Newmont
NORTH AMERICA

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

P 719.689.2977
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newmont.com

August 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 July 2024 Report Submission, August 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 requested by the Division of Reclamation Mining and Safety (Division), beginning in the fourth quarter 2021. The monthly monitoring report has been expanded in response to the *Corrective Actions Required; Grassy Valley GVMW-25 Monthly Sampling August 2022* issued to the Division on September 30, 2022. The monthly monitoring has been further expanded in response to the *Additional Information Required and Issuance of Corrective Action, Grassy Valley Groundwater and Surface Water Monitoring Report September 2023*, dated November 22, 2023. Data within this report has been collected as outlined in the Grassy Valley Monthly Monitoring Plan, approved as TR-132 by the Division on March 10, 2023.

METHODOLOGY

In July 2024, CC&V monitored all accessible and applicable groundwater and surface water locations and collected all possible samples as part of the Grassy Valley monitoring program.

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

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

- GVMW-15C and GVMW-24B were dry;
- OSABH-16 had insufficient water;
- OSABH-12, 14, and 18 were dry;
- EMP-16, EMP-17, EMP-17A, EMP-17B, EMP-17C, and EMP-020 were dry; and
- GV-02 and GV-03 were dry.

Groundwater Level Measurements

Prior to the collection of groundwater samples, depth to groundwater was measured using a Geotech™ water level indicator. The water level indicator was decontaminated with Alconox™ soap and rinsed with de-ionized water prior to each measurement to prevent cross contamination.

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Groundwater Sampling

CC&V utilized both dedicated and deployable pumps to purge water and collect groundwater samples. Samples were collected using either the low-flow, volumetric, or purge and return sampling methods described in the *Quality Assurance Project Plan (QAPP)* dated February 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 four quality assurance/quality control (QA/QC) samples in July 2024 (included in Attachment 1). Two duplicate samples and two rinse blank sample were collected per section 6.0 of the approved QAPP.

RESULTS

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

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 consistent results with prior conditions from June 2024 to July 2024. Ammonia, fluoride, and total nitrate/nitrite concentrations increased slightly as compared to June 2024. Uranium concentrations decreased slightly compared to June 2024. All other constituents remained consistent with the June 2024 results. Antimony, boron, cyanide, lead, mercury, molybdenum, silver, thallium, and vanadium concentrations were not detected in the July 2024 samples.

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Water quality monitoring results from wells GVMW-15B were consistent with previous records in shallow groundwater. At the shallow interval in GVMW-15B (total depth 102 feet bgs) the groundwater concentrations were higher than the Regulation 41 table value standards (The Basic Standards for Groundwater) for beryllium, cobalt, and nickel and was higher than the existing NPL's for iron and pH.

Water quality monitoring results from wells OSABH-17 were consistent with previous records in the shallow groundwater. Groundwater quality at OSABH-17 is similar to that observed at the surface seep locations.

GVMW-10 sulfate and uranium concentrations were higher than the Regulation 41 table value standards. GVMW-7B and GVMW-24A sulfate concentrations were higher than the table value standard. GVMW-8B and GVMW-22A fluoride concentrations were higher than the table value standard.

At the deeper well, GVMW-15A, iron concentrations were higher than the existing site-wide Numeric Protection Limits (NPLs). It should be noted that the sounded depth of the well (682 feet. bgs) is above the well completion report documented screen interval, thus 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 samplings results encountered during dewatering of the well.

A sample was collected from GVMW-4A during the July 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, thus 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-06, GV-4.5 and GV-05 monitoring locations in July of 2024 and samples were collected. Monitoring locations GV-03 and GV-02 did not have flowing water, and no samples were collected. Monitoring location GV-06 exceeded Regulation 32 standards (Classification and Numeric Standards for Arkansas River Basin) for phosphorus and total iron. Monitoring location GV-4.5 exceeded Regulation 32 standards (Classification and Numeric Standards for Arkansas River Basin) for phosphorus and iron (total and dissolved). Monitoring location GV-05 exceeded Regulation 32 standards for total iron.

All EMP were dry during the monitoring period and therefore no samples were collected.

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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
E. Russell
Z. Trujillo
K. Blake
J. Gonzalez
J. Adams
A. Matarrese

File: *"C:\Users\19012214\Newmont USA Limited\CC&V – S&ER Environmental - Environmental Compliance\Water\DRMS\Grassy Monthly\2024|7 – July 2024\Final"*

