**Total Diss. Solids**	194	mg/L	10			X415009	TJL	04/09/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X415011	TJL	04/09/24 15:20	
SM 4500 H B	**pH @19.2°C**	7.3	pH Units				X414208	MWD	04/08/24 17:53	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **GVMW-107F**
SVL Sample ID: **X4D0124-05 (Ground Water)**

Sampled: 04-Apr-24 11:59
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.84	mg/L	0.20	0.02		X414122	RS	04/05/24 18:34	
EPA 300.0	**Fluoride**	0.916	mg/L	0.100	0.017		X414122	RS	04/05/24 18:34	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X414122	RS	04/05/24 18:34	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X414122	RS	04/05/24 18:34	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414122	RS	04/05/24 18:34	
EPA 300.0	**Sulfate as SO4**	18.0	mg/L	0.30	0.18		X414122	RS	04/05/24 18:34	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.64 meq/L Anion Sum: 3.71 meq/L C/A Balance: -0.97 % Calculated TDS: 182 TDS/cTDS: 1.07

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **RB-0404**
SVL Sample ID: **X4D0124-07 (Ground Water)**

Sampled: 04-Apr-24 11:15
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X416077	NMS	04/19/24 12:22	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X416077	NMS	04/19/24 12:22	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X416077	NMS	04/19/24 12:22	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		04/09/24 13:12	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X415016	NMS	04/09/24 13:12	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X415016	NMS	04/09/24 13:12	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X415016	NMS	04/09/24 13:12	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X415016	NMS	04/09/24 13:12	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X415016	NMS	04/09/24 13:12	
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X415016	NMS	04/09/24 13:12	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X415016	NMS	04/09/24 13:12	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X415016	NMS	04/09/24 13:12	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X415016	NMS	04/09/24 13:12	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X415016	NMS	04/09/24 13:12	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X415016	NMS	04/09/24 13:12	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X415016	NMS	04/09/24 13:12	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X415016	NMS	04/09/24 13:12	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 13:12	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X415016	NMS	04/09/24 13:12	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X415016	NMS	04/09/24 13:12	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X415016	NMS	04/09/24 13:12	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 13:12	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X415016	NMS	04/09/24 13:12	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X415016	NMS	04/09/24 13:12	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X415016	NMS	04/09/24 13:12	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415044	SMU	04/13/24 16:06	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415044	SMU	04/13/24 16:06	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415044	SMU	04/13/24 16:06	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415044	SMU	04/13/24 16:06	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X415044	SMU	04/13/24 16:06	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X415207	MAC	04/15/24 16:54	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X415113	DD	04/10/24 14:47	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X415003	DD	04/08/24 15:04	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X415055	DD	04/10/24 10:13	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416129	DD	04/26/24 13:45	H1
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X415194	MWD	04/12/24 09:40	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 18:03	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 18:03	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 18:03	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X414208	MWD	04/08/24 18:03	
SM 2540 C	Total Diss. Solids	< 10	mg/L	10			X415009	TJL	04/09/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X415011	TJL	04/09/24 15:20	
SM 4500 H B	**pH @19.4°C**	5.9	pH Units				X414208	MWD	04/08/24 18:03	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: **X4D0124**
Reported: 02-May-24 14:24

Client Sample ID: **RB-0404**
SVL Sample ID: **X4D0124-07 (Ground Water)**

Sampled: 04-Apr-24 11:15
Received: 05-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.20	mg/L	0.20	0.02		X414122	RS	04/05/24 14:35	
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X414122	RS	04/05/24 14:35	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X414122	RS	04/05/24 14:35	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X414122	RS	04/05/24 14:35	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X414122	RS	04/05/24 14:35	
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X414122	RS	04/05/24 14:35	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.03 meq/L Anion Sum: 0.03 meq/L C/A Balance: 0.25 % Calculated TDS: 0 TDS/cTDS: 0.00

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

Kathryn Salter
Project Manager

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

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	X416077	19-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416077	19-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416077	19-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X415016	09-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X415016	09-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X415016	09-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X415016	09-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X415016	09-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X415016	09-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X415016	09-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X415016	09-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X415016	09-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X415016	09-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X415016	09-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X415016	09-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X415016	09-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X415016	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X415016	09-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X415016	09-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X415016	09-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X415016	09-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X415016	09-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X415016	09-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X415016	09-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X415044	13-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X415044	13-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X415044	13-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X415044	13-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X415044	13-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X415207	15-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X415113	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X415003	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X415055	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X416129	26-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X415194	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X414208	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X415009	09-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X415011	09-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X414122	05-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X414122	05-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X414122	05-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X414122	05-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X414122	05-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X414122	05-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

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	19.7	20.0	99	85 - 115	X416077	19-Apr-24	
EPA 200.7	Magnesium	mg/L	19.9	20.0	99.7	85 - 115	X416077	19-Apr-24	
EPA 200.7	Potassium	mg/L	20.3	20.0	102	85 - 115	X416077	19-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.919	1.00	91.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Barium	mg/L	0.996	1.00	99.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Beryllium	mg/L	0.996	1.00	99.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Boron	mg/L	0.967	1.00	96.7	85 - 115	X415016	09-Apr-24	
EPA 200.7	Cadmium	mg/L	0.987	1.00	98.7	85 - 115	X415016	09-Apr-24	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Chromium	mg/L	0.985	1.00	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Cobalt	mg/L	0.979	1.00	97.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Copper	mg/L	0.980	1.00	98.0	85 - 115	X415016	09-Apr-24	
EPA 200.7	Iron	mg/L	9.83	10.0	98.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Lead	mg/L	0.976	1.00	97.6	85 - 115	X415016	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.00	1.00	100	85 - 115	X415016	09-Apr-24	
EPA 200.7	Magnesium	mg/L	19.6	20.0	98.1	85 - 115	X415016	09-Apr-24	
EPA 200.7	Manganese	mg/L	0.999	1.00	99.9	85 - 115	X415016	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.985	1.00	98.5	85 - 115	X415016	09-Apr-24	
EPA 200.7	Nickel	mg/L	0.971	1.00	97.1	85 - 115	X415016	09-Apr-24	
EPA 200.7	Potassium	mg/L	20.1	20.0	100	85 - 115	X415016	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0530	0.0500	106	85 - 115	X415016	09-Apr-24	
EPA 200.7	Sodium	mg/L	18.1	19.0	95.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Vanadium	mg/L	0.993	1.00	99.3	85 - 115	X415016	09-Apr-24	
EPA 200.7	Zinc	mg/L	0.980	1.00	98.0	85 - 115	X415016	09-Apr-24	
EPA 200.8	Antimony	mg/L	0.0255	0.0250	102	85 - 115	X415044	13-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0234	0.0250	93.5	85 - 115	X415044	13-Apr-24	
EPA 200.8	Selenium	mg/L	0.0223	0.0250	89.3	85 - 115	X415044	13-Apr-24	
EPA 200.8	Thallium	mg/L	0.0255	0.0250	102	85 - 115	X415044	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0260	0.0250	104	85 - 115	X415044	13-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00223	0.00200	111	85 - 115	X415207	15-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	0.100	102	90 - 110	X415113	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.100	103	90 - 110	X415003	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.999	1.00	99.9	90 - 110	X415055	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.110	0.100	110	90 - 110	X416129	26-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1620	1640	99.0	95.4 - 104	X415194	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.2	9.93	103	96.4 - 105	X414208	08-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X414208	08-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X415011	09-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.2	90 - 110	X414122	05-Apr-24	
EPA 300.0	Fluoride	mg/L	1.93	2.00	96.6	90 - 110	X414122	05-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.97	2.00	98.3	90 - 110	X414122	05-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.44	4.50	98.6	90 - 110	X414122	05-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.47	2.50	98.9	90 - 110	X414122	05-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X414122	05-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

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	X415194 - X4D0086-01	12-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	157	157	0.1	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	157	157	0.1	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414208 - X4D0086-02	08-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X414208 - X4D0086-02	08-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	251	261	3.9	10	X415009 - X4D0124-02	09-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	346	356	2.9	10	X415009 - X4D0107-02	09-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X415011 - X4D0107-02	09-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X415011 - X4D0124-02	09-Apr-24	
SM 4500 H B	pH @18.1°C	pH Units	7.6	7.6	0.3	20	X414208 - X4D0086-02	08-Apr-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	20.3	0.250	20.0	100	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Calcium	mg/L	56.0	36.8	20.0	96	70 - 130	X416077 - X4D0124-04	19-Apr-24	
EPA 200.7	Magnesium	mg/L	20.9	<0.500	20.0	105	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Magnesium	mg/L	37.0	16.7	20.0	101	70 - 130	X416077 - X4D0124-04	19-Apr-24	
EPA 200.7	Potassium	mg/L	110	88.3	20.0	110	70 - 130	X416077 - X4D0086-01	19-Apr-24	
EPA 200.7	Potassium	mg/L	21.3	0.91	20.0	102	70 - 130	X416077 - X4D0124-04	19-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.972	<0.080	1.00	97.2	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Aluminum	mg/L	0.976	<0.080	1.00	97.6	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Barium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Barium	mg/L	1.06	<0.0020	1.00	106	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Calcium	mg/L	20.9	0.155	20.0	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Calcium	mg/L	20.7	<0.100	20.0	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Cobalt	mg/L	1.03	<0.0060	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Cobalt	mg/L	1.02	<0.0060	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Lead	mg/L	1.02	<0.0075	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.03	<0.040	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Magnesium	mg/L	20.7	<0.500	20.0	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Magnesium	mg/L	20.6	<0.500	20.0	103	70 - 130	X415016 - X4D0124-07	09-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

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	1.06	0.0115	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Manganese	mg/L	1.05	<0.0080	1.00	105	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.02	<0.0080	1.00	102	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Molybdenum	mg/L	1.02	<0.0080	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Nickel	mg/L	1.03	<0.0100	1.00	103	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Potassium	mg/L	38.2	16.9	20.0	107	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Potassium	mg/L	21.3	<0.50	20.0	107	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0572	<0.0050	0.0500	114	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Silver	mg/L	0.0570	<0.0050	0.0500	114	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Sodium	mg/L	19.3	<0.50	19.0	100	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Sodium	mg/L	19.3	<0.50	19.0	100	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Vanadium	mg/L	1.05	<0.0050	1.00	105	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	104	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.7	Zinc	mg/L	1.04	<0.0100	1.00	104	70 - 130	X415016 - X4D0086-01	09-Apr-24	
EPA 200.7	Zinc	mg/L	1.02	<0.0100	1.00	102	70 - 130	X415016 - X4D0124-07	09-Apr-24	
EPA 200.8	Antimony	mg/L	0.0307	<0.00100	0.0250	123	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Antimony	mg/L	0.0332	<0.00100	0.0250	133	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Arsenic	mg/L	0.0298	<0.00100	0.0250	119	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0328	<0.00100	0.0250	131	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Selenium	mg/L	0.0307	<0.00100	0.0250	123	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Selenium	mg/L	0.0344	<0.00100	0.0250	134	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
EPA 200.8	Thallium	mg/L	0.0287	<0.000200	0.0250	115	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Thallium	mg/L	0.0311	<0.000200	0.0250	124	70 - 130	X415044 - X4D0124-01	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0292	<0.000100	0.0250	117	70 - 130	X415044 - X4D0086-01	13-Apr-24	
EPA 200.8	Uranium	mg/L	0.0353	0.00230	0.0250	132	70 - 130	X415044 - X4D0124-01	13-Apr-24	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00234	<0.000200	0.00200	117	70 - 130	X415207 - X4D0080-01	15-Apr-24	
EPA 245.1	Mercury	mg/L	0.00218	<0.000200	0.00200	109	70 - 130	X415207 - X4D0124-03	15-Apr-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0940	<0.0050	0.100	94.0	79 - 121	X415113 - X4D0086-01	10-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X415003 - X4D0086-03	08-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.0976	<0.0050	0.100	97.6	90 - 110	X415003 - X4D0086-01	08-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X415055 - X4D0139-03	10-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X415055 - X4D0139-01	10-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	<0.0050	0.100	99.0	82 - 118	X416129 - X4D0086-01	26-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.08	0.20	3.00	95.8	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Fluoride	mg/L	1.94	<0.100	2.00	95.3	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.91	<0.050	2.00	95.7	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.91	<0.100	4.00	97.9	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	100	90 - 110	X414122 - X4D0124-07	05-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.1	<0.30	10.0	99.4	90 - 110	X414122 - X4D0124-07	05-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0124**
Reported: 02-May-24 14:24

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	20.3	20.3	20.0	0.1	20	100	X416077 - X4D0086-01	
EPA 200.7	Magnesium	mg/L	20.9	20.9	20.0	0.4	20	104	X416077 - X4D0086-01	
EPA 200.7	Potassium	mg/L	111	110	20.0	0.3	20	112	X416077 - X4D0086-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.967	0.972	1.00	0.4	20	96.7	X415016 - X4D0086-01	
EPA 200.7	Barium	mg/L	1.05	1.05	1.00	0.2	20	105	X415016 - X4D0086-01	
EPA 200.7	Beryllium	mg/L	1.04	1.04	1.00	0.0	20	104	X415016 - X4D0086-01	
EPA 200.7	Boron	mg/L	1.03	1.03	1.00	0.4	20	103	X415016 - X4D0086-01	
EPA 200.7	Cadmium	mg/L	1.05	1.05	1.00	0.1	20	105	X415016 - X4D0086-01	
EPA 200.7	Calcium	mg/L	20.7	20.9	20.0	1.0	20	103	X415016 - X4D0086-01	
EPA 200.7	Chromium	mg/L	1.04	1.04	1.00	0.2	20	104	X415016 - X4D0086-01	
EPA 200.7	Cobalt	mg/L	1.03	1.03	1.00	0.1	20	103	X415016 - X4D0086-01	
EPA 200.7	Copper	mg/L	1.05	1.04	1.00	0.7	20	105	X415016 - X4D0086-01	
EPA 200.7	Iron	mg/L	10.3	10.4	10.0	0.5	20	103	X415016 - X4D0086-01	
EPA 200.7	Lead	mg/L	1.02	1.03	1.00	0.5	20	102	X415016 - X4D0086-01	
EPA 200.7	Lithium	mg/L	1.04	1.03	1.00	0.7	20	104	X415016 - X4D0086-01	
EPA 200.7	Magnesium	mg/L	20.5	20.7	20.0	0.9	20	102	X415016 - X4D0086-01	
EPA 200.7	Manganese	mg/L	1.05	1.06	1.00	0.6	20	104	X415016 - X4D0086-01	
EPA 200.7	Molybdenum	mg/L	1.03	1.02	1.00	0.2	20	103	X415016 - X4D0086-01	
EPA 200.7	Nickel	mg/L	1.02	1.03	1.00	0.4	20	102	X415016 - X4D0086-01	
EPA 200.7	Potassium	mg/L	38.2	38.2	20.0	0.2	20	106	X415016 - X4D0086-01	
EPA 200.7	Silver	mg/L	0.0571	0.0572	0.0500	0.2	20	114	X415016 - X4D0086-01	
EPA 200.7	Sodium	mg/L	19.3	19.3	19.0	0.1	20	100	X415016 - X4D0086-01	
EPA 200.7	Vanadium	mg/L	1.04	1.05	1.00	0.6	20	104	X415016 - X4D0086-01	
EPA 200.7	Zinc	mg/L	1.04	1.04	1.00	0.3	20	104	X415016 - X4D0086-01	
EPA 200.8	Antimony	mg/L	0.0310	0.0307	0.0250	1.2	20	124	X415044 - X4D0086-01	
EPA 200.8	Arsenic	mg/L	0.0300	0.0298	0.0250	0.7	20	120	X415044 - X4D0086-01	
EPA 200.8	Selenium	mg/L	0.0314	0.0307	0.0250	2.3	20	125	X415044 - X4D0086-01	
EPA 200.8	Thallium	mg/L	0.0288	0.0287	0.0250	0.6	20	115	X415044 - X4D0086-01	
EPA 200.8	Uranium	mg/L	0.0293	0.0292	0.0250	0.2	20	117	X415044 - X4D0086-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00243	0.00234	0.00200	3.9	20	122	X415207 - X4D0080-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.0940	0.100	9.1	11	103	X415113 - X4D0086-01	
EPA 335.4	Cyanide (total)	mg/L	0.108	0.104	0.100	4.1	20	108	X415003 - X4D0086-03	
EPA 350.1	Ammonia as N	mg/L	1.02	1.02	1.00	0.9	20	102	X415055 - X4D0139-03	
OIA 1677	Cyanide (WAD)	mg/L	0.112	0.101	0.100	10.3	11	110	X416129 - X4D0086-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.11	3.08	3.00	1.1	20	97.0	X414122 - X4D0124-07	
EPA 300.0	Fluoride	mg/L	1.97	1.94	2.00	1.5	20	96.8	X414122 - X4D0124-07	
EPA 300.0	Nitrate as N	mg/L	1.93	1.91	2.00	1.0	20	96.6	X414122 - X4D0124-07	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.92	3.91	4.00	0.1	20	98.0	X414122 - X4D0124-07	
EPA 300.0	Nitrite as N	mg/L	1.99	2.00	2.00	0.7	20	99.4	X414122 - X4D0124-07	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.1	10.0	1.3	20	101	X414122 - X4D0124-07	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0124**
Victor, CO 80860	Reported: 02-May-24 14:24

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **GVMW-125**
SVL Sample ID: **X4D0206-04 (Ground Water)**