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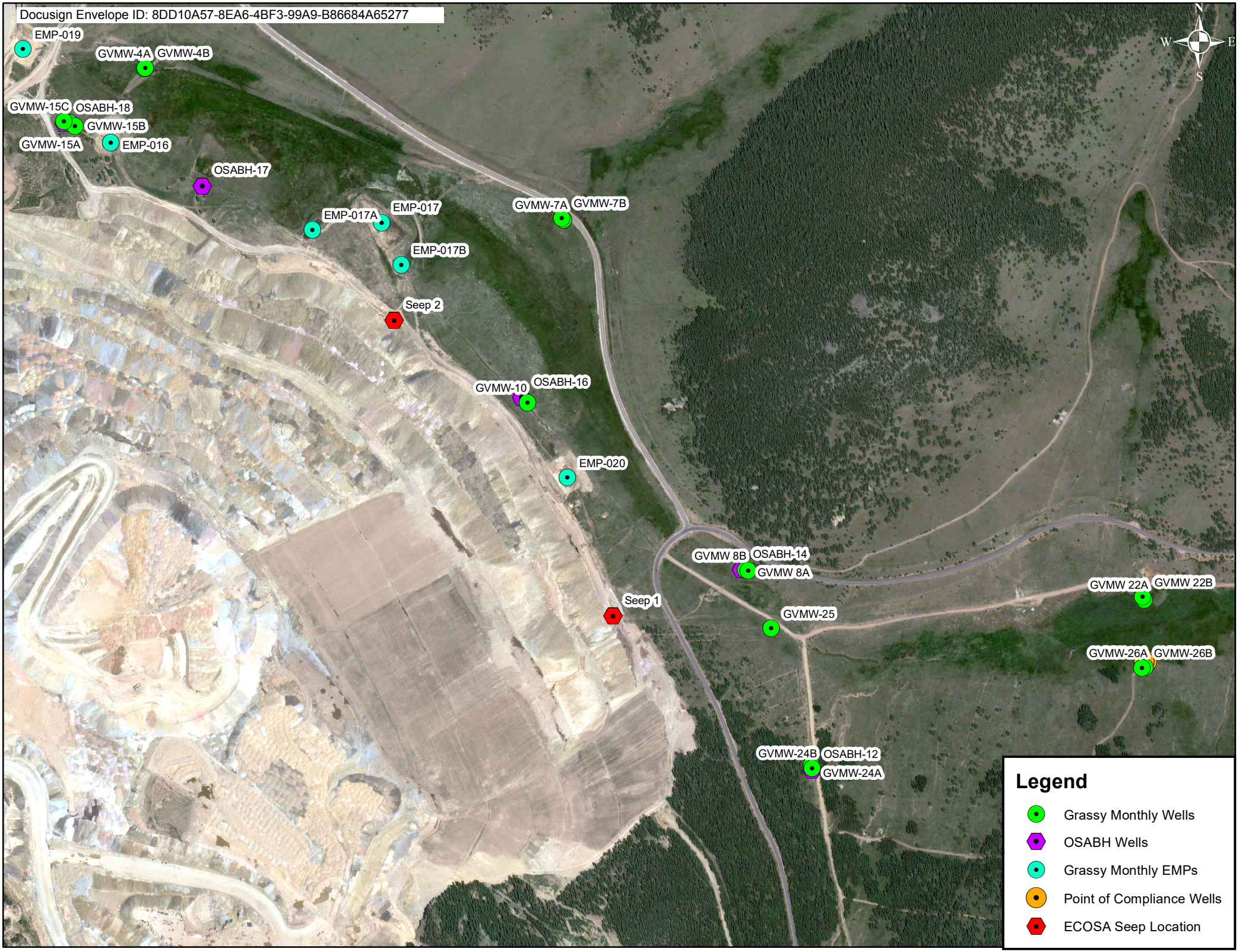
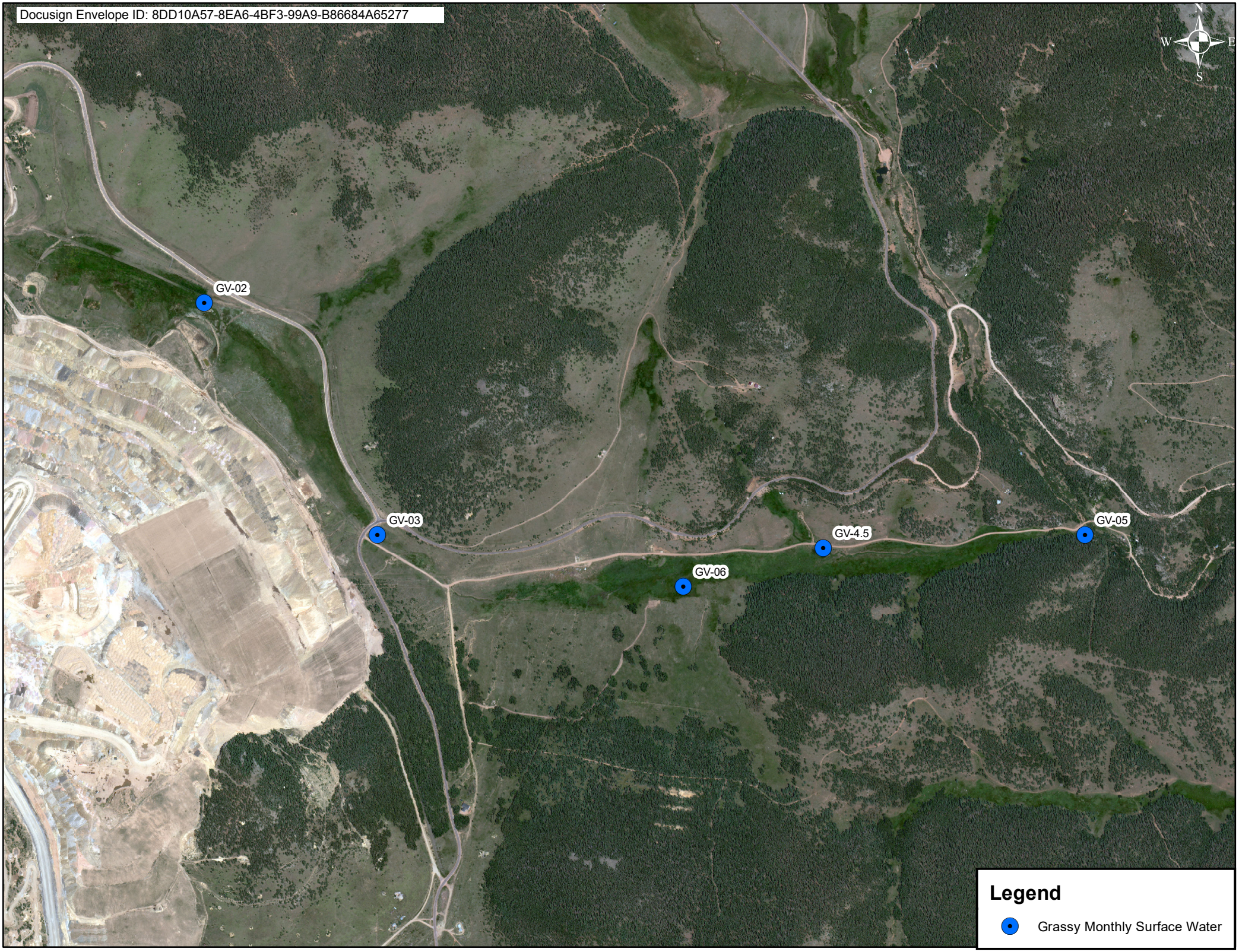
Figures