Sampled: 10-Apr-24 11:37
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	430	mg/L	2.00	1.38	20	X416235	NMS	04/23/24 12:23	D2
EPA 200.7	**Magnesium**	303	mg/L	0.500	0.090		X416235	NMS	04/23/24 11:30	
EPA 200.7	**Potassium**	7.26	mg/L	0.50	0.18		X416235	NMS	04/23/24 11:30	
SM 2340 B	**Hardness (as CaCO3)**	2270	mg/L	7.05	3.82		N/A		04/23/24 11:30	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	322	mg/L	0.080	0.054		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Barium**	0.0120	mg/L	0.0020	0.0019		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Beryllium**	0.265	mg/L	0.00200	0.00080		X416017	NMS	04/17/24 12:04	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Cadmium**	0.779	mg/L	0.0020	0.0016		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Calcium**	450	mg/L	0.100	0.069		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Chromium**	0.0232	mg/L	0.0060	0.0020		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Cobalt**	0.834	mg/L	0.0060	0.0046		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Copper**	1.19	mg/L	0.0100	0.0027		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Iron**	0.297	mg/L	0.100	0.056		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Lead**	0.0087	mg/L	0.0075	0.0049		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Lithium**	0.198	mg/L	0.040	0.025		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Magnesium**	291	mg/L	0.500	0.090		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Manganese**	119	mg/L	0.0800	0.0340	10	X416017	NMS	04/17/24 15:49	D2
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Nickel**	1.42	mg/L	0.0100	0.0048		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Potassium**	6.71	mg/L	0.50	0.18		X416017	NMS	04/16/24 14:18	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Sodium**	38.9	mg/L	0.50	0.12		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Vanadium**	0.0097	mg/L	0.0050	0.0019		X416017	NMS	04/16/24 14:18	
EPA 200.7	**Zinc**	29.3	mg/L	0.0100	0.0054		X416017	NMS	04/17/24 12:04	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415243	SMU	04/24/24 11:36	
EPA 200.8	**Arsenic**	0.00904	mg/L	0.00100	0.00021		X415243	SMU	04/24/24 11:36	M1
EPA 200.8	**Selenium**	0.0284	mg/L	0.00100	0.00024		X415243	SMU	04/24/24 11:36	M1
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X415243	SMU	04/24/24 13:39	D1
EPA 200.8	**Uranium**	1.21	mg/L	0.000500	0.000260	5	X415243	SMU	04/24/24 13:39	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X416045	MAC	04/22/24 16:44	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X416100	DD	04/17/24 11:29	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X416002	DD	04/16/24 12:59	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X416053	DD	04/17/24 13:23	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416130	DD	04/19/24 13:36	
SM 2310 B	**Acidity to pH 8.3**	2430	mg/L as CaCO3	10.0			X416150	MWD	04/18/24 08:52	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:30	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:30	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:30	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:30	
SM 2540 C	**Total Diss. Solids**	6300	mg/L	40			X415170	TJL	04/15/24 14:10	D2
SM 2540 D	**Total Susp. Solids**	23.0	mg/L	5.0			X415171	TJL	04/15/24 16:00	
SM 4500 H B	**pH @19.2°C**	3.9	pH Units				X416068	MWD	04/16/24 14:30	H5

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

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **GVMW-125**
SVL Sample ID: **X4D0206-04 (Ground Water)**

Sampled: 10-Apr-24 11:37
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	20.8	mg/L	1.00	0.11	5	X415149	RS	04/11/24 15:29	D2
EPA 300.0	**Fluoride**	9.15	mg/L	0.500	0.085	5	X415149	RS	04/11/24 15:29	D2
EPA 300.0	**Nitrate as N**	2.77	mg/L	0.250	0.065	5	X415149	RS	04/11/24 15:29	D1
EPA 300.0	**Nitrate+Nitrite as N**	2.77	mg/L	0.500	0.220	5	X415149	RS	04/11/24 15:29	D1
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X415149	RS	04/11/24 15:29	D1
EPA 300.0	**Sulfate as SO4**	4380	mg/L	30.0	18.0	100	X415149	RS	04/11/24 15:47	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 95.9 meq/L Anion Sum: 92.5 meq/L C/A Balance: 1.80 % Calculated TDS: 5205 TDS/cTDS: 1.21

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

Kathryn Salter
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **RB-0410**
SVL Sample ID: **X4D0206-05 (Ground Water)**

Sampled: 10-Apr-24 10:55
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X416235	NMS	04/23/24 11:57	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X416235	NMS	04/23/24 11:57	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X416235	NMS	04/23/24 11:57	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		04/23/24 11:57	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X416017	NMS	04/16/24 14:22	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X416017	NMS	04/16/24 14:22	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X416017	NMS	04/17/24 12:07	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X416017	NMS	04/16/24 14:22	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X416017	NMS	04/16/24 14:22	
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X416017	NMS	04/16/24 14:22	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X416017	NMS	04/16/24 14:22	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X416017	NMS	04/16/24 14:22	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X416017	NMS	04/16/24 14:22	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X416017	NMS	04/16/24 14:22	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X416017	NMS	04/16/24 14:22	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X416017	NMS	04/16/24 14:22	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X416017	NMS	04/16/24 14:22	
EPA 200.7	**Manganese**	0.0109	mg/L	0.0080	0.0034		X416017	NMS	04/16/24 14:22	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X416017	NMS	04/16/24 14:22	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X416017	NMS	04/16/24 14:22	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X416017	NMS	04/16/24 14:22	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X416017	NMS	04/16/24 14:22	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X416017	NMS	04/16/24 14:22	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X416017	NMS	04/16/24 14:22	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X416017	NMS	04/16/24 14:22	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X415243	SMU	04/24/24 11:44	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X415243	SMU	04/24/24 11:44	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X415243	SMU	04/24/24 11:44	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X415243	SMU	04/24/24 11:44	
EPA 200.8	**Uranium**	0.00120	mg/L	0.000100	0.000052		X415243	SMU	04/24/24 11:44	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X416045	MAC	04/22/24 16:46	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X416100	DD	04/17/24 11:31	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X416002	DD	04/16/24 13:02	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X416053	DD	04/17/24 13:37	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X416130	DD	04/19/24 13:37	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X416150	MWD	04/18/24 08:52	
SM 2320 B	**Total Alkalinity**	3.7	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:44	
SM 2320 B	**Bicarbonate**	3.7	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:44	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:44	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X416068	MWD	04/16/24 14:44	
SM 2540 C	**Total Diss. Solids**	23	mg/L	10			X415170	TJL	04/15/24 14:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X415171	TJL	04/15/24 16:00	
SM 4500 H B	**pH @19.4°C**	6.5	pH Units				X416068	MWD	04/16/24 14:44	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Client Sample ID: **RB-0410**
SVL Sample ID: **X4D0206-05 (Ground Water)**

Sampled: 10-Apr-24 10:55
Received: 11-Apr-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.22	mg/L	0.20	0.02		X415149	RS	04/11/24 13:05	
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X415149	RS	04/11/24 13:05	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X415149	RS	04/11/24 13:05	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X415149	RS	04/11/24 13:05	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X415149	RS	04/11/24 13:05	
EPA 300.0	**Sulfate as SO4**	0.30	mg/L	0.30	0.18		X415149	RS	04/11/24 13:05	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.03 meq/L Anion Sum: 0.09 meq/L C/A Balance: -45.39 % Calculated TDS: 3 TDS/cTDS: 8.39

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

Kathryn Salter
Project Manager

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

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	X416235	23-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416235	23-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416235	23-Apr-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X416017	16-Apr-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X416017	16-Apr-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X416017	16-Apr-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X416017	16-Apr-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X416017	16-Apr-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X416017	16-Apr-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X416017	16-Apr-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X416017	16-Apr-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X416017	16-Apr-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X416017	16-Apr-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X416017	16-Apr-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X416017	16-Apr-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X416017	16-Apr-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X416017	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X416017	16-Apr-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X416017	16-Apr-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X416017	16-Apr-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X416017	16-Apr-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X416017	16-Apr-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X416017	16-Apr-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X416017	16-Apr-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X415243	24-Apr-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X415243	24-Apr-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X415243	24-Apr-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X415243	24-Apr-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X415243	24-Apr-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X416045	22-Apr-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X416100	17-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X416002	16-Apr-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X416053	17-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X416130	19-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X416150	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X416068	16-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X415170	15-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X415171	15-Apr-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X415149	11-Apr-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X415149	11-Apr-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X415149	11-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X415149	11-Apr-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X415149	11-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X415149	11-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.5	20.0	98	85 - 115	X416235	23-Apr-24	
EPA 200.7	Magnesium	mg/L	19.8	20.0	98.9	85 - 115	X416235	23-Apr-24	
EPA 200.7	Potassium	mg/L	19.7	20.0	98.7	85 - 115	X416235	23-Apr-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.950	1.00	95.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Barium	mg/L	0.980	1.00	98.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Beryllium	mg/L	0.986	1.00	98.6	85 - 115	X416017	16-Apr-24	
EPA 200.7	Boron	mg/L	0.973	1.00	97.3	85 - 115	X416017	16-Apr-24	
EPA 200.7	Cadmium	mg/L	0.978	1.00	97.8	85 - 115	X416017	16-Apr-24	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.5	85 - 115	X416017	16-Apr-24	
EPA 200.7	Chromium	mg/L	0.980	1.00	98.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Cobalt	mg/L	0.961	1.00	96.1	85 - 115	X416017	16-Apr-24	
EPA 200.7	Copper	mg/L	0.984	1.00	98.4	85 - 115	X416017	16-Apr-24	
EPA 200.7	Iron	mg/L	9.93	10.0	99.3	85 - 115	X416017	16-Apr-24	
EPA 200.7	Lead	mg/L	0.975	1.00	97.5	85 - 115	X416017	16-Apr-24	
EPA 200.7	Lithium	mg/L	0.960	1.00	96.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Magnesium	mg/L	19.8	20.0	98.9	85 - 115	X416017	16-Apr-24	
EPA 200.7	Manganese	mg/L	0.987	1.00	98.7	85 - 115	X416017	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.996	1.00	99.6	85 - 115	X416017	16-Apr-24	
EPA 200.7	Nickel	mg/L	0.968	1.00	96.8	85 - 115	X416017	16-Apr-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.0	85 - 115	X416017	16-Apr-24	
EPA 200.7	Silver	mg/L	0.0496	0.0500	99.2	85 - 115	X416017	16-Apr-24	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.3	85 - 115	X416017	16-Apr-24	
EPA 200.7	Vanadium	mg/L	0.993	1.00	99.3	85 - 115	X416017	16-Apr-24	
EPA 200.7	Zinc	mg/L	0.973	1.00	97.3	85 - 115	X416017	16-Apr-24	
EPA 200.8	Antimony	mg/L	0.0257	0.0250	103	85 - 115	X415243	24-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0230	0.0250	92.1	85 - 115	X415243	24-Apr-24	
EPA 200.8	Selenium	mg/L	0.0215	0.0250	86.2	85 - 115	X415243	24-Apr-24	
EPA 200.8	Thallium	mg/L	0.0241	0.0250	96.3	85 - 115	X415243	24-Apr-24	
EPA 200.8	Uranium	mg/L	0.0249	0.0250	99.4	85 - 115	X415243	24-Apr-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00217	0.00200	108	85 - 115	X416045	22-Apr-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0980	0.100	98.0	90 - 110	X416100	17-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.0980	0.100	98.0	90 - 110	X416002	16-Apr-24	
EPA 350.1	Ammonia as N	mg/L	0.996	1.00	99.6	90 - 110	X416053	17-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0950	0.100	95.0	90 - 110	X416130	19-Apr-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	1650	1640	101	95.4 - 104	X416150	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.90	9.93	99.7	96.4 - 105	X416068	16-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X416068	16-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X415171	15-Apr-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	98.9	90 - 110	X415149	11-Apr-24	
EPA 300.0	Fluoride	mg/L	1.95	2.00	97.5	90 - 110	X415149	11-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.98	2.00	99.1	90 - 110	X415149	11-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.46	4.50	99.2	90 - 110	X415149	11-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.48	2.50	99.3	90 - 110	X415149	11-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X415149	11-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

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	X416150 - X4D0206-01	18-Apr-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X416068 - X4D0206-02	16-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	294	299	1.7	10	X415170 - X4D0206-01	15-Apr-24	
SM 2540 C	Total Diss. Solids	mg/L	363	368	1.4	10	X415170 - X4D0201-01	15-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	24.0	25.0	4.1	10	X415171 - X4D0206-01	15-Apr-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X415171 - X4D0201-01	15-Apr-24	
SM 4500 H B	pH @19.2°C	pH Units	2.9	2.9	0.3	20	X416068 - X4D0206-02	16-Apr-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	75.7	56.3	20.0	97	70 - 130	X416235 - X4D0201-01	23-Apr-24	
EPA 200.7	Calcium	mg/L	29.9	11.1	20.0	94	70 - 130	X416235 - X4D0245-04	23-Apr-24	
EPA 200.7	Magnesium	mg/L	42.1	21.2	20.0	104	70 - 130	X416235 - X4D0201-01	23-Apr-24	
EPA 200.7	Magnesium	mg/L	19.9	0.696	20.0	96.2	70 - 130	X416235 - X4D0245-04	23-Apr-24	
EPA 200.7	Potassium	mg/L	30.7	11.2	20.0	97.7	70 - 130	X416235 - X4D0201-01	23-Apr-24	
EPA 200.7	Potassium	mg/L	19.4	<0.50	20.0	96.9	70 - 130	X416235 - X4D0245-04	23-Apr-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	10.6	9.54	1.00	104	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Aluminum	mg/L	0.947	<0.080	1.00	94.7	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Barium	mg/L	1.03	0.0447	1.00	99.0	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Barium	mg/L	0.957	<0.0020	1.00	95.7	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Beryllium	mg/L	0.946	0.00582	1.00	94.0	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Beryllium	mg/L	0.970	<0.00200	1.00	97.0	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Boron	mg/L	0.991	<0.0400	1.00	97.3	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Boron	mg/L	0.968	<0.0400	1.00	96.8	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Cadmium	mg/L	1.02	0.0783	1.00	94.5	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Cadmium	mg/L	0.975	<0.0020	1.00	97.5	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Calcium	mg/L	276	255	20.0	107	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Calcium	mg/L	19.2	<0.100	20.0	95.9	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Chromium	mg/L	0.955	<0.0060	1.00	95.5	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Chromium	mg/L	0.965	<0.0060	1.00	96.5	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Cobalt	mg/L	1.14	0.196	1.00	94.6	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Cobalt	mg/L	0.954	<0.0060	1.00	95.4	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Copper	mg/L	11.1	10.4	1.00	0.30R>S	70 - 130	X416017 - X4D0164-01	16-Apr-24	M3
EPA 200.7	Copper	mg/L	0.934	<0.0100	1.00	93.4	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Iron	mg/L	9.87	<0.100	10.0	98.7	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Iron	mg/L	9.83	<0.100	10.0	98.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Lead	mg/L	0.999	0.0510	1.00	94.8	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Lead	mg/L	0.975	<0.0075	1.00	97.5	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Lithium	mg/L	0.972	<0.040	1.00	94.5	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Lithium	mg/L	0.944	<0.040	1.00	94.4	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Magnesium	mg/L	136	114	20.0	109	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Magnesium	mg/L	19.7	<0.500	20.0	98.4	70 - 130	X416017 - X4D0212-05	16-Apr-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

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	15.6	14.8	1.00	79.5	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Manganese	mg/L	0.965	<0.0080	1.00	96.5	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.979	<0.0080	1.00	97.9	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Molybdenum	mg/L	0.973	<0.0080	1.00	97.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Nickel	mg/L	1.11	0.150	1.00	95.6	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Nickel	mg/L	0.962	<0.0100	1.00	96.2	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Potassium	mg/L	23.5	3.58	20.0	99.7	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Potassium	mg/L	19.3	<0.50	20.0	96.7	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Silver	mg/L	0.0484	<0.0050	0.0500	96.7	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Silver	mg/L	0.0481	<0.0050	0.0500	96.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Sodium	mg/L	40.5	21.8	19.0	98.4	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Sodium	mg/L	18.5	<0.50	19.0	96.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Vanadium	mg/L	0.988	<0.0050	1.00	98.8	70 - 130	X416017 - X4D0164-01	16-Apr-24	
EPA 200.7	Vanadium	mg/L	0.978	<0.0050	1.00	97.8	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.7	Zinc	mg/L	17.8	17.8	1.00	0.30R>S	70 - 130	X416017 - X4D0164-01	16-Apr-24	M3
EPA 200.7	Zinc	mg/L	0.983	<0.0100	1.00	98.3	70 - 130	X416017 - X4D0212-05	16-Apr-24	
EPA 200.8	Antimony	mg/L	0.0280	<0.00100	0.0250	112	70 - 130	X415243 - X4D0206-01	24-Apr-24	
EPA 200.8	Antimony	mg/L	0.0297	<0.00100	0.0250	119	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Arsenic	mg/L	0.0388	<0.00100	0.0250	154	70 - 130	X415243 - X4D0206-01	24-Apr-24	M1
EPA 200.8	Arsenic	mg/L	0.0363	0.00525	0.0250	124	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Selenium	mg/L	0.0556	<0.00100	0.0250	222	70 - 130	X415243 - X4D0206-01	24-Apr-24	M1
EPA 200.8	Selenium	mg/L	0.0290	<0.00100	0.0250	112	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Thallium	mg/L	0.0304	<0.000200	0.0250	121	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Thallium	mg/L	0.0263	<0.00100	0.0250	105	70 - 130	X415243 - X4D0206-01	24-Apr-24	D1
EPA 200.8	Uranium	mg/L	0.0353	0.00343	0.0250	128	70 - 130	X415243 - X4D0217-01	24-Apr-24	
EPA 200.8	Uranium	mg/L	1.37	<0.000500	0.0250	5476	70 - 130	X415243 - X4D0206-01	24-Apr-24	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X416045 - X4D0206-01	22-Apr-24	
EPA 245.1	Mercury	mg/L	0.0423	0.0386	0.00200	0.30R>S	70 - 130	X416045 - X4D0254-01	22-Apr-24	D2,M4
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.107	<0.0050	0.100	107	79 - 121	X416100 - X4D0253-06	17-Apr-24	
EPA 335.4	Cyanide (total)	mg/L	0.0911	<0.0050	0.100	91.1	90 - 110	X416002 - X4D0158-01	16-Apr-24	R2B
EPA 350.1	Ammonia as N	mg/L	1.08	<0.030	1.00	108	90 - 110	X416053 - X4D0206-02	17-Apr-24	
EPA 350.1	Ammonia as N	mg/L	1.04	<0.030	1.00	104	90 - 110	X416053 - X4D0206-04	17-Apr-24	
OIA 1677	Cyanide (WAD)	mg/L	0.115	<0.0050	0.100	114	82 - 118	X416130 - X4D0206-01	19-Apr-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	18.7	15.9	3.00	90.3	90 - 110	X415149 - X4D0199-01	11-Apr-24	D2
EPA 300.0	Chloride	mg/L	3.17	0.22	3.00	98.4	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Fluoride	mg/L	1.97	<0.100	2.00	97.1	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Fluoride	mg/L	1.99	<0.100	2.00	97.6	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Nitrate as N	mg/L	2.13	0.169	2.00	98.0	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Nitrate as N	mg/L	1.96	<0.050	2.00	98.1	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.14	0.173	4.00	99.1	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.99	<0.100	4.00	99.6	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X415149 - X4D0206-05	11-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	25.0	15.0	10.0	99.9	90 - 110	X415149 - X4D0199-01	11-Apr-24	
EPA 300.0	Sulfate as SO4	mg/L	10.5	0.30	10.0	102	90 - 110	X415149 - X4D0206-05	11-Apr-24	