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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	7/11/2024	Sampled
GVMW-4B	NA	P&A
GVMW-7A	7/11/2024	Sampled
GVMW-7B	7/11/2024	Sampled
GVMW-8A	7/23/2024	Sampled
GVMW-8B	7/23/2024	Sampled
GVMW-10	7/31/2024	Sampled
GVMW-15A	7/11/2024	Sampled
GVMW-15B	7/11/2024	Sampled
GVMW-15C	7/11/2024	Dry at 419' bgs
GVMW-22A	7/9/2024	Sampled
GVMW-22B	7/9/2024	Sampled
GVMW-24A	7/31/2024	Sampled
GVMW-24B	7/1/2024	Dry at 100' bgs
GVMW-25	7/9/2024	Sampled
GMVW-26A	7/9/2024	Sampled
GVMW-26B	7/9/2024	Sampled
OSABH-12	7/11/2024	Dry at 39' bgs
OSABH-14	7/1/2024	Dry at 28.7' bgs
OSABH-16	7/24/2024	NS-IW
OSABH-17	7/11/2024	Sampled
OSABH-18	7/11/2024	Dry at 51.1' bgs
Ecosa Seep-1	7/16/2024	Sampled
Ecosa Seep-2	7/16/2024	Sampled
GV-02	7/16/2024	Dry
GV-03	7/16/2024	Dry
GV-06	7/16/2024	Sampled
GV-4.5	7/16/2024	Sampled
GV-05	7/16/2024	Sampled
EMP-016	7/16/2024	Dry
EMP-017	7/16/2024	Dry
EMP-017A	7/16/2024	Dry
EMP-17B	7/16/2024	Dry
EMP-17C	7/16/2024	Dry
EMP-020	7/16/2024	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 - July 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-10	GVMW-15A	GVMW-15B	GVMW-22A	GVMW-22B	GVMW-24A	GVMW-25	GMVW-26A	GVMW-26B	OSABH-17	Seep-1	Seep-2
				Sample Date	7/11/2024	7/11/2024	7/11/2024	7/23/2024	7/23/2024	7/31/2024	7/11/2024	7/11/2024	7/9/2024	7/9/2024	7/31/2024	7/9/2024	7/9/2024	7/9/2024	7/11/2024	7/16/2024	7/16/2024
Aluminum - Dissolved	5	**7**	mg/L		<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	0.344	<0.080	<0.080	<0.080	**196**	<0.080	<0.080	**2,960**	**5,100**	**15,300**
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	0.055	<0.030	<0.030	0.038	<3.00	<3.00
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	<0.00500	<0.00200	<0.0100	<0.00100	<1.00	<1.00
Arsenic - Dissolved	**0.01**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00146	**0.0953**	<0.00100	<0.00100	**0.441**	<1.00	**14.8**
Barium - Dissolved	**2**	NA	mg/L		0.201	0.181	0.0551	<0.0020	0.005	0.0179	0.0552	0.0159	0.105	0.0536	0.049	0.012	0.209	0.111	<0.0200	<0.200	<0.200
Beryllium - Dissolved	**0.004**	NA	mg/L		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.0319**	<0.00200	<0.00200	<0.00200	**0.213**	<0.00200	<0.00200	**0.588**	**0.694**	**1.31**
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	<0.0400	<0.400	<4.00	<4.00
Cadmium - Dissolved	**0.005**	**0.005**	mg/L		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	**0.515**	<0.0020	<0.0020	**6.47**	**15.2**	**67**
Chloride - Total	**250**	NA	mg/L		4.38	10.8	90.9	62.4	39.1	5.35	1.47	0.99	3.96	11.5	4.55	30.1	1.28	1.88	20.2	11.6	<20.0
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	<0.0060	0.014	<0.0060	<0.0060	**0.576**	**1.4**	**4.64**
Cobalt - Dissolved	**0.05**	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0224	**0.0572**	<0.0060	<0.0060	<0.0060	**0.477**	<0.0060	<0.0060	**14.5**	**15.6**	**38.8**
Copper - Dissolved	**0.2**	**0.2**	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	0.0132	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.684**	<0.0100	<0.0100	**11.6**	**30**	**159**
Cyanide - Free	**0.2**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0100	<0.0500	<0.0500
Cyanide - Total	NA	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0127	0.0393	0.0243
Cyanide - WAD	NA	**0.2**	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.100
Fluoride - Total F	**2**	**2**	mg/L		0.135	0.926	0.264	1.86	**2.1**	0.423	0.308	0.351	**2.2**	0.381	0.916	**27.4**	1.72	0.187	**591**	**293**	**2080**
Iron - Dissolved	0.3	**14**	mg/L		7.4	1.04	<0.100	<0.100	<0.100	<0.100	**31**	**19**	<0.100	<0.100	0.325	0.274	<0.100	<0.100	**77.2**	**2,340**	**13,400**
Lead - Dissolved	**0.05**	NA	mg/L		<0.0075	<0.0075	<0.0075	<0.0075	0.008	<0.0075	<0.0075	0.0349	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0750	<0.750	<0.750
Lithium - Dissolved	**2.5**	NA	mg/L		<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.098	<0.040	<0.040	1.83	<4.00	**9.25**
Manganese - Dissolved	0.05	**3**	mg/L		1.95	0.214	0.0094	0.0169	<0.0080	0.82	1.9	1.28	0.0127	<0.0080	0.529	**73.9**	<0.0080	**<0.0080**	**909**	**1,530**	**5,850**
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
Molybdenum - Dissolved	**0.21**	NA	mg/L		<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	0.0286	<0.0080	<0.0080	0.0105	<0.0080	0.0547	<0.0080	<0.0080	<0.0080	<0.0800	<0.800	<0.800
Nickel - Dissolved	**0.1**	NA	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	0.025	<0.0100	0.0587	**0.108**	<0.0100	<0.0100	<0.0100	**0.909**	<0.0100	<0.0100	**13.1**	**12.3**	**26.2**
Nitrate as Nitrogen	**10**	**10**	mg/L		<0.050	<0.050	0.41	1.28	2.16	0.435	<0.050	<0.050	<0.050	0.81	0.089	2.99	<0.050	0.733	2.54	9.77	8.76
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		<0.100	<0.100	0.41	1.28	2.16	0.449	<0.100	<0.100	<0.100	0.81	<0.100	<5.00	<0.100	0.733	2.54	9.77	<10.0
Nitrite as Nitrogen	**1**	**1**	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<1.25	<2.50	<5.00
pH Field	6.5-8.5	**6.0-8.5**	pH units		6.42	7.50	6.91	6.77	6.44	7.33	6.46	**4.66**	7.80	6.70	7.84	**3.90**	7.90	6.40	**3.00**	**2.70**	**1.81**
Selenium - Dissolved	0.02	**0.024**	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.0092	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00797	<0.00100	<0.00100	**0.0419**	**<1.00**	**<1.00**
Silver - Dissolved	**0.05**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.500	<0.500
Sodium - Dissolved	NA	NA	mg/L		8.24	9.13	17.6	23.2	26.7	81.4	13.1	12.1	37.3	12.9	132	35.6	30.9	9.6	12.8	52.1	<50.0
Sulfate - Total	**250**	NA	mg/L		55.1	21.1	**366**	63.3	95.5	**1,420**	185	250	34.2	40.6	**554**	**3,260**	14.2	21.7	**26,100**	**44,500**	**141,000**
Thallium - Dissolved	**0.002**	NA	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.00100	<0.000400	<0.000400	<0.00100	<0.200	<0.200
Total Dissolved Solids	NA	NA	mg/L		161	195	1,280	293	272	2,320	274	369	229	157	799	3,610	197	111	33,100	59,600	194,000
Uranium - Dissolved	**0.03**	NA	mg/L		<0.000100	0.00441	0.00596	0.00470	0.00272	**0.0693**	<0.000100	0.00020	0.0037	0.000272	0.0161	**0.46**	0.0033	<0.000200	**8.4**	**17.4**	**87.9**
Vanadium - Dissolved	**0.1**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**<0.0050**	<0.0050	<0.0050	<0.0500	<0.500	<0.500
Zinc - Dissolved	**2**	**2**	mg/L		0.0124	<0.0100	<0.0100	<0.0100	<0.0100	0.124	0.283	1.19	<0.0100	<0.0100	<0.0100	**19**	<0.0100	<0.0100	**247**	**248**	**3,060**