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4D0206**
Reported: 25-Apr-24 13:09

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	74.6	75.7	20.0	1.0	20	92	X416235 - X4D0201-01	
EPA 200.7	Magnesium	mg/L	41.3	42.1	20.0	1.9	20	100	X416235 - X4D0201-01	
EPA 200.7	Potassium	mg/L	30.3	30.7	20.0	1.4	20	95.5	X416235 - X4D0201-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	10.7	10.6	1.00	1.1	20	116	X416017 - X4D0164-01	
EPA 200.7	Barium	mg/L	1.02	1.03	1.00	1.4	20	97.5	X416017 - X4D0164-01	
EPA 200.7	Beryllium	mg/L	0.952	0.946	1.00	0.6	20	94.6	X416017 - X4D0164-01	
EPA 200.7	Boron	mg/L	1.01	0.991	1.00	1.9	20	99.2	X416017 - X4D0164-01	
EPA 200.7	Cadmium	mg/L	1.02	1.02	1.00	0.3	20	94.2	X416017 - X4D0164-01	
EPA 200.7	Calcium	mg/L	275	276	20.0	0.3	20	103	X416017 - X4D0164-01	
EPA 200.7	Chromium	mg/L	0.950	0.955	1.00	0.6	20	95.0	X416017 - X4D0164-01	
EPA 200.7	Cobalt	mg/L	1.14	1.14	1.00	0.3	20	94.3	X416017 - X4D0164-01	
EPA 200.7	Copper	mg/L	11.2	11.1	1.00	0.7	20	73.6	X416017 - X4D0164-01	
EPA 200.7	Iron	mg/L	9.86	9.87	10.0	0.1	20	98.6	X416017 - X4D0164-01	
EPA 200.7	Lead	mg/L	1.00	0.999	1.00	0.1	20	94.9	X416017 - X4D0164-01	
EPA 200.7	Lithium	mg/L	0.997	0.972	1.00	2.5	20	97.0	X416017 - X4D0164-01	
EPA 200.7	Magnesium	mg/L	133	136	20.0	1.8	20	97.3	X416017 - X4D0164-01	
EPA 200.7	Manganese	mg/L	15.8	15.6	1.00	0.9	20	94.0	X416017 - X4D0164-01	
EPA 200.7	Molybdenum	mg/L	0.976	0.979	1.00	0.3	20	97.6	X416017 - X4D0164-01	
EPA 200.7	Nickel	mg/L	1.11	1.11	1.00	0.0	20	95.5	X416017 - X4D0164-01	
EPA 200.7	Potassium	mg/L	23.5	23.5	20.0	0.1	20	99.7	X416017 - X4D0164-01	
EPA 200.7	Silver	mg/L	0.0500	0.0484	0.0500	3.4	20	100	X416017 - X4D0164-01	
EPA 200.7	Sodium	mg/L	40.4	40.5	19.0	0.1	20	98.1	X416017 - X4D0164-01	
EPA 200.7	Vanadium	mg/L	0.983	0.988	1.00	0.5	20	98.3	X416017 - X4D0164-01	
EPA 200.7	Zinc	mg/L	17.9	17.8	1.00	1.0	20	0.30R>S	X416017 - X4D0164-01	M3
EPA 200.8	Antimony	mg/L	0.0285	0.0280	0.0250	1.7	20	114	X415243 - X4D0206-01	
EPA 200.8	Arsenic	mg/L	0.0386	0.0388	0.0250	0.5	20	153	X415243 - X4D0206-01	M1
EPA 200.8	Selenium	mg/L	0.0560	0.0556	0.0250	0.7	20	224	X415243 - X4D0206-01	M1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00211	0.00209	0.00200	1.0	20	105	X416045 - X4D0206-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.109	0.107	0.100	1.9	11	109	X416100 - X4D0253-06	
EPA 335.4	Cyanide (total)	mg/L	0.0477	0.0911	0.100	62.5	20	47.7	X416002 - X4D0158-01	M2,R2B
EPA 350.1	Ammonia as N	mg/L	1.14	1.08	1.00	5.2	20	114	X416053 - X4D0206-02	M1
OIA 1677	Cyanide (WAD)	mg/L	0.120	0.115	0.100	4.3	11	119	X416130 - X4D0206-01	M1
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	18.7	18.7	3.00	0.5	20	93.4	X415149 - X4D0199-01	D2
EPA 300.0	Fluoride	mg/L	2.04	1.97	2.00	3.2	20	100	X415149 - X4D0199-01	
EPA 300.0	Nitrate as N	mg/L	2.19	2.13	2.00	2.8	20	101	X415149 - X4D0199-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.27	4.14	4.00	3.1	20	102	X415149 - X4D0199-01	
EPA 300.0	Nitrite as N	mg/L	2.08	2.01	2.00	3.4	20	104	X415149 - X4D0199-01	
EPA 300.0	Sulfate as SO4	mg/L	25.2	25.0	10.0	1.1	20	103	X415149 - X4D0199-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4D0206**
Victor, CO 80860	Reported: 25-Apr-24 13:09

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
E11	Sample exceeds method-specified limit for solids content.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
Q12	Sample was received and analyzed with pH <12.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Newmont
NORTH AMERICA

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Attachment 3

Sampling Logs

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 43.4
Date: 4-24-24
Quarter: 2
Well ID: GVMW-4A
Well Depth (TD): 480 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
12:30			6.43	409.1	6.0	2.63	48.3	
12:35	43.85	0.45	6.45	236.6	5.8	1.79	59.4	
12:40	43.85	0	6.45	219.6	6.0	1.91	39.9	
12:45	43.8	+0.05	6.46	216.2	6.3	2.21	27.5	0.25 gpm (4)
12:50	43.9	0.1	6.46	214.5	6.3	2.37	18.8	
12:55	43.95	0.05	6.46	215.8	6.3	2.35	13.8	
1:00	43.95	0	6.46	214.4	6.3	2.32	10.6	
1:05	43.75	+0.2	6.45	211.1	6.7	3.00	7.1	
1:10	43.75	0	6.46	210.1	7.0	2.63	5.9	
		Total draw						
		0.35						

Sample Method: Low Flow
Rate (gpm): ~0.06 * Flow rate at stabilization (during sample collection)
Time Start: 12:30 Time End: 1:10

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.46	±0.1	(Y) / N	
Conductivity	210.1	3%	(Y) / N	
Temp (deg C)	7.0	3%	(Y) / N	
Dissolved Oxyger	2.63	10%	(Y) / N	
Turbidity	—	10%	(Y) / N	
Oxidation/Reduction	5.9	±10	(Y) / N	
DTW Stabilized	43.75	feet	(Y) / N	
Final H2O level	43.75	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N * See Field Volume Guide
If yes, required pump vol (gal): 2.87 following stabilization
Actual vol. pumped (gal) ~3

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

Weather: 59°, warm, windy
Signature:

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

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

Show Calculations: 2.3 * 0.5 = 2.87 use 5 gal bucket

* unable to Stabilize Temp, DO & ORP
* water level was inconsistent kept rising & dropping
* sample not representative of aquafer condition.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 52
Date: 4-4-24
Quarter: 2
Well ID: GVMW-7A
Well Depth (TD): 200 feet
Is well Dry? NO
If so Dry at:

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:34			7.20	524.9	5.4	2.95	-34.1	
11:39	52.05	0.05	7.24	356.0	5.5	1.78	-20.7	
11:44	52.1	0.05	7.25	298.0	5.5	1.46	-22.8	0.22 L/m
11:49	52.1	0	7.25	291.8	5.6	1.35	-23.8	
11:54	52.2	1	7.26	289.3	5.6	1.36	-24.5	
11:59	52.2	0	7.26	291.8	5.6	1.40	-25.1	
		Total 0.2						

Stabilization

Sample Method: Low Flow
Rate (gpm): ~0.05 * Flow rate at stabilization (during sample collection)
Time Start: 11:34 Time End: 11:59

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.26	±0.1	Y / N	
Conductivity	291.8	3%	Y / N	
Temp (deg C)	5.6	3%	Y / N	
Dissolved Oxyger	1.40	10%	Y / N	
Turbidity	-	10%	Y / N	
Oxidation/Reduction	-25.1	±10	Y / N	
DTW Stabilized	52.2	feet	Y / N	
Final H2O level	52.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) * See Field Volume Guide
If yes, required pump vol (gal): 0.40 following stabilization
Actual vol. pumped (gal) ~2

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

Weather: 52° clear, 40%
Signature:

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

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

Show Calculations:
use 5 gal buckets

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 44.8
Date: 4-4-24
Quarter: 2
Well ID: GvMW-7B
Well Depth (TD): 49 feet
Is well Dry? NO
If so Dry at: —

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:30			7.46	854.4	6.4		104	
10:40			7.55	828.5	6.9		147	
10:44			7.52	827.5	6.8		227	

Sample Method: 3 well vol
Rate (gpm): —
* Flow rate at stabilization (during sample collection)
Time Start: 10:30 Time End: 10:44

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.52	±0.1	Y / N	
Conductivity	827.5	3%	Y / N	
Temp (deg C)	6.8	3%	Y / N	
Dissolved Oxyger		10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	227	±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) 2.5

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

Weather: 49°, hot, clear
Signature:

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

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

Show Calculations:
49 − 44.8 =
0.1632 × 4.2 = 0.68
3 × 0.68 = 2.04 gal

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 141
Date: 4-4-24
Quarter: 2
Well ID: GVMW-8A
Well Depth (TD): 229.05 feet
Is well Dry? NO
If so Dry at: —

Stabilization

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:05			7.10	384.1	6.5	9.55	246.1	
9:10	147.15	0.15	6.88	383.3	6.4	8.40	243.4	
9:15	147.1	+0.05	6.86	383.3	6.5	8.36	236.6	0.6 4/M (280)
9:20	147.15	0.05	6.87	382.9	6.6	7.82	231.5	
9:25	147.2	0.05	6.87	283.3	6.6	7.80	221.0	
9:30	147.2	0	6.87	283.1	6.6	7.74	213.7	
		total						
		0.2						

Sample Method: Low Flow Rate (gpm): 0.15 Time Start: 9:05 Time End: 9:30
* Flow rate at stabilization (during sample collection)

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.87	±0.1	Y / N	
Conductivity	283.1	3%	Y / N	
Temp (deg C)	6.6	3%	Y / N	
Dissolved Oxyger	7.74	10%	Y / N	
Turbidity	~~2nd~~	10%	Y / N	
Oxidation/Reduction	213.7	±10	Y / N	
DTW Stabilized	147.2	feet	Y / N	
Final H2O level	147.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
* See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 1.53 Actual vol. pumped (gal) ~4

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

Weather: 31° Clear, windy
Signature:

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

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

Show Calculations:
0.2 drawdown
0.1 + 1.43 = 1.53
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 39.0
Date: 4-4-24
Quarter: 2
Well ID: GVMW-8B
Well Depth (TD): 47.37 feet
Is well Dry? NO
If so Dry at: —

Stabilization *

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
8:13			6.44	879	5.2	10.42	265.6	
8:18	39.65	0.65	6.44	548.0	5.6	9.83	256.4	
8:23	39.65	0	6.45	445.8	6.2	9.21	246.6	
8:28	39.65	0	6.45	371.5	6.2	9.24	241.9	0.14 GPM
8:33	39.65	0	6.46	372.2	6.2	9.10	238.8	
8:38	39.65	0	6.46	368.2	6.2	8.45	237.0	
8:43	39.65	0	6.46	367.8	6.2	9.25	235.4	
		TOTAL 0.65						

Sample Method: Low Flow
Rate (gpm): ~0.03 * Flow rate at stabilization (during sample collection)
Time Start: 8:13 Time End: 8:43

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.46	±0.1	Y / N	
Conductivity	367.8	3%	Y / N	
Temp (deg C)	6.2	3%	Y / N	
Dissolved Oxyge	9.25	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	235.4	±10	Y / N	
DTW Stabilized	39.65	feet	Y / N	
Final H2O level	39.65	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) N
* See Field Volume Guide
If yes, required pump vol (gal): 0.69 following stabilization
Actual vol. pumped (gal) ~1

O/G visible: Y / (N)
Equipment Decontaminated: ~~Y / N~~
Turbid? Y / (N)
Decontamination procedure used: Dedicated Pump

Weather: 31° Clear, Windy
Signature:

Volume Calculations:

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

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

Show Calculations:

0.65 drawn down
0.4 + 0.29 = 0.69
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

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

Date: 4-18-24
Quarter: 2
Well ID: GVMW-10
Well Depth (TD): 245.5 feet

Is well Dry? Yes If so Dry at: 245.5

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:12								NO Sample 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)
following stabilization
* See Field Volume Guide

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

Decontamination procedure used: use sounder

Weather: 38° clear, windy

Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 93.9
Is well Dry? —
Date: 4-10-24
Quarter: 2
Well ID: GVMW-15A
Well Depth (TD): 820
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
1:41			6.08	130.3	5.2	8.51	152.1	
1:46	94.75	0.85	6.24	130.6	5.0	7.48	124.3	
1:51	94.85	0.1	6.36	131.0	4.2	7.41	110.8	
1:56	94.9	0.05	6.40	130.9	4.2	6.76	107.8	
2:01	94.9	0	6.40	130.6	4.5	6.34	93.8	0.22 4m 79
2:06	94.9	0	6.42	130.8	4.8	5.60	82.1	
2:11	94.9	0	6.38	130.6	4.8	5.96	71.8	
2:16	94.9	0	6.38	130.2	4.8	5.32	66.5	
2:21	94.9	0	6.34	130.1	4.8	5.25	60.7	
		Total 1'						

Sample Method: Low Flow
Rate (gpm): ~0.05 * Flow rate at stabilization (during sample collection)
Time Start: 1:41 Time End: 2:21

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.39	±0.1	Y / N	
Conductivity	130.1	3%	Y / N	
Temp (deg C)	4.8	3%	Y / N	
Dissolved Oxygen	5.25	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	60.7	±10	Y / N	
DTW Stabilized	94.9	feet	Y / N	
Final H2O level	94.9	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
* See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 1.47
Actual vol. pumped (gal): ~3 gal

O/G visible: Y / N
Equipment Decontaminated: Y / N
Turbid? Y / N slight
Decontamination procedure used: triple rinse w/liquinox

Weather: 38°, Cloudy, warm
Signature:

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

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

Show Calculations:
0.9 drawdown 0.7 + 0.77 = 1.47 use 5 gal bucket

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

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: D. Barela
Static Water Level (DTW): 83.7
Date: 4-4-24
Quarter: 2
Well ID: GVMW-15B
Well Depth (TD): 102
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
1:25			4.47	468.7	5.7	4.53	174.0	
1:30	83.95	0.25	4.41	462.9	6.2	2.95	158.9	
1:35	83.95	0	4.38	460.8	6.4	2.69	151.7	
1:40	83.95	0	4.37	458.2	6.5	2.68	144.3	0.50 L/m
1:45	83.95	0	4.36	458.3	6.5	2.70	143.0	
1:50	83.95	0	4.36	460.7	6.6	2.86	142.9	
1:55	83.95	0	4.36	462.2	6.6	2.83	144.6	
		Total 0.25'						

Stabilization ✓ ✓ (68)

Sample Method: Low Flow Rate (gpm): ~0.13 Time Start: 1:25 Time End: 1:55
* Flow rate at stabilization (during sample collection)

Final Parameters	Stabilization Guidance		Met?	Comments
pH	4.36	±0.1	Y / N	
Conductivity	462.2	3%	Y / N	
Temp (deg C)	6.6	3%	Y / N	
Dissolved Oxygen	2.83	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	144.6	±10	Y / N	
DTW Stabilized	83.95	feet	Y / N	
Final H2O level	83.95	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal) following stabilization: 0.77 Actual vol. pumped (gal): ~4
* See Field Volume Guide

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

Weather: 50°, clear, hot
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:
0.25 Drawdown 0.2 + 0.57 = 0.77 use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

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

Date: 4-2-24
Quarter: 2
Well ID: GVMW-16C
Well Depth (TD): 419

Is well Dry? Yes
If so Dry at: 419 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:44								Dry NO SAMPLE possibly blocked

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

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

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

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

Weather: 22°, cold, windy
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: D. Barela
Static Water Level (DTW): 3.4
Is well Dry? NO
If so Dry at: — feet

Date: 4-3-24
Quarter: 2
Well ID: GVMW-22A
Well Depth (TD): 70

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:51			7.33	358.7	5.2	4.24	202.8	
12:56	3.6	0.2	7.53	358.5	5.2	2.84	195.8	
1:01	3.7	0.1	7.64	358.7	5.1	2.70	186.4	0.12 um (1)
1:06	3.75	0.05	7.62	358.4	5.1	2.60	181.4	
1:11	3.8	0.05	7.63	359.1	5.0	2.56	177.9	
1:16	3.85	0.05	7.63	359.9	5.0	2.54	173.4	
1:21	3.85	0	7.63	358.7	5.0	2.58	172.3	
		10 gal 0.45'						

Sample Method: Low Flow
Rate (gpm): ~0.03 * Flow rate at stabilization (during sample collection)
Time Start: 12:51 Time End: 1:21

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.63	±0.1	Y / N	
Conductivity	358.7	3%	Y / N	
Temp (deg C)	5.0	3%	Y / N	
Dissolved Oxyge	2.58	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Red uction	172.3	±10	Y / N	
DTW Stabilized	3.85	feet	Y / N	
Final H2O level	3.85	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N * See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 0.7 Actual vol. pumped (gal) ~1.5