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 - milligrams per liter
NPL - Numeric Protection Limit
NS- Not sampled
TVS - table value standard

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Attachment 1

Laboratory Analytical Reports

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4G0141**
Victor, CO 80860	Reported: 29-Jul-24 15:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-25	X4G0141-01	Ground Water	09-Jul-24 13:27	TR	10-Jul-2024	Q5
GVMW-26 B	X4G0141-02	Ground Water	09-Jul-24 09:43	TR	10-Jul-2024	
GVMW-26 A	X4G0141-03	Ground Water	09-Jul-24 08:48	TR	10-Jul-2024	
GVMW-126 F	X4G0141-04	Ground Water	09-Jul-24 08:48	TR	10-Jul-2024	
RB-0709	X4G0141-05	Ground Water	09-Jul-24 07:50	TR	10-Jul-2024	
GVMW-22 A	X4G0141-06	Ground Water	09-Jul-24 12:00	TR	10-Jul-2024	
GVMW-22 B	X4G0141-07	Ground Water	09-Jul-24 11:05	TR	10-Jul-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: X4G0141

The state of origin only accredits for drinking water analyses.

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

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4G0141-01 (Ground Water)**

Sampled: 09-Jul-24 13:27
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	449	mg/L	0.500	0.345	5	X429012	SJN	07/17/24 11:25	
EPA 200.7	**Magnesium**	208	mg/L	0.500	0.090		X429012	SJN	07/17/24 10:30	
EPA 200.7	**Potassium**	5.95	mg/L	0.50	0.18		X429012	SJN	07/17/24 10:30	
SM 2340 B	**Hardness (as CaCO3)**	1990	mg/L	2.31	0.543		N/A		07/15/24 16:08	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	196	mg/L	0.080	0.054		X429040	NMS	07/15/24 16:08	M3
EPA 200.7	**Barium**	0.0120	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Beryllium**	0.213	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 16:08	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Cadmium**	0.515	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Calcium**	455	mg/L	0.100	0.069		X429040	NMS	07/15/24 16:08	B7
EPA 200.7	**Chromium**	0.0138	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Cobalt**	0.477	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Copper**	0.684	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Iron**	0.274	mg/L	0.100	0.056		X429040	NMS	07/15/24 16:08	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Lithium**	0.098	mg/L	0.040	0.025		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Magnesium**	184	mg/L	0.500	0.090		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Manganese**	73.9	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:08	M3
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Nickel**	0.909	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Potassium**	5.72	mg/L	0.50	0.18		X429040	NMS	07/15/24 16:08	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Sodium**	35.6	mg/L	0.50	0.12		X429040	NMS	07/15/24 16:08	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:08	
EPA 200.7	**Zinc**	19.0	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 16:08	
EPA 200.8	Antimony	< 0.00500	mg/L	0.00500	0.00360	5	X428216	JRR	07/18/24 09:56	D1
EPA 200.8	**Arsenic**	0.0953	mg/L	0.00100	0.00021		X428216	JRR	07/18/24 09:53	
EPA 200.8	**Selenium**	0.00797	mg/L	0.00100	0.00024		X428216	JRR	07/18/24 09:53	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X428216	JRR	07/18/24 09:56	D1
EPA 200.8	**Uranium**	0.460	mg/L	0.000500	0.000260	5	X428216	JRR	07/18/24 09:56	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428016	MAC	07/11/24 14:56	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X428139	DD	07/11/24 14:40	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:17	
EPA 350.1	**Ammonia as N**	0.055	mg/L	0.030	0.013		X428188	DD	07/12/24 12:52	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 15:44	
SM 2310 B	**Acidity to pH 8.3**	1330	mg/L as CaCO3	10.0			X429181	MWD	07/19/24 11:49	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:47	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:47	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:47	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:47	
SM 2540 C	**Total Diss. Solids**	3610	mg/L	40			X428130	TJL	07/15/24 12:20	
SM 2540 D	**Total Susp. Solids**	10.0	mg/L	5.0			X428133	TJL	07/15/24 12:55	
SM 4500 H B	**pH @24.8°C**	3.8	pH Units				X428109	MWD	07/11/24 15:47	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: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4G0141-01 (Ground Water)**

Sampled: 09-Jul-24 13:27
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	30.1	mg/L	10.0	1.10	50	X428123	RS	07/10/24 14:50	
EPA 300.0	**Fluoride**	27.4	mg/L	5.00	0.850	50	X428123	RS	07/10/24 14:50	
EPA 300.0	**Nitrate as N**	2.99	mg/L	2.50	0.650	50	X428123	RS	07/10/24 14:50	D1
EPA 300.0	Nitrate+Nitrite as N	< 5.00	mg/L	5.00	2.20	50	X428123	RS	07/10/24 14:34	D1
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428123	RS	07/10/24 14:34	
EPA 300.0	**Sulfate as SO4**	3260	mg/L	30.0	18.0	100	X428123	RS	07/10/24 21:58	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 65.8 meq/L Anion Sum: 70.3 meq/L C/A Balance: -3.30 % Calculated TDS: 4007 TDS/cTDS: 0.90

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-26 B**
SVL Sample ID: **X4G0141-02 (Ground Water)**

Sampled: 09-Jul-24 09:43
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	10.5	mg/L	0.100	0.069		X429012	SJN	07/17/24 10:33	
EPA 200.7	**Magnesium**	2.31	mg/L	0.500	0.090		X429012	SJN	07/17/24 10:33	
EPA 200.7	**Potassium**	0.65	mg/L	0.50	0.18		X429012	SJN	07/17/24 10:33	
SM 2340 B	**Hardness (as CaCO3)**	35.2	mg/L	2.31	0.543		N/A		07/17/24 10:33	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 16:12	
EPA 200.7	**Barium**	0.111	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 16:12	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 16:12	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 16:12	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 16:12	
EPA 200.7	**Calcium**	9.69	mg/L	0.100	0.069		X429040	NMS	07/15/24 16:12	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 16:12	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 16:12	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 16:12	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X429040	NMS	07/15/24 16:12	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 16:12	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 16:12	
EPA 200.7	**Magnesium**	2.16	mg/L	0.500	0.090		X429040	NMS	07/15/24 16:12	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:12	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:12	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 16:12	
EPA 200.7	**Potassium**	0.81	mg/L	0.50	0.18		X429040	NMS	07/15/24 16:12	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:12	
EPA 200.7	**Sodium**	9.60	mg/L	0.50	0.12		X429040	NMS	07/15/24 16:12	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:12	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 16:12	
EPA 200.8	Antimony	< 0.0100	mg/L	0.0100	0.00720	10	X428216	JRR	07/17/24 19:56	D1
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X428216	JRR	07/17/24 19:02	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X428216	JRR	07/17/24 19:02	
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X428216	JRR	07/17/24 19:37	D1
EPA 200.8	Uranium	< 0.000200	mg/L	0.000200	0.000104	2	X428216	JRR	07/17/24 19:37	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428016	MAC	07/11/24 14:58	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X428139	DD	07/11/24 14:42	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:19	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X428188	DD	07/12/24 12:54	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 15:45	
SM 2310 B	**Acidity to pH 8.3**	-47.0	mg/L as CaCO3	10.0			X429181	MWD	07/19/24 11:49	
SM 2320 B	**Total Alkalinity**	46.9	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:53	
SM 2320 B	**Bicarbonate**	46.9	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:53	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:53	
SM 2540 C	**Total Diss. Solids**	111	mg/L	10			X430133	TJL	07/26/24 13:30	H1
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X428133	TJL	07/15/24 12:55	
SM 4500 H B	**pH @24.8°C**	7.1	pH Units				X428109	MWD	07/11/24 15:53	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: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-26 B**
SVL Sample ID: **X4G0141-02 (Ground Water)**

Sampled: 09-Jul-24 09:43
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.88	mg/L	0.20	0.02		X428123	RS	07/10/24 15:06	
EPA 300.0	**Fluoride**	0.187	mg/L	0.100	0.017		X428123	RS	07/10/24 15:06	
EPA 300.0	**Nitrate as N**	0.733	mg/L	0.050	0.013		X428123	RS	07/10/24 15:06	
EPA 300.0	**Nitrate+Nitrite as N**	0.733	mg/L	0.100	0.044		X428123	RS	07/10/24 15:06	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428123	RS	07/10/24 15:06	
EPA 300.0	**Sulfate as SO4**	21.7	mg/L	0.30	0.18		X428123	RS	07/10/24 15:06	

Cation/Anion Balance and TDS Ratios

Cation Sum: 1.11 meq/L Anion Sum: 1.50 meq/L C/A Balance: -15.07 % Calculated TDS: 78 TDS/cTDS: 1.43