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

Weather: 48°, Clear, windy
Signature:

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

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

Show Calculations:
0.45 drawdown 0.3 + 0.40 = 0.7 Use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: J. Barela
Static Water Level (DTW): 6
Is well Dry? ND
If so Dry at: — feet

Date: 4-2-24
Quarter: 2
Well ID: GVMW-126G
Well Depth (TD): 25

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:54	6.1	0	6.20	121.1	4.7	15.20	200.9	

Sample Method: Low Flow
Rate (gpm): ~~5 to~~ ~0.1 * Flow rate at stabilization (during sample collection)
Time Start: 10:34 Time End: 10:54

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.20	±0.1	Y / N	
Conductivity	121.1	3%	Y / N	
Temp (deg C)	4.7	3%	Y / N	
Dissolved Oxygen	15.20	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	200.9	±10	Y / N	
DTW Stabilized	6.1	feet	Y / N	
Final H2O level	6.1	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N * See Field Volume Guide
If yes, required pump vol (gal): — following stabilization
Actual vol. pumped (gal) ~4.3

O/G visible: Y / N
Turbid? Y / N
Equipment Decontaminated: Y / N
Decontamination procedure used: Duplicate of GVMW-26B

Weather: 41°, clear, windy
Signature:

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

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

Show Calculations:
Used 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: J. Barela
Static Water Level (DTW): 3.1
Is well Dry? NO
If so Dry at: —
Date: 4-3-24
Quarter: 2
Well ID: GVMW-22B
Well Depth (TD): 30 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:57			6.47	363.7	5.2	5.40	210.5	
12:02	3.41	0.3	6.40	362.0	5.1	3.44	208.9	
12:07	3.6	0.2	6.42	359.5	5.1	3.86	197.7	
12:12	3.65	0.05	6.45	341.5	5.1	3.44	190.3	
12:17	3.65	0	6.46	398.6	5.1	5.04	186.1	1 L/m
12:22	3.75	1	6.45	244.8	5.1	5.53	185.3	
12:27	3.75	0	6.46	242.6	5.0	5.40	184.8	
12:32	3.75	0	6.46	241.5	5.0	5.21	184.7	
		total						
		0.65						

Stabilize

Sample Method: Low Flow
Rate (gpm): ~0.26 * Flow rate at stabilization (during sample collection)
Time Start: 11:57 Time End: 12:32

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.46	±0.1	Y / N	
Conductivity	241.5	3%	Y / N	
Temp (deg C)	5.29	3%	Y / N	
Dissolved Oxygen	5.21	10%	Y / N	
Turbidity	0	10%	Y / N	
Oxidation/Reduction	184.7	±10	Y / N	
DTW Stabilized	3.75	feet	Y / N	
Final H2O level	3.75	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: 4.37
Actual vol. pumped (gal): ~9.3

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

Weather: 43°, clear, windy
Signature:

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

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

Show Calculations:
0.65 drawdown
4.2 * 0.17 = 4.37
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Technician: P. Barela
Static Water Level (DTW):
Date: 4-2-24
Quarter: 2
Well ID: GVMW-24B
Well Depth (TD): 100 feet

Is well Dry? YES **If so Dry at:** 100

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
11:35						

No sample
Dry

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

Final Parameters	Stabilization Guidance		Met?	Comments
pH		0.1	Y / N	
Conductivity		3%	Y / N	
Temp©		3%	Y / N	
DTW Stabilized		feet	Y / N	
Final H2O level		feet		

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

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

Decontamination procedure used: use sounder

Weather: 43° clear, windy

Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 63.15
Date: 4-10-24
Quarter: 2
Well ID: GVMW-25
Well Depth (TD): 79 feet
Is well Dry? NO
If so Dry at: —

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:12			4.02	504.2	5.7	16.87	295.5	
11:17	63.25	0.1	4.01	509.4	5.8	13.81	332.2	
11:22	63.25	0	4.01	503.3	5.8	12.29	360.4	0.20 4m (50)
11:27	63.25	0	4.02	501.0	5.8	11.50	376.6	
11:32	63.25	0	4.02	500.2	5.9	11.90	393.2	
11:37	63.25	0	4.03	492.5	5.9	10.88	401.1	
		total 0.1						

Sample Method: Low Flow
Rate (gpm): ~0.05 * Flow rate at stabilization (during sample collection)
Time Start: 11:12 Time End: 11:37

Final Parameters	Stabilization Guidance		Met?	Comments
pH	4.03	±0.1	Y / N	
Conductivity	492.5	3%	Y / N	
Temp (deg C)	5.4	3%	Y / N	
Dissolved Oxyger	10.88	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	401.1	±10	Y / N	
DTW Stabilized	63.25	feet	Y / N	
Final H2O level	63.25	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) * See Field Volume Guide
If yes, required pump vol (gal): 0.55 following stabilization
Actual vol. pumped (gal) ~2

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

Weather: 38°, cloudy, warm
Signature:

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

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

Show Calculations:
0.1 + 0.45 = 0.55
0.1 draw down
Use 5 gal bucket

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Location: RB-0403

Date: 4-3-24

Technician: P. Barela

Quarter: 2

Time	pH (S.U.)	Cond (mS/cm)	Temp. (°C)	ORP (mV)
9:20	6.78	295.6	14.4	177.0

Sample Method: Grab

Oil/Gas visible [Y/N]

Turbid [Y/N]

Clear [Y/N]

Weather: windy, clear 41°

Signature:

Comments:

RB before sampling GVMW-26A

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 6.3

Date: 4-3-24
Quarter: 2
Well ID: GVMW-26A
Well Depth (TD): 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
9:48			7.20	301.0	4.3	3.42	153.3	
9:53	6.3	0	7.63	298.2	4.6	3.03	146.7	
9:58	6.3	0	7.66	298.3	4.8	2.72	142.4	
10:03	6.3	0	7.67	298.6	4.8	2.69	139.7	0.17 gpm
10:08	6.35	0.05	7.67	297.9	4.8	2.70	140.1	
10:13	6.35	0	7.67	298.0	4.8	2.63	137.6	
		10ft 0.05						

stabilization *

(8)

Sample Method: Low Flow
Rate (gpm): ~0.04 * Flow rate at stabilization (during sample collection)
Time Start: 9:48 Time End: 10:13

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.67	±0.1	Y / N	
Conductivity	298.0	3%	Y / N	
Temp (deg C)	4.8	3%	Y / N	
Dissolved Oxyger	2.63	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	137.6	±10	Y / N	
DTW Stabilized	6.35	feet	Y / N	
Final H2O level	6.35	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
* See Field Volume Guide
If yes, required pump vol (gal): — following stabilization
Actual vol. pumped (gal) ~1.0

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

Decontamination procedure used: Triple rinse w/ liquinox. Collected RB before sampling

Weather: 41°, clear, windy

Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: R. Barela
Static Water Level (DTW): 6
Date: 4-3-24
Quarter: 2
Well ID: GVMW-26B
Well Depth (TD): 25
Is well Dry? NO
If so Dry at: — feet

Stabilized

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:34			7.00	119.7	4.4	17.63	183.1	
10:39	6.1	0.1	6.49	119.0	4.5	16.16	187.9	
10:44	6.1	0	6.22	119.3	4.6	16.26	192.9	
10:49	6.1	0	6.21	120.0	4.7	16.70	195.1	0.68 L/m
10:54	6.1	0	6.20	120.4	4.7	15.97	194.6	
10:59	6.1	0	6.20	121.1	4.7	15.20	200.9	
		Total 0.1						

Sample Method: Low Flow
Rate (gpm): ~0.17 * Flow rate at stabilization (during sample collection)
Time Start: 10:34 Time End: 10:59

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.20	±0.1	Y / N	
Conductivity	121.1	3%	Y / N	
Temp (deg C)	4.7	3%	Y / N	
Dissolved Oxyge	15.20	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	200.9	±10	Y / N	
DTW Stabilized	6.1	feet	Y / N	
Final H2O level	6.1	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N * See Field Volume Guide
If yes, required pump vol (gal): — following stabilization
Actual vol. pumped (gal) ~4.3

O/G visible: Y / N
Turbid? Y / N
Equipment Decontaminated: Y / N
Decontamination procedure used: Triple rinse w/liquinox before sampling.
Collected duplicate
Weather: 41°, clear, windy
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy valley
Technician: B. Barela
Static Water Level (DTW):
Date: 4-2-24
Quarter: 2
Well ID: OSABH-12
Well Depth (TD): 39 feet

Is well Dry? Yes **If so Dry at:** 39

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
11:31						NO SAMPLE 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©		3%	Y / N	
DTW Stabilized		feet	Y / N	
Final H2O level		feet		

If Low Flow Method: 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: use scrubber

Weather: 43°, clear, windy

Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy valley
Technician: P. Barela
Static Water Level (DTW): —
Is well Dry? Yes If so Dry at: 28.7 feet

Date: 4-4-24
Quarter: 2
Well ID: OSABH-14
Well Depth (TD): 28.7

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	Notes
7:55						
				Dry		
						NO SAMPLE

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

Final Parameters	Stabilization Guidance		Met?	Comments
pH		0.1	Y / N	
Conductivity		3%	Y / N	
Temp©		3%	Y / N	
DTW Stabilized		feet	Y / N	
Final H2O level		feet		

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

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

Decontamination procedure used: Use scrubber

Weather: 31°, clear, cold

Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: ECOSA Road
Technician: P. Barela
Static Water Level (DTW): 40.2
Date: 4-18-24
Quarter: 2
Well ID: OSABH-16
Well Depth (TD): 40.2 feet
Is well Dry? YES
If so Dry at:

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:33								

NO Sample
Dry

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

Final Parameters	Stabilization Guidance		Met?	Comments
pH		±0.1	Y / N	
Conductivity		3%	Y / N	
Temp (deg C)		3%	Y / N	
Dissolved 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): 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: use sounder

Weather: 38°. Clear, windy
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Ecosa Road
Technician: P. Barela
Static Water Level (DTW): 15
Is well Dry? NO
If so Dry at: —
Date: 4-10-24
Quarter: 2
Well ID: OSABH-17
Well Depth (TD): 30 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:37			2.82	520.1	4.6	64.44	539.2	
12:42	15.15	0.15	2.85	515.6	5.0	43.66	542.2	
12:47	15.15	0	2.85	514.5	5.1	37.97	543.3	0.21 L/m (15)
12:52	15.15	0	2.86	516.6	5.1	33.30	546.2	
12:57	15.2	0.05	2.90	514.6	5.2	30.70	544.5	
1:02	15.2	0	2.91	512.8	5.2	29.23	541.9	
1:07	15.2	0	2.91	510.4	5.2	29.48	536.0	
		Total 0.2						

Stabilized

Sample Method: Low Flow Rate (gpm): ~0.05 Time Start: 12:37 Time End: 1:07
* Flow rate at stabilization (during sample collection)

Final Parameters	Stabilization Guidance		Met?	Comments
pH	2.91	±0.1	Y / N	
Conductivity	510.4	3%	Y / N	
Temp (deg C)	5.2	3%	Y / N	
Dissolved Oxygen	29.48	10%	Y / N	
Turbidity	—	10%	N / N	
Oxidation/Reduction	536.0	±10	Y / N	
DTW Stabilized	15.2	feet	Y / N	
Final H2O level	15.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): 0.17 Actual vol. pumped (gal) ~2
* See Field Volume Guide
following stabilization

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

Weather: 38°, Cloudy, warm
Signature:

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

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

Show Calculations:
0.2 drawdown 0.0 + 0.17 = 0.17
Use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Ecosa Road
Technician: P. Barela
Static Water Level (DTW): —

Date: 4-2-24
Quarter: 2
Well ID: OSABH-18
Well Depth (TD): 51.1 feet

Is well Dry? YES If so Dry at: 51.1

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:39								

NO SAMPLE / DRY

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

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

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

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

Decontamination procedure used: use sonder

Weather: 22°, cold, windy

Signature:

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

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

Show Calculations:

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

Location: Seep 1 **Date:** 4-30-2024

Technician: Brian Doering **Quarter:** 2nd

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
12:45 pm	2.54	16.21	15.6	542

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [(Y) / N]

Clear [Y (N)]

Weather: Sunny Windy

Signature:

Comments / Notes:

Steady flow ≈ 3 ft in Pond

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

Location: Seep 2 **Date:** 4-30-2024

Technician: Brian Doering **Quarter:** 2nd

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
12:10pm	2.63	4401	13°	513

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [(Y) / N]

Clear [Y / (N)]

Weather: Clear, Smoky, Windy

Signature: [signature]

Comments / Notes:

Recently Emptied Approximately 2 feet deep

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 4-16-24

Location: GV-02

Quarter: 2

Technician: R. Barela

Time	pH (S.U.)	Cond (µS/cm)	Temp. (°C)	ORP (mV)
11:00	6.30	412.4	0.4	1 x 100 = 100

ORP 226

Sample Method: Grab

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 43°, very windy, Cloudy

Signature:

Comments:

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 4-16-24

Location: GV-03

Quarter: 2

Technician: A. Barela

Time	pH (S.U.)	Cond (uS/cm)	Temp °C	Notes
10:35	6.71	221.2	1.2	1.5 x 100 = 150 ORP 251

Sample Method: Grab

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 40°, very windy, cloudy

Signature:

Comments:

Newmont Mining Co

Cripple Creek & Victor Gold Mining Co

Surface Water Sampling Log

Date: 4-15-24

Location: GV-06

Quarter: 2

Technician: R. Barela

Time	pH (S.U.)	Cond (uS/cm)	Temp. °C	Notes
1:45	6.57	189.2	2.1	ORP 171

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [(Y) / N] Slight dirt

Clear [(Y) / N]

Weather: 49° clear, windy

Signature:

Comments:

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

Location: EMP-16 **Date:** 4-30-2024

Technician: Brian Doering **Quarter:** 2nd

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
10:00 AM	4.02	636.7	9.0°	319

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: Mostly Sunny Warm

Signature: RCB

Comments / Notes:

Recent Snow

Current Snowmelt

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

Location: EMP-17 **Date:** 4-30-2024

Technician: Brian Doering **Quarter:** 2nd

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
10:50 AM	6.19	458.2	9.9°	344

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: Clear Sunny Warm Windy

Signature: [signature]

Comments / Notes:

Currently intaking Snow melt

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

Location: EMP - 17A **Date:** 4-30-2024

Technician: Brian Doering **Quarter:** 2nd

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:20 hrs	5.32	187.3	7.8°	278

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) N]

Weather: Clear, Sunny, Windy

Signature: R Doering

Comments / Notes:

Currently intaking Snow Melt.

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

Location: EMP - 17 B **Date:** 4-30-2024

Technician: Brian Doeng **Quarter:** 2nd

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:45 AM	4.29	1037	9.3	329

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: Clear Sunny Windy

Signature:

Comments / Notes:

Currently Not intaking runoff

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

Location: EMP-20 **Date:** 4-30-24

Technician: R. Barela **Quarter:** 2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
1:00	✓	✓	✓	✓

Sample Method: —

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: —

Signature:

Comments / Notes:

Dry

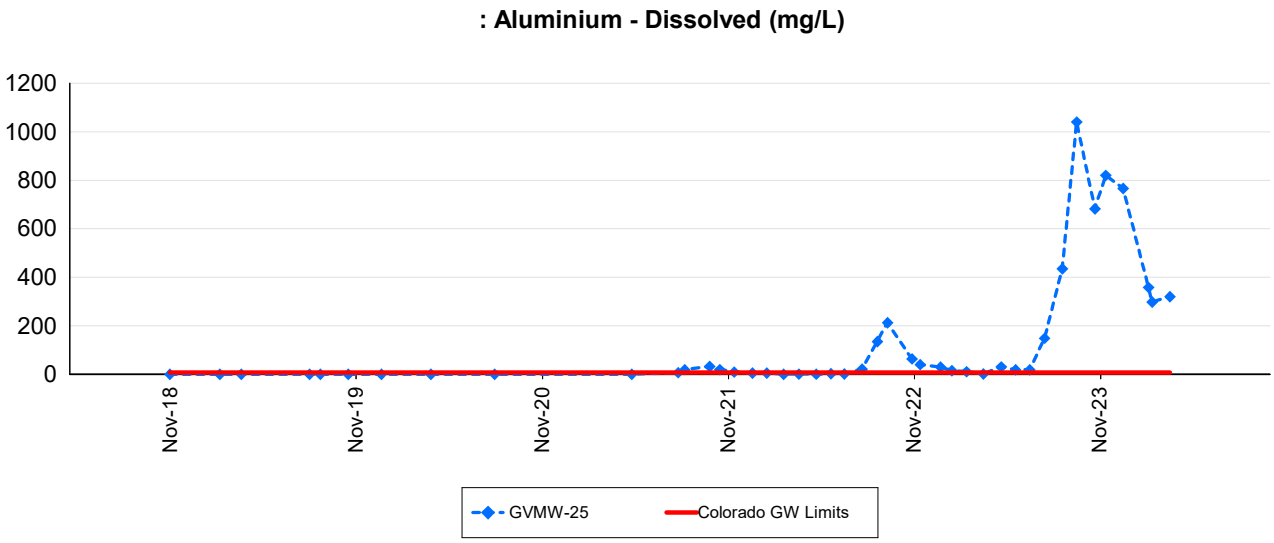
Newmont
NORTH AMERICA

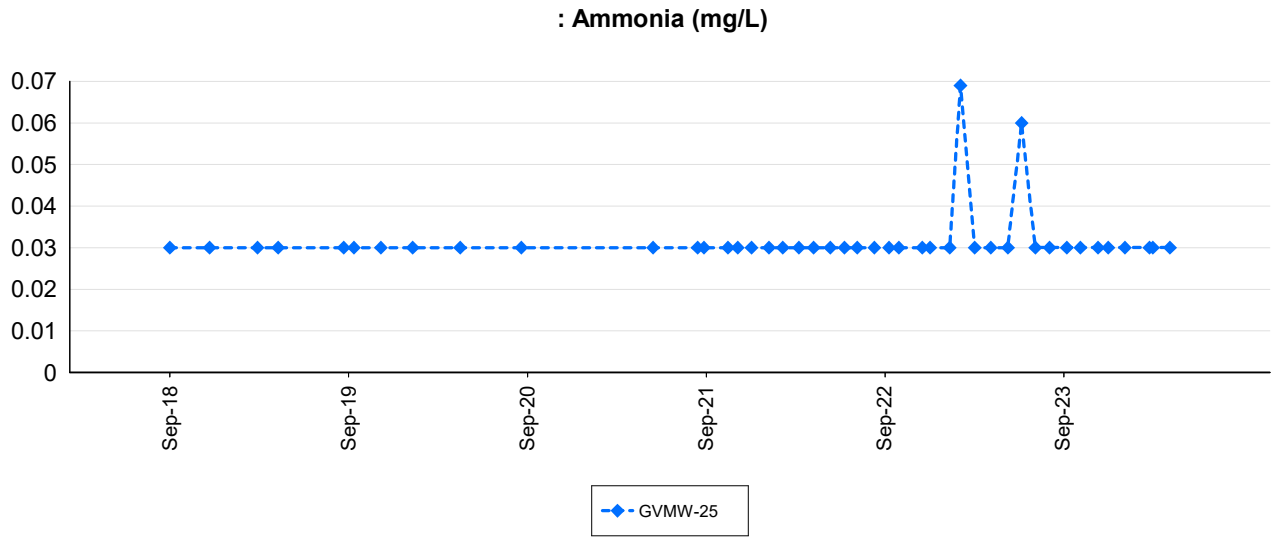
Cripple Creek & Victor
Gold Mining Company
P.O. Box 191
100 North 3rd Street
Victor, Colorado 80860

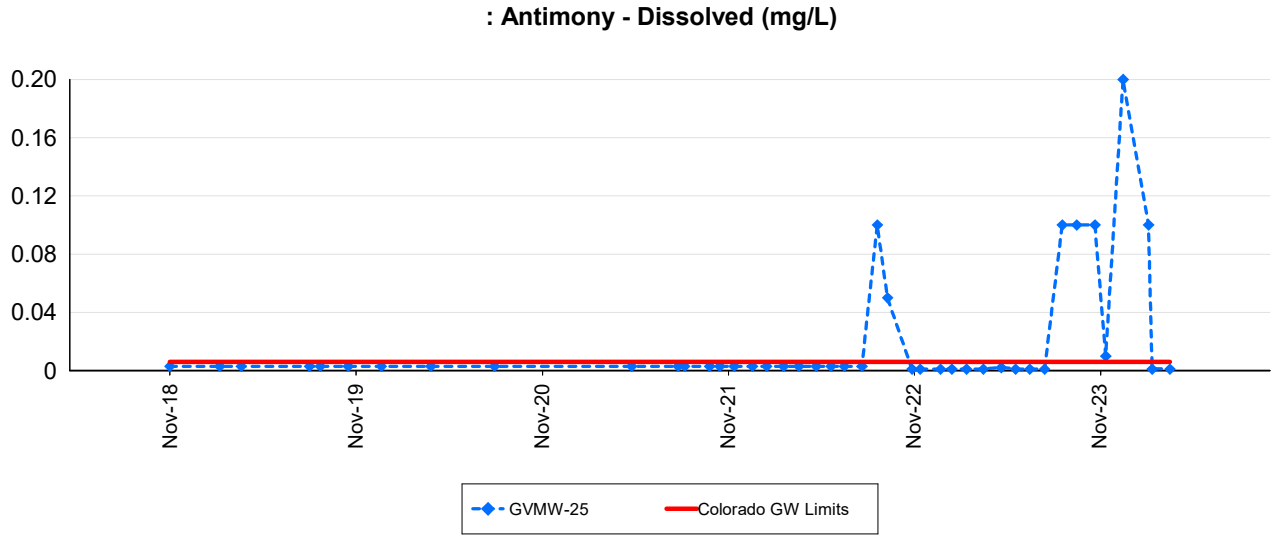
P 719.689.2977
F 719.689.3254
newmont.com

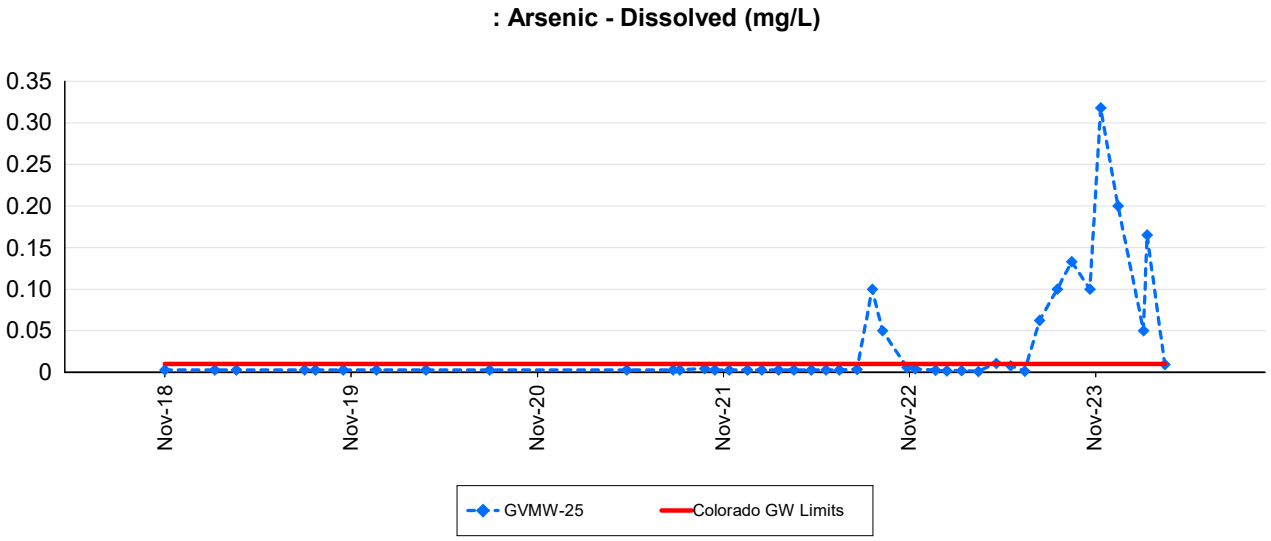
Attachment 4

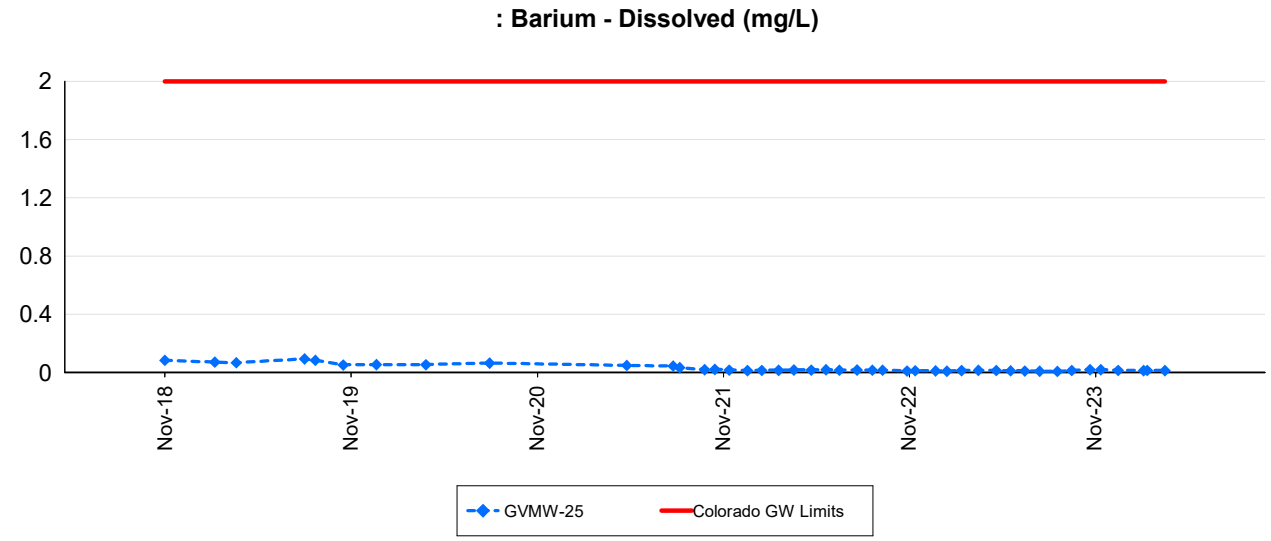
GVMW-25 Historical Graphs

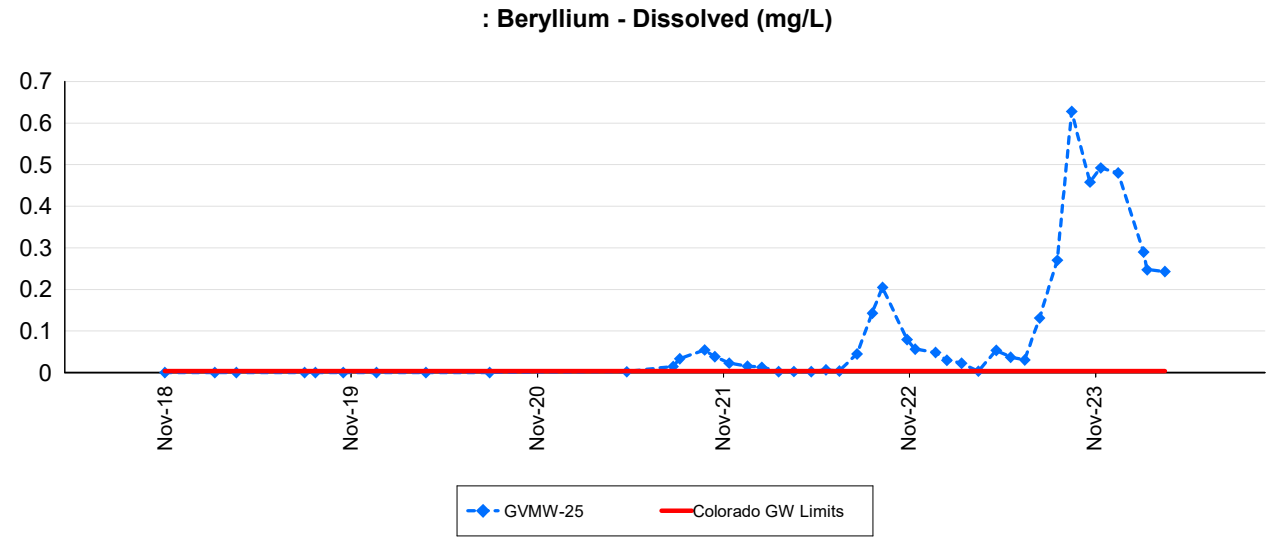




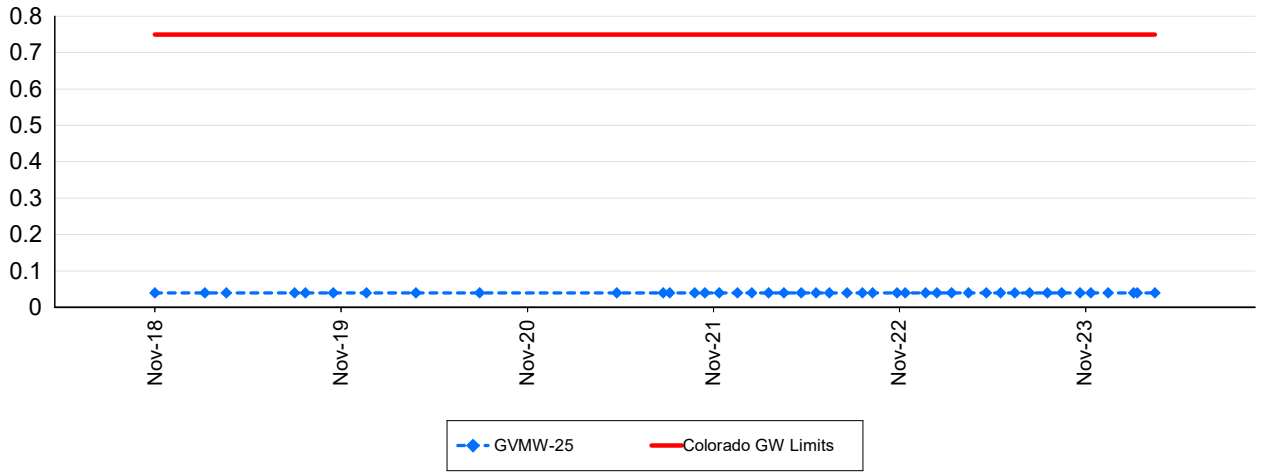




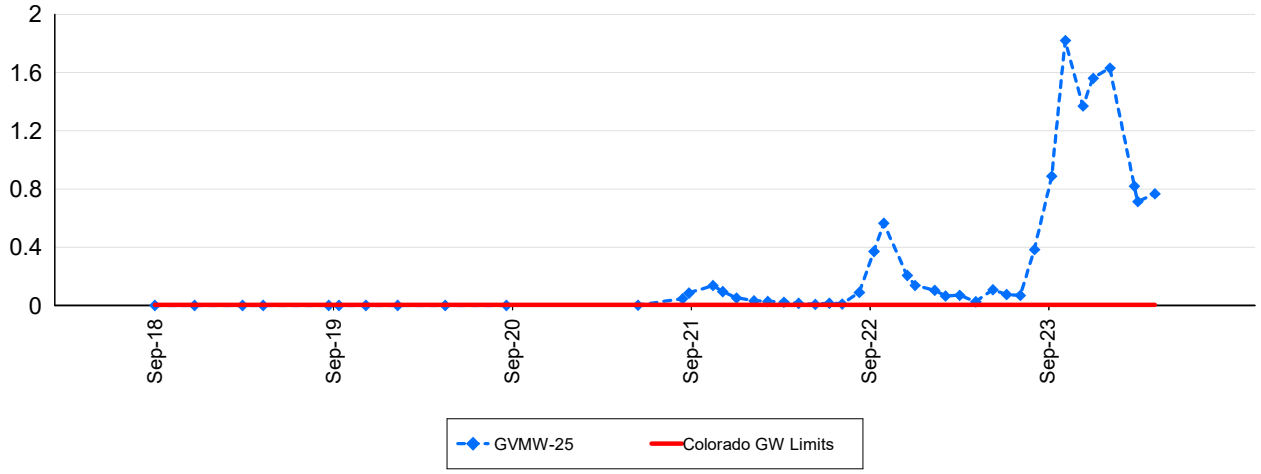




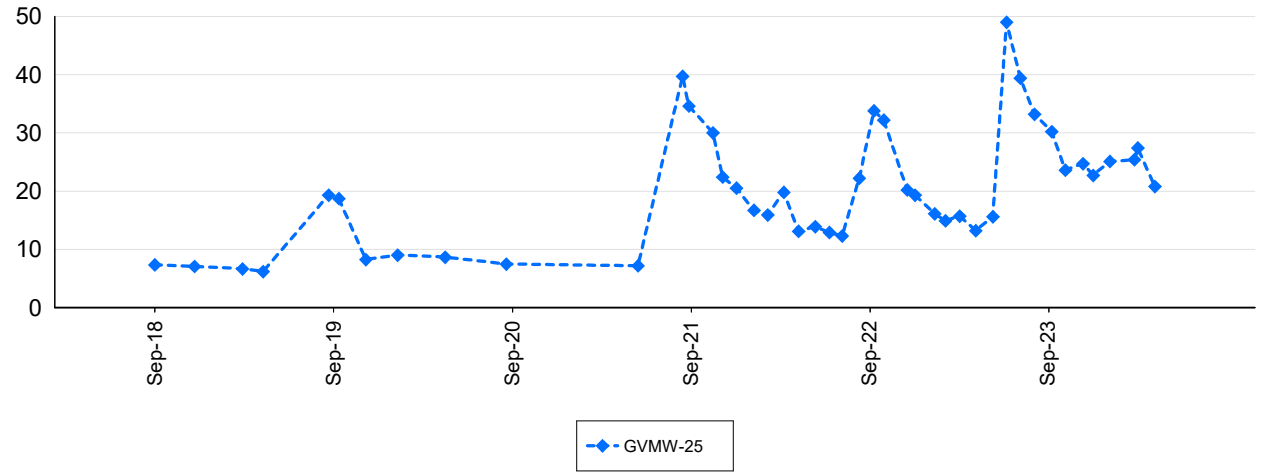
: Boron - Dissolved (mg/L)