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-26 A**
SVL Sample ID: **X4G0141-03 (Ground Water)**

Sampled: 09-Jul-24 08:48
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	29.0	mg/L	0.100	0.069		X429012	SJN	07/17/24 10:37	
EPA 200.7	**Magnesium**	6.83	mg/L	0.500	0.090		X429012	SJN	07/17/24 10:37	
EPA 200.7	**Potassium**	0.86	mg/L	0.50	0.18		X429012	SJN	07/17/24 10:37	
SM 2340 B	**Hardness (as CaCO3)**	98.6	mg/L	2.31	0.543		N/A		07/17/24 10:37	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 16:16	
EPA 200.7	**Barium**	0.209	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 16:16	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 16:16	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 16:16	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 16:16	
EPA 200.7	**Calcium**	28.3	mg/L	0.100	0.069		X429040	NMS	07/15/24 16:16	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 16:16	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 16:16	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 16:16	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X429040	NMS	07/15/24 16:16	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 16:16	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 16:16	
EPA 200.7	**Magnesium**	6.76	mg/L	0.500	0.090		X429040	NMS	07/15/24 16:16	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:16	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:16	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 16:16	
EPA 200.7	**Potassium**	0.95	mg/L	0.50	0.18		X429040	NMS	07/15/24 16:16	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:16	
EPA 200.7	**Sodium**	30.9	mg/L	0.50	0.12		X429040	NMS	07/15/24 16:16	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:16	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 16:16	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X428216	JRR	07/17/24 19:39	D1
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X428216	JRR	07/17/24 19:04	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X428216	JRR	07/17/24 19:04	
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X428216	JRR	07/17/24 19:39	D1
EPA 200.8	**Uranium**	0.00326	mg/L	0.000200	0.000104	2	X428216	JRR	07/17/24 19:39	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428016	MAC	07/11/24 15:00	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X428139	DD	07/11/24 14:50	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:21	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X428188	DD	07/12/24 12:56	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 15:47	
SM 2310 B	**Acidity to pH 8.3**	-148	mg/L as CaCO3	10.0			X429181	MWD	07/19/24 11:49	
SM 2320 B	**Total Alkalinity**	156	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:58	
SM 2320 B	**Bicarbonate**	156	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:58	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:58	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 15:58	
SM 2540 C	**Total Diss. Solids**	197	mg/L	10			X428130	TJL	07/15/24 12:20	
SM 2540 D	**Total Susp. Solids**	7.0	mg/L	5.0			X428133	TJL	07/15/24 12:55	
SM 4500 H B	**pH @24.9°C**	8.1	pH Units				X428109	MWD	07/11/24 15:58	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: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-26 A**
SVL Sample ID: **X4G0141-03 (Ground Water)**

Sampled: 09-Jul-24 08:48
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.28	mg/L	0.20	0.02		X428123	RS	07/10/24 15:38	
EPA 300.0	**Fluoride**	1.72	mg/L	0.100	0.017		X428123	RS	07/10/24 15:38	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X428123	RS	07/10/24 15:38	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X428123	RS	07/10/24 15:38	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428123	RS	07/10/24 15:38	
EPA 300.0	**Sulfate as SO4**	14.2	mg/L	0.30	0.18		X428123	RS	07/10/24 15:38	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.35 meq/L Anion Sum: 3.54 meq/L C/A Balance: -2.78 % Calculated TDS: 178 TDS/cTDS: 1.11

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-126 F**
SVL Sample ID: **X4G0141-04 (Ground Water)**