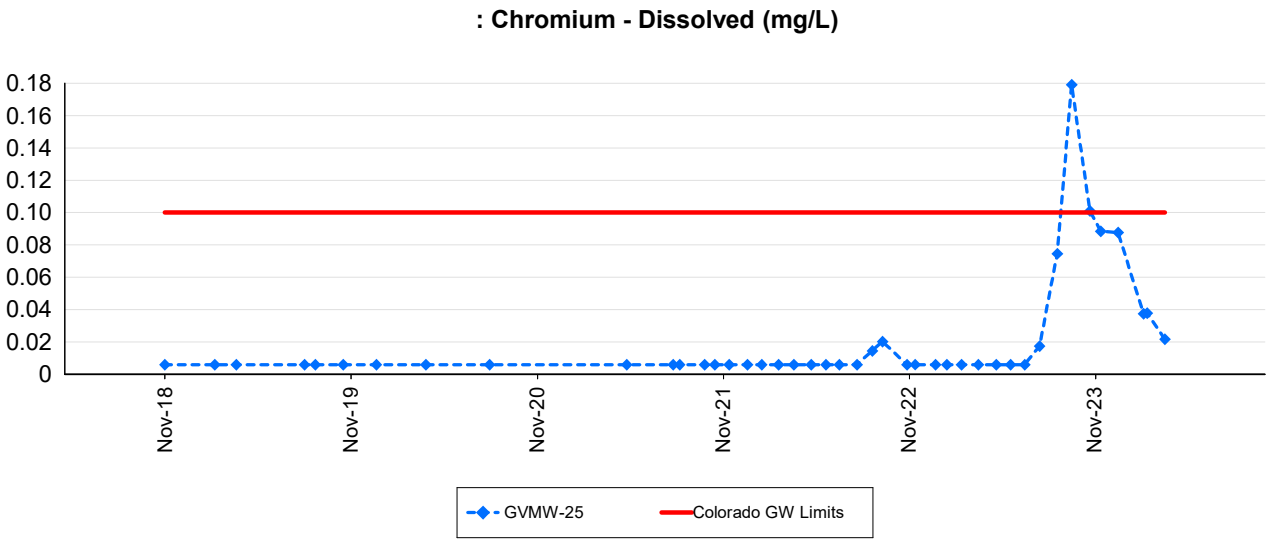


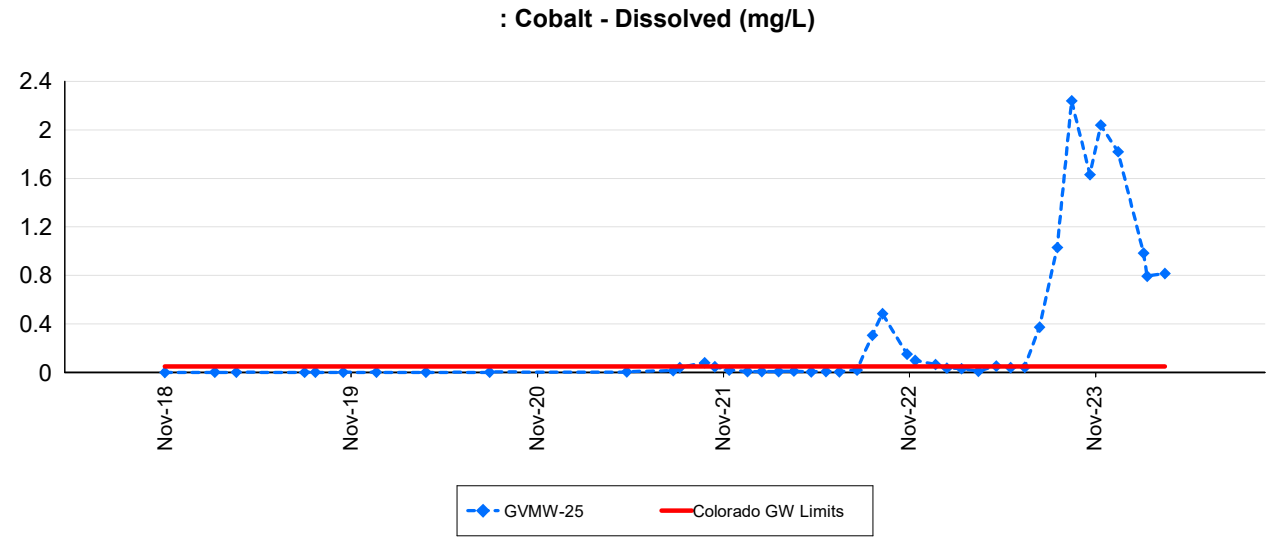
: Cadmium - Dissolved (mg/L)

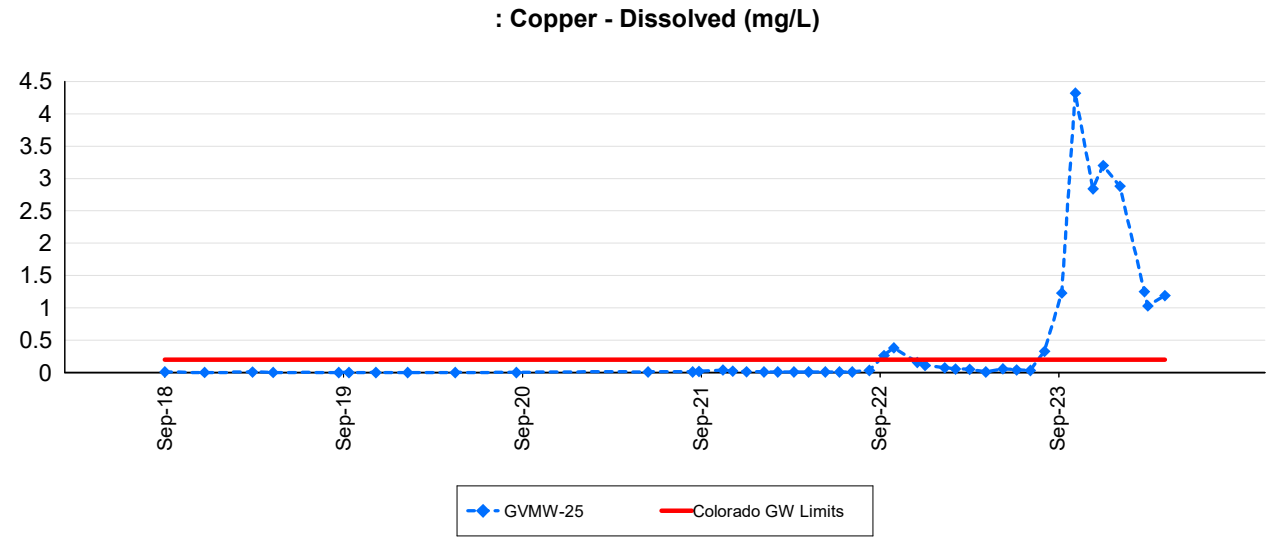


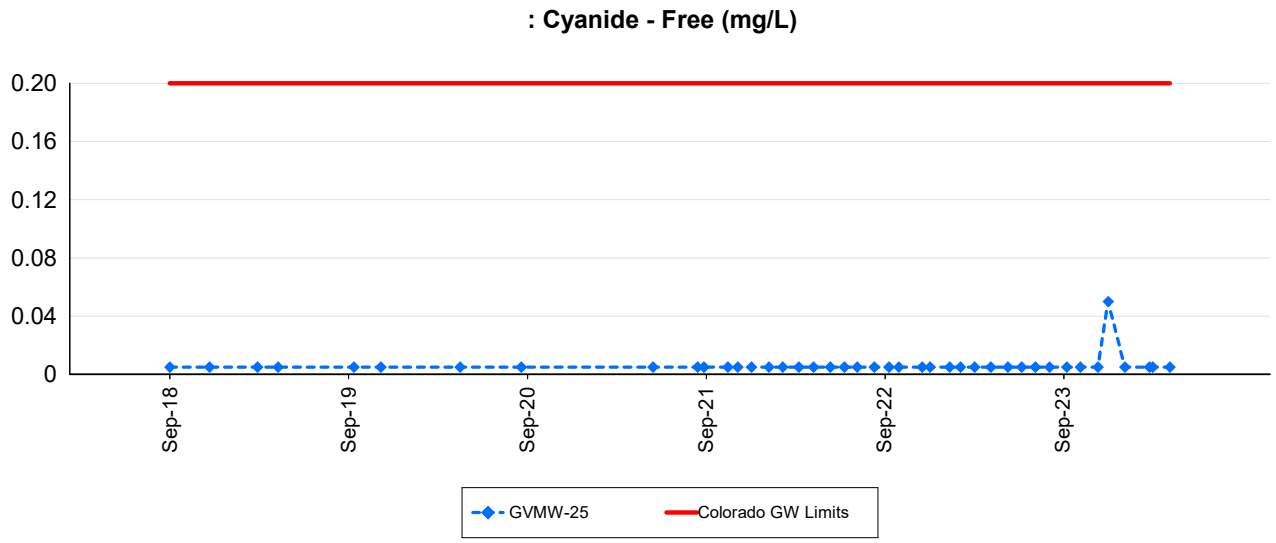
: Chloride - Total (mg/L)

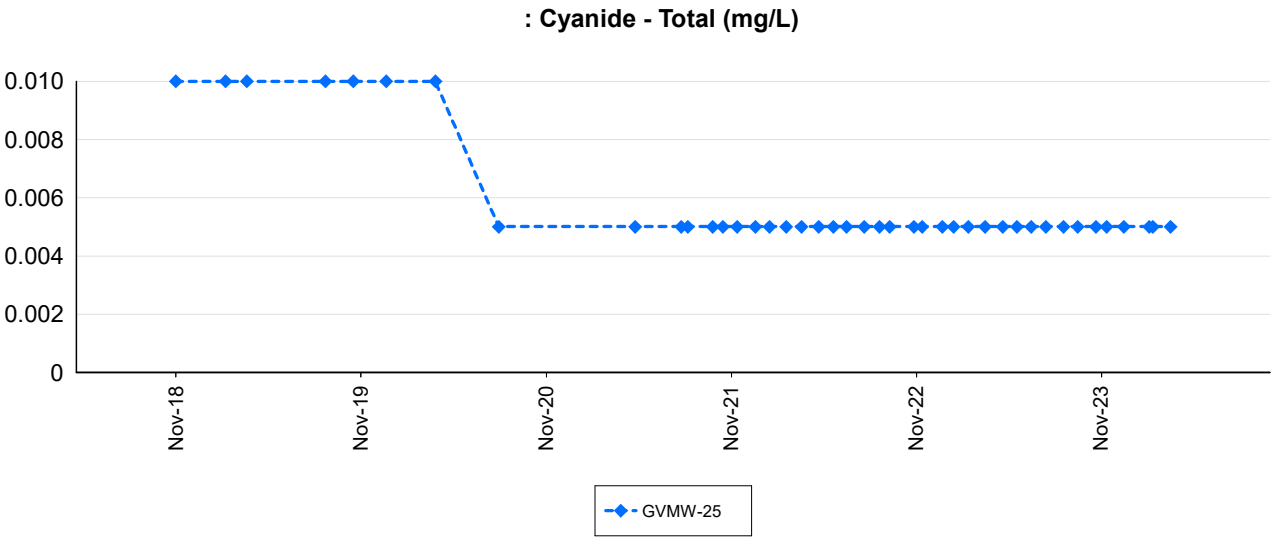


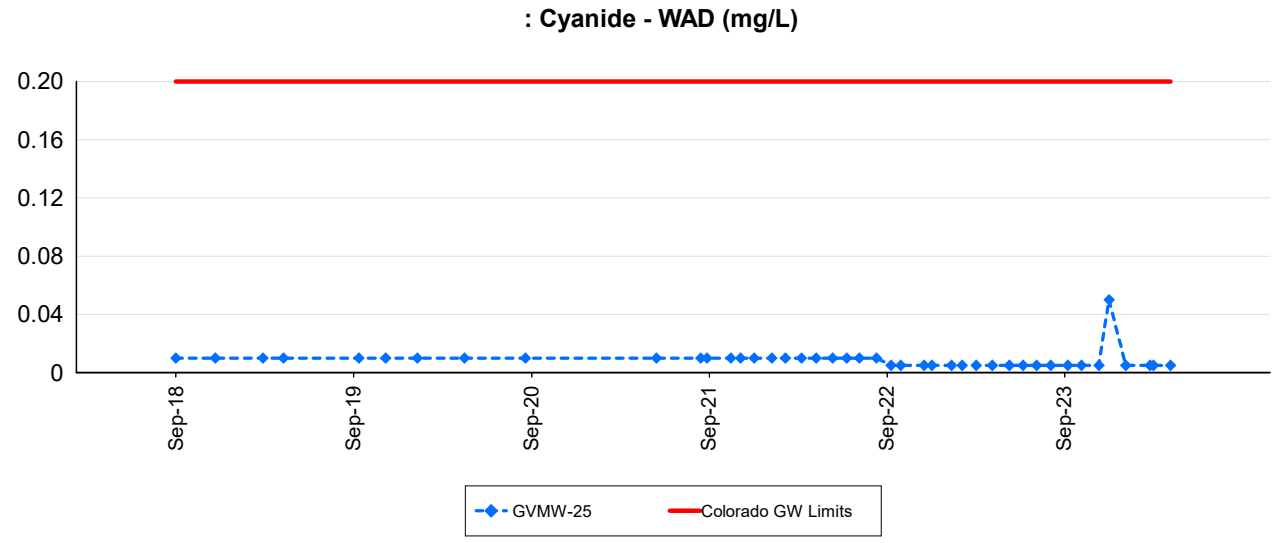


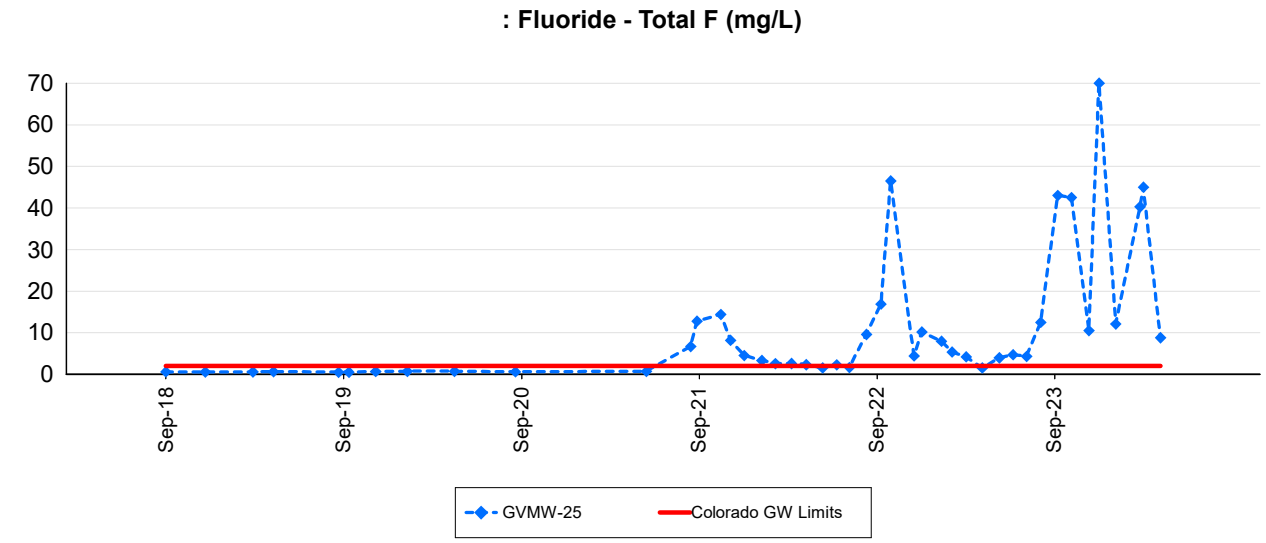


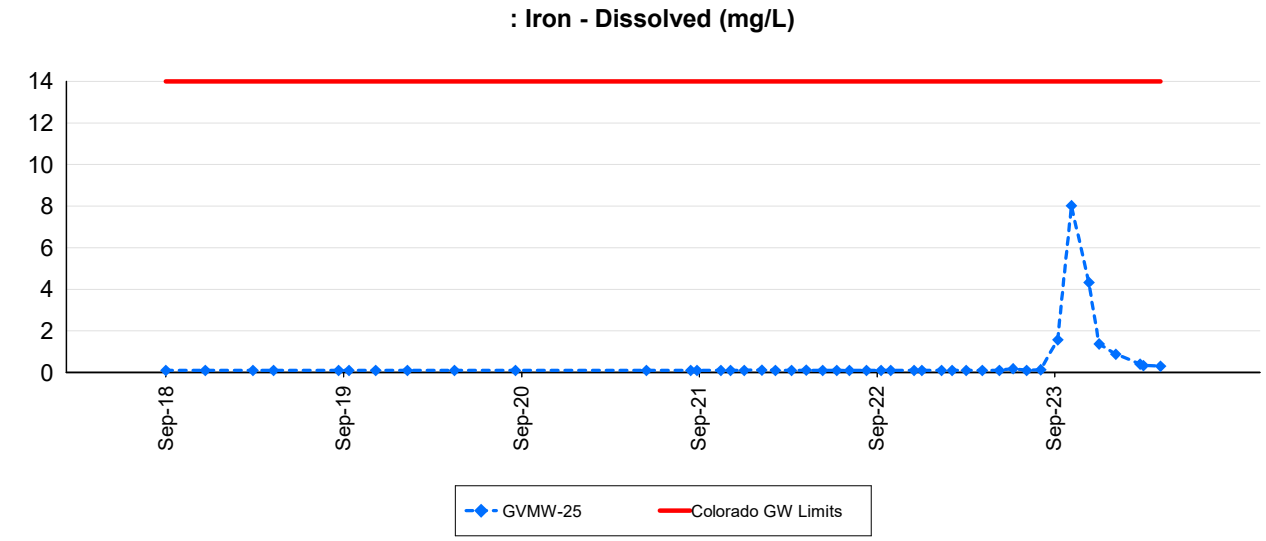


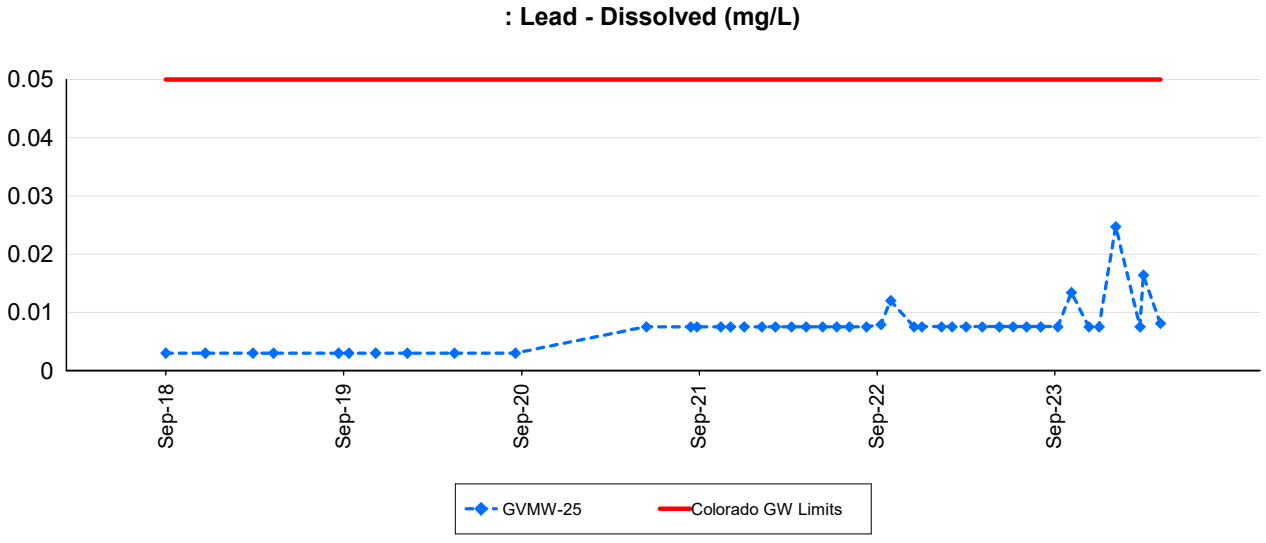


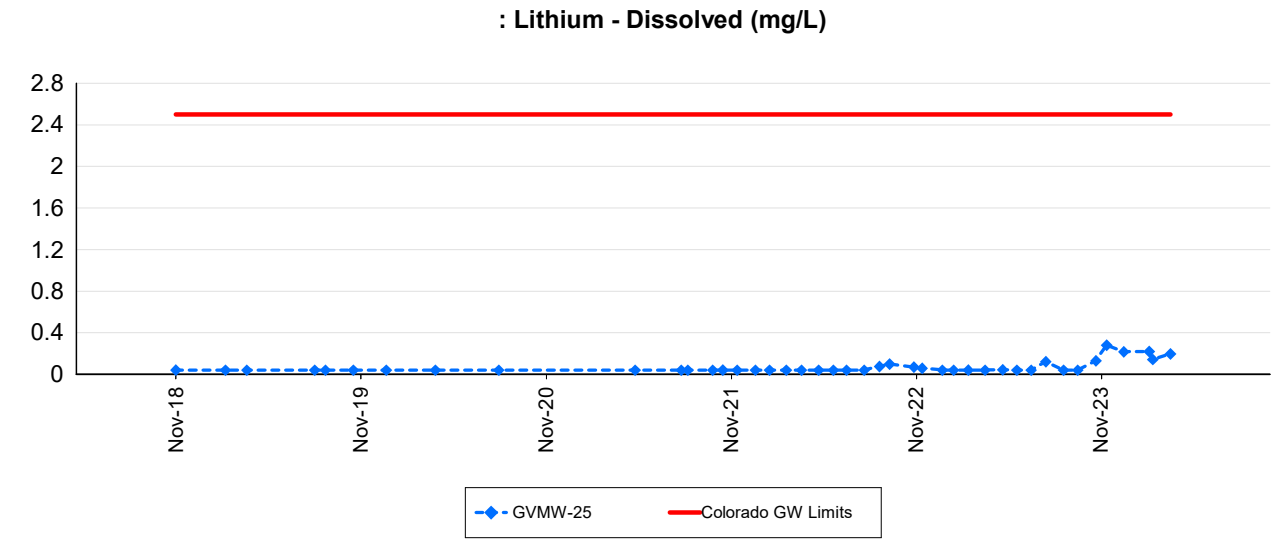


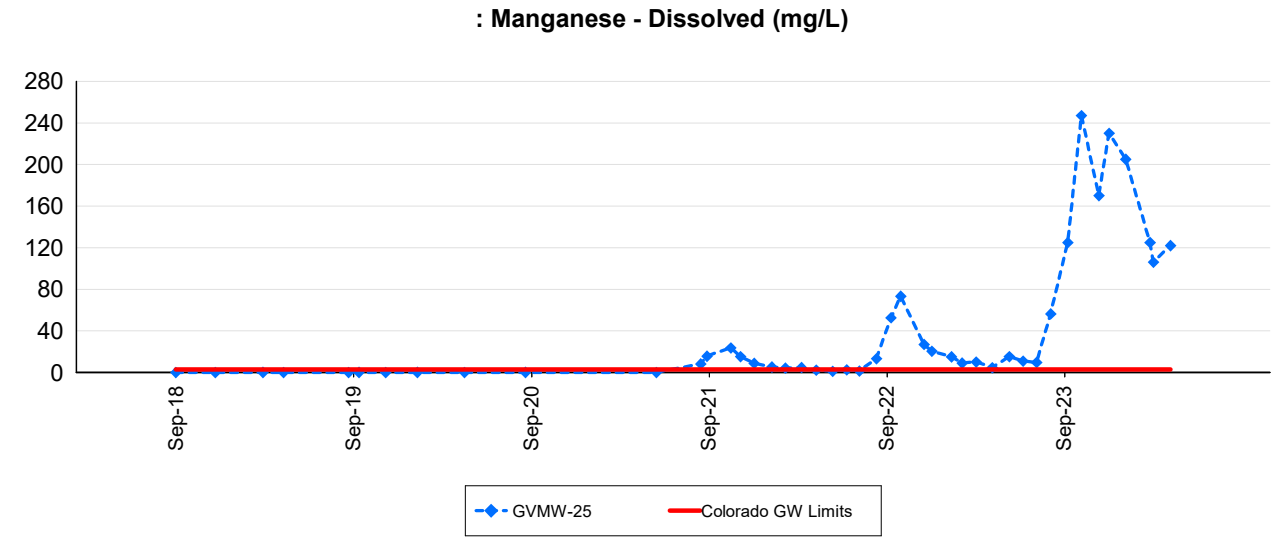


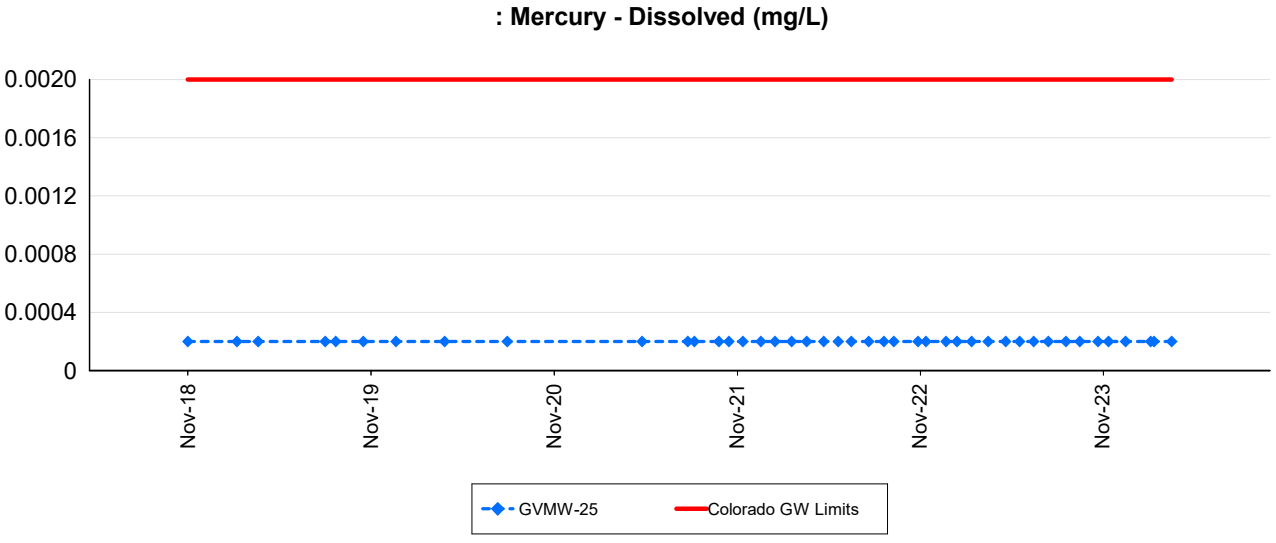


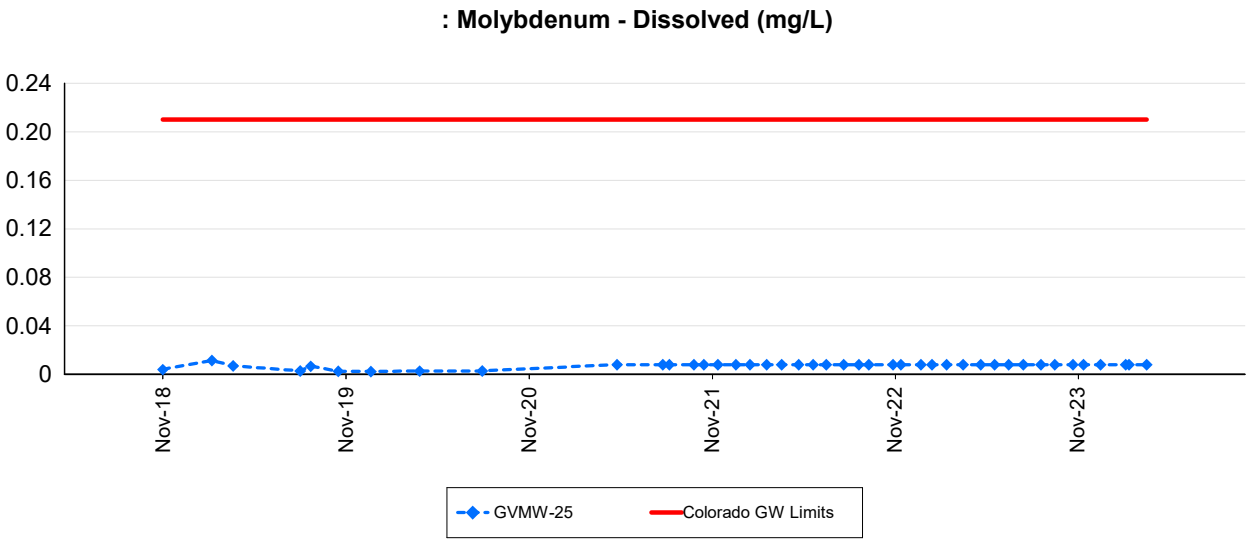


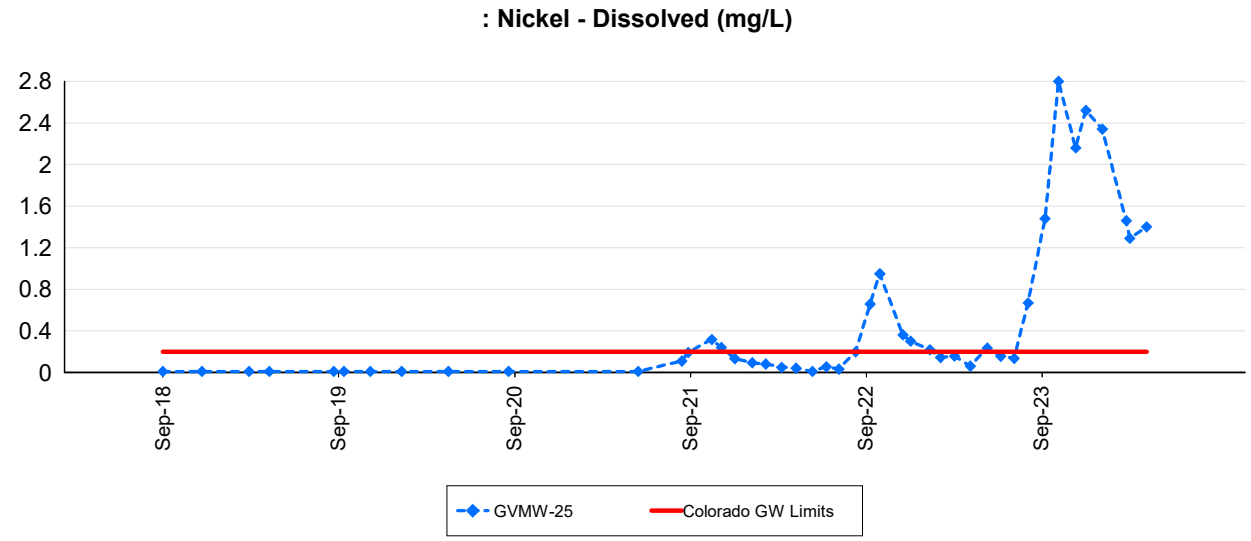


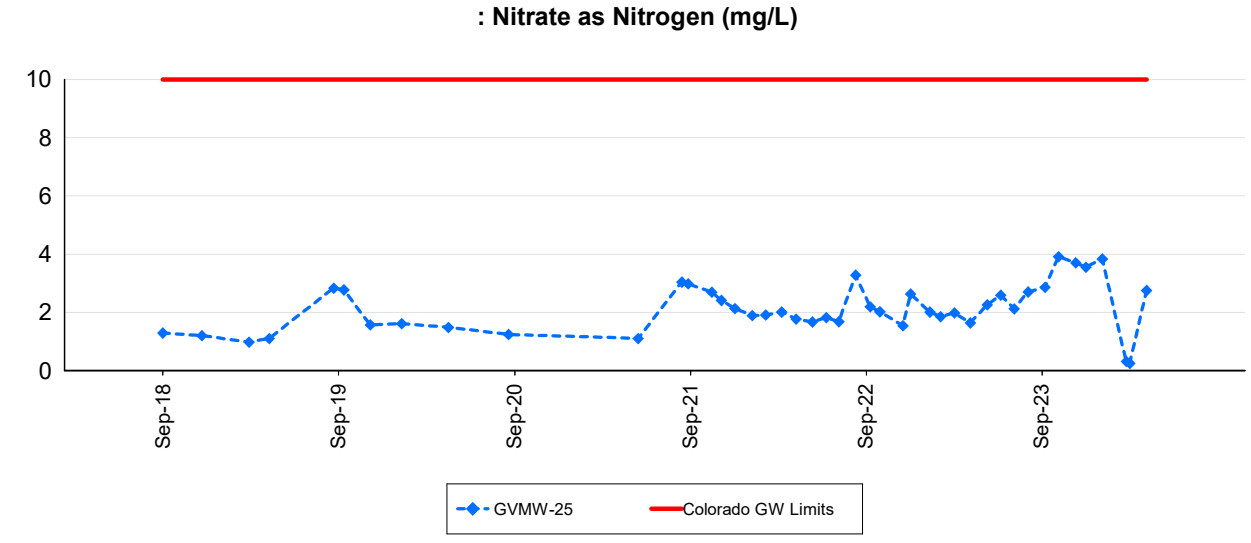




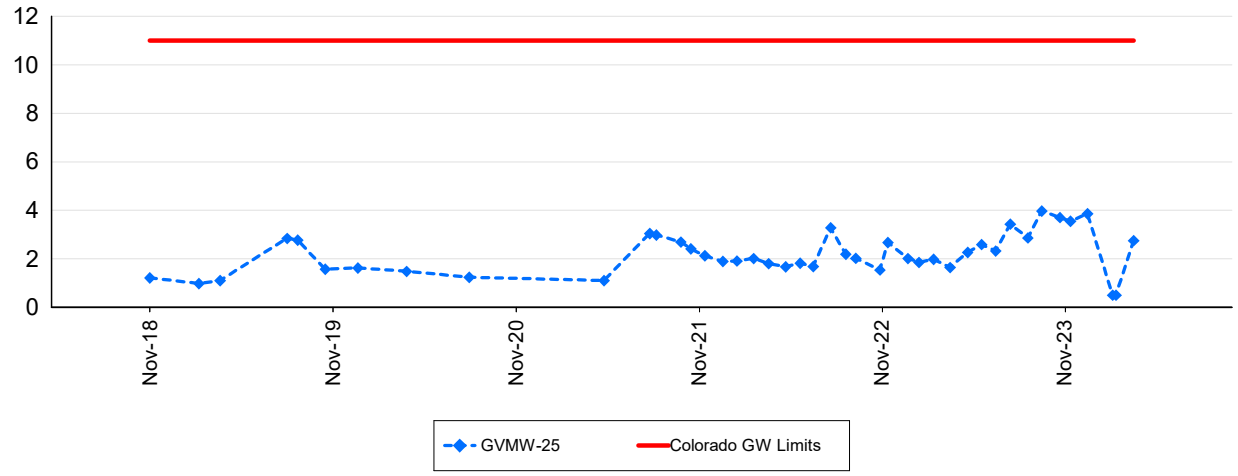




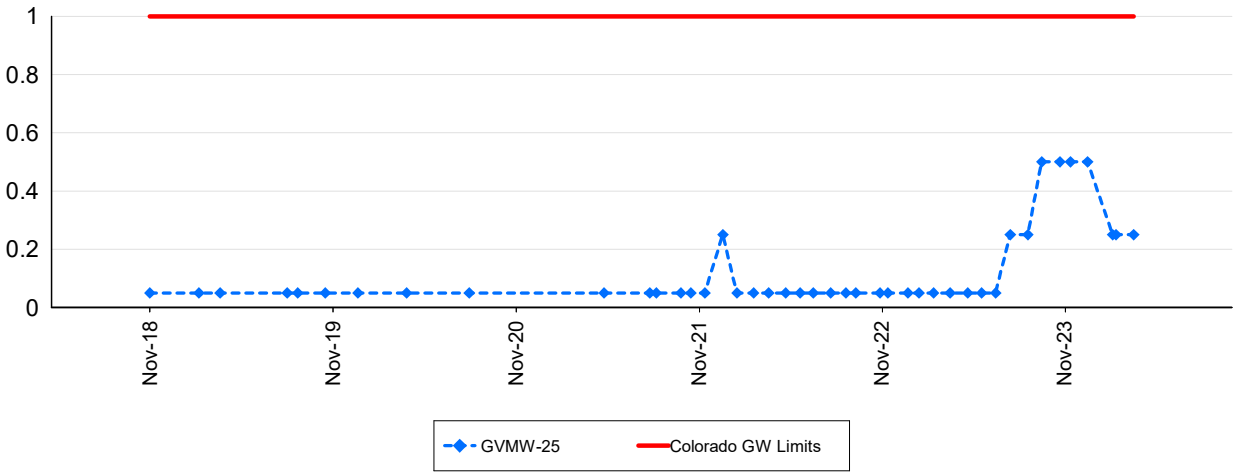




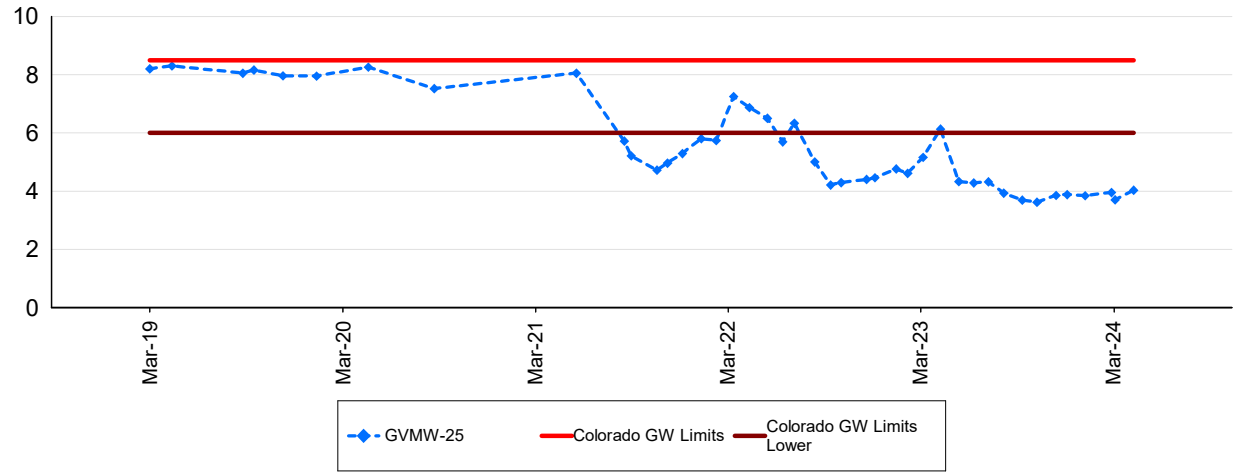
: Nitrite + Nitrate as Nitrogen (mg/L)

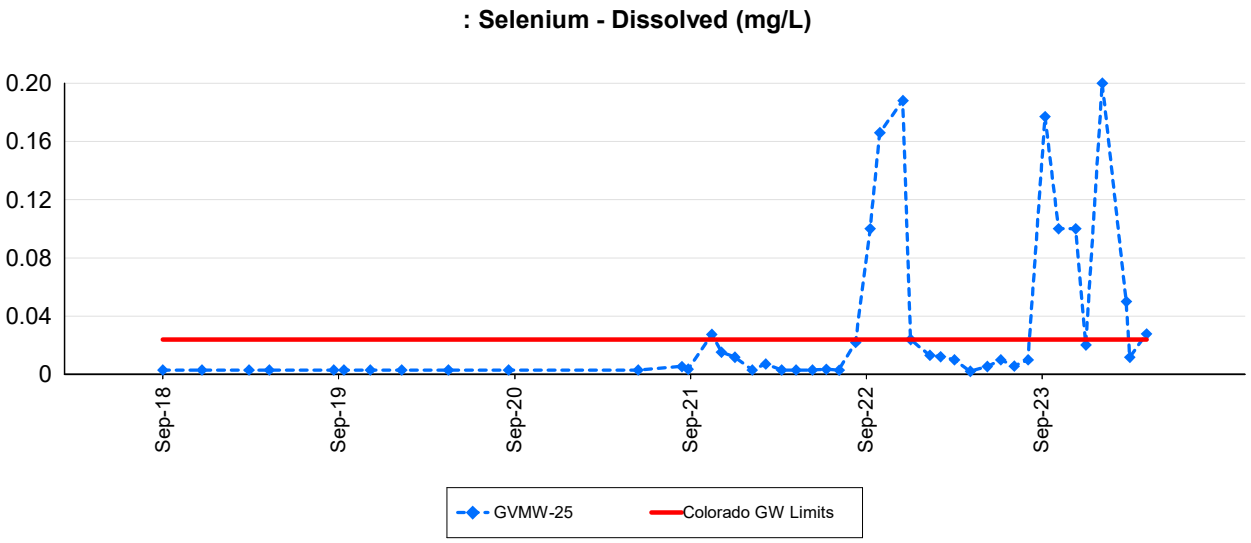


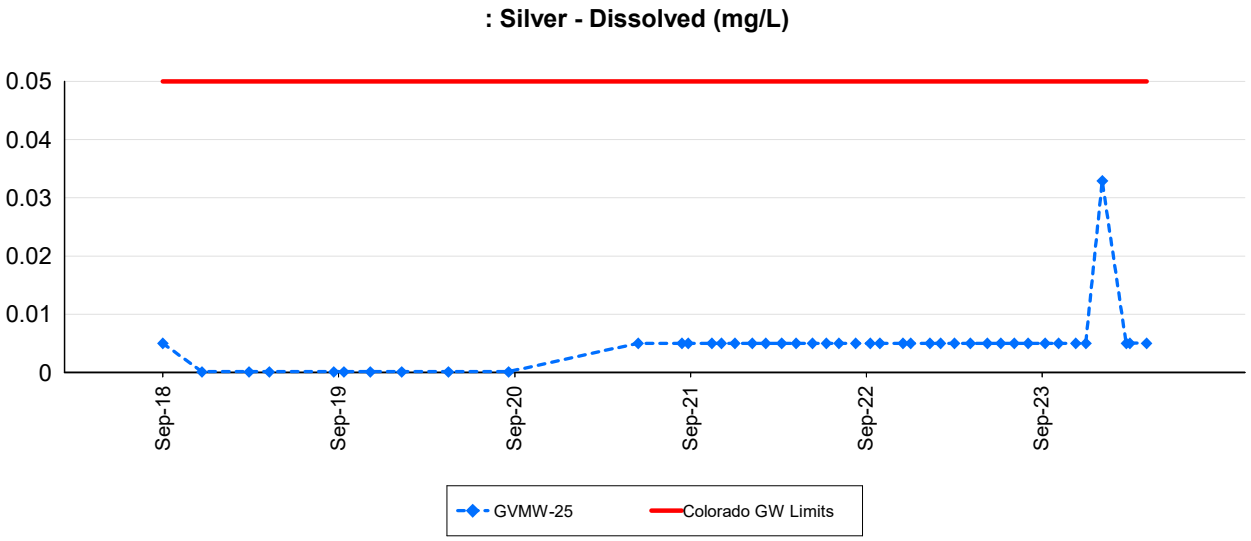
: Nitrite as Nitrogen (mg/L)

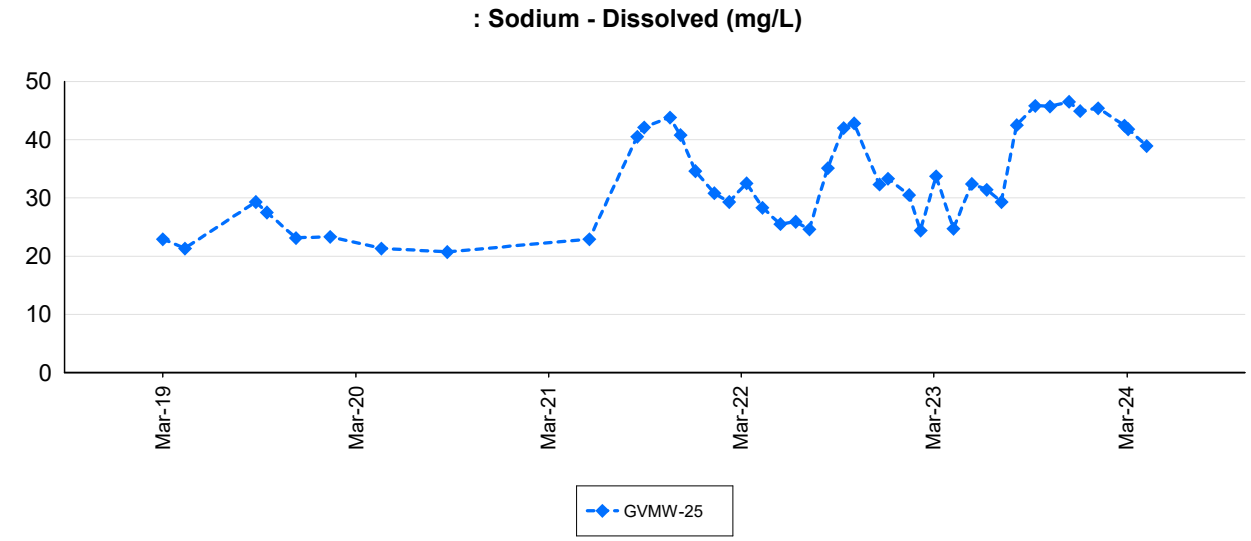


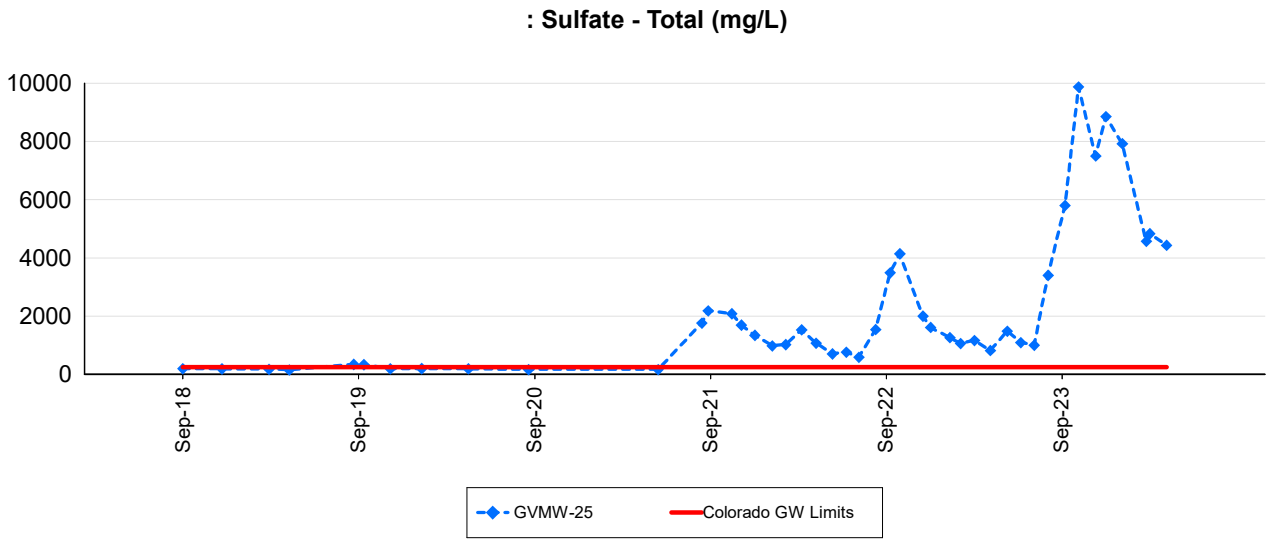
: pH Field (pH unit)

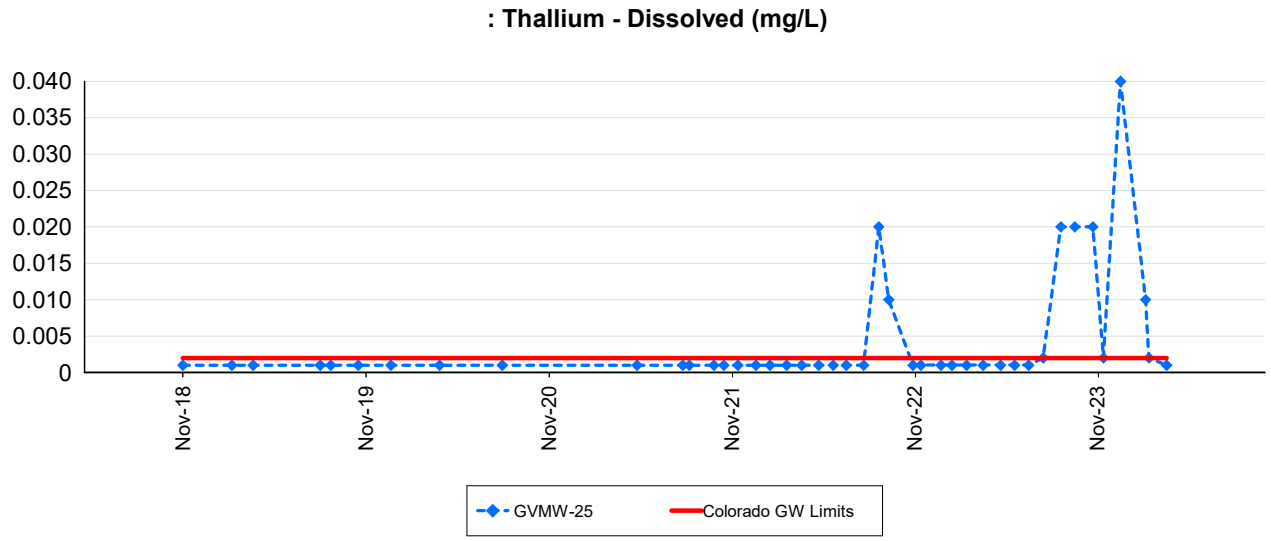


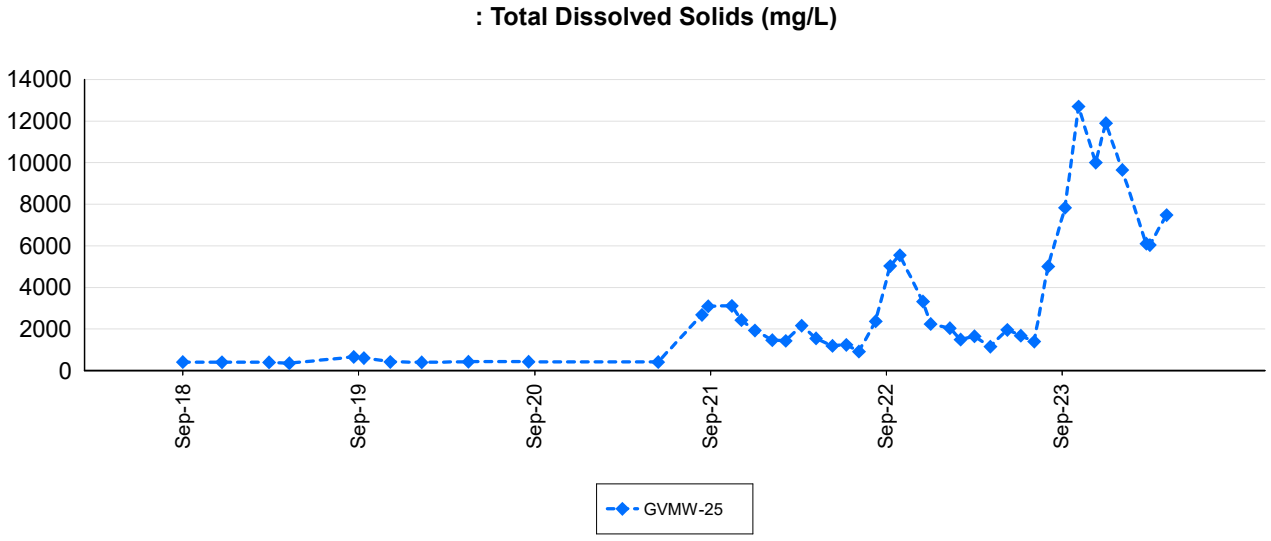




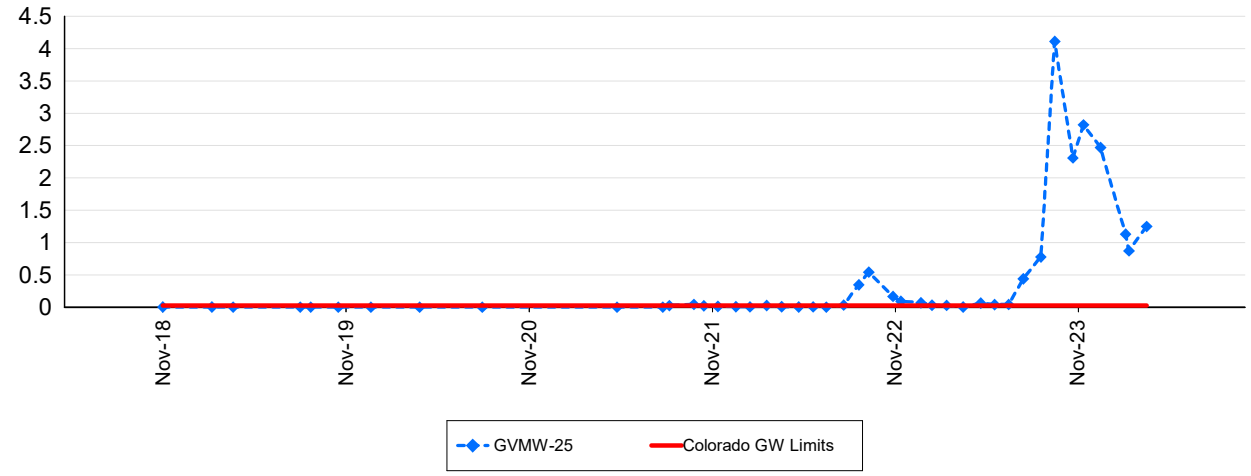




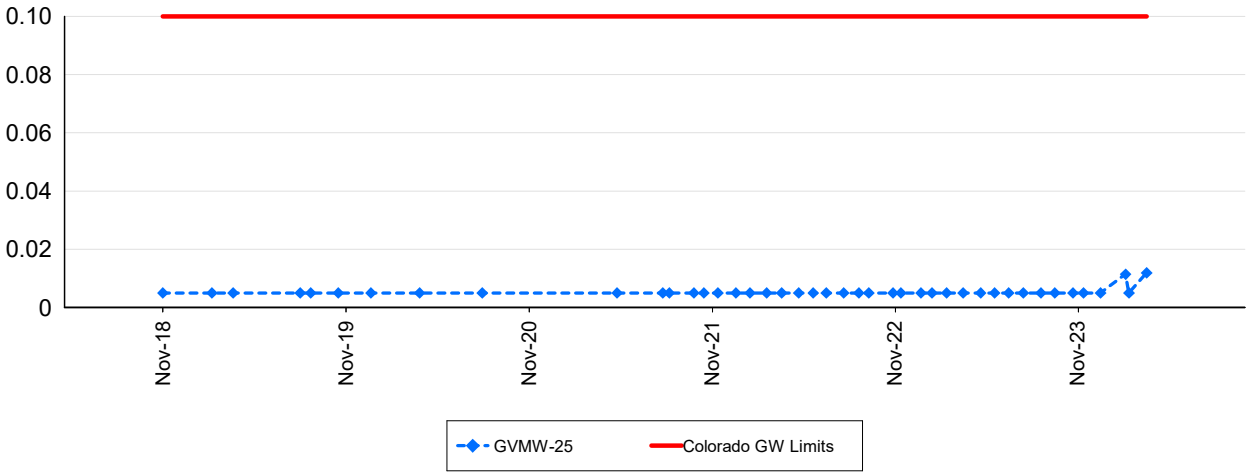




: Uranium - Dissolved (mg/L)



: Vanadium - Dissolved (mg/L)



: Zinc - Dissolved (mg/L)