Sampled: 09-Jul-24 08:48
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	29.4	mg/L	0.100	0.069		X429012	SJN	07/17/24 10:41	
EPA 200.7	**Magnesium**	6.96	mg/L	0.500	0.090		X429012	SJN	07/17/24 10:41	
EPA 200.7	**Potassium**	0.99	mg/L	0.50	0.18		X429012	SJN	07/17/24 10:41	
SM 2340 B	**Hardness (as CaCO3)**	102	mg/L	2.31	0.543		N/A		07/15/24 16:20	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 16:20	
EPA 200.7	**Barium**	0.211	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 16:20	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 16:20	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 16:20	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 16:20	
EPA 200.7	**Calcium**	29.0	mg/L	0.100	0.069		X429040	NMS	07/15/24 16:20	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 16:20	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 16:20	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 16:20	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X429040	NMS	07/15/24 16:20	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 16:20	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 16:20	
EPA 200.7	**Magnesium**	6.84	mg/L	0.500	0.090		X429040	NMS	07/15/24 16:20	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:20	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:20	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 16:20	
EPA 200.7	**Potassium**	0.95	mg/L	0.50	0.18		X429040	NMS	07/15/24 16:20	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:20	
EPA 200.7	**Sodium**	30.8	mg/L	0.50	0.12		X429040	NMS	07/15/24 16:20	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:20	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 16:20	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X428216	JRR	07/17/24 19:07	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X428216	JRR	07/17/24 19:07	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X428216	JRR	07/17/24 19:07	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X428216	JRR	07/17/24 19:07	
EPA 200.8	**Uranium**	0.00329	mg/L	0.000100	0.000052		X428216	JRR	07/17/24 19:07	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428016	MAC	07/11/24 15:02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X428139	DD	07/11/24 14:52	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:24	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X428188	DD	07/12/24 12:59	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 15:48	
SM 2310 B	**Acidity to pH 8.3**	-148	mg/L as CaCO3	10.0			X429181	MWD	07/19/24 11:49	
SM 2320 B	**Total Alkalinity**	159	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:12	
SM 2320 B	**Bicarbonate**	159	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:12	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:12	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:12	
SM 2540 C	**Total Diss. Solids**	207	mg/L	10			X428130	TJL	07/15/24 12:20	
SM 2540 D	**Total Susp. Solids**	13.0	mg/L	5.0			X428133	TJL	07/15/24 12:55	
SM 4500 H B	**pH @25.1°C**	8.1	pH Units				X428109	MWD	07/11/24 16:12	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: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-126 F**
SVL Sample ID: **X4G0141-04 (Ground Water)**

Sampled: 09-Jul-24 08:48
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.29	mg/L	0.20	0.02		X428123	RS	07/10/24 16:09	
EPA 300.0	**Fluoride**	1.80	mg/L	0.100	0.017		X428123	RS	07/10/24 16:09	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X428123	RS	07/10/24 16:09	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X428123	RS	07/10/24 16:09	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428123	RS	07/10/24 16:09	
EPA 300.0	**Sulfate as SO4**	14.2	mg/L	0.30	0.18		X428123	RS	07/10/24 16:09	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.39 meq/L Anion Sum: 3.61 meq/L C/A Balance: -3.10 % Calculated TDS: 181 TDS/cTDS: 1.15

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **RB-0709**
SVL Sample ID: **X4G0141-05 (Ground Water)**

Sampled: 09-Jul-24 07:50
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X429012	SJN	07/17/24 10:44	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X429012	SJN	07/17/24 10:44	
EPA 200.7	**Potassium**	113	mg/L	0.50	0.18		X429012	SJN	07/17/24 10:44	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		07/17/24 10:44	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 16:24	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 16:24	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 16:24	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 16:24	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 16:24	
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X429201	NMS	07/19/24 11:12	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 16:24	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 16:24	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 16:24	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X429040	NMS	07/15/24 16:24	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 16:24	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 16:24	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X429040	NMS	07/15/24 16:24	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:24	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:24	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 16:24	
EPA 200.7	**Potassium**	0.58	mg/L	0.50	0.18		X429040	NMS	07/15/24 16:24	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:24	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X429040	NMS	07/15/24 16:24	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:24	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 16:24	
EPA 200.8	Antimony	< 0.0100	mg/L	0.0100	0.00720	10	X428216	JRR	07/17/24 20:04	D1
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X428216	JRR	07/17/24 19:09	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X428216	JRR	07/17/24 19:09	
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X428216	JRR	07/17/24 19:42	D1
EPA 200.8	Uranium	< 0.000200	mg/L	0.000200	0.000104	2	X428216	JRR	07/17/24 19:42	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428016	MAC	07/11/24 15:09	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X428139	DD	07/11/24 14:54	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:27	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X428188	DD	07/12/24 13:01	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 15:54	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X429181	MWD	07/19/24 11:49	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:18	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:18	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:18	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:18	
SM 2540 C	**Total Diss. Solids**	174	mg/L	10			X428130	TJL	07/15/24 12:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X428133	TJL	07/15/24 12:55	
SM 4500 H B	**pH @25.1°C**	5.5	pH Units				X428109	MWD	07/11/24 16:18	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **RB-0709**
SVL Sample ID: **X4G0141-05 (Ground Water)**

Sampled: 09-Jul-24 07:50
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	72.8	mg/L	2.00	0.22	10	X428123	RS	07/10/24 16:57	
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X428123	RS	07/10/24 16:41	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X428123	RS	07/10/24 16:41	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X428123	RS	07/10/24 16:41	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428123	RS	07/10/24 16:41	
EPA 300.0	**Sulfate as SO4**	1.30	mg/L	0.30	0.18		X428123	RS	07/10/24 16:41	

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-22 A**
SVL Sample ID: **X4G0141-06 (Ground Water)**

Sampled: 09-Jul-24 12:00
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	28.4	mg/L	0.100	0.069		X429012	SJN	07/17/24 10:56	
EPA 200.7	**Magnesium**	11.9	mg/L	0.500	0.090		X429012	SJN	07/17/24 10:56	
EPA 200.7	**Potassium**	1.23	mg/L	0.50	0.18		X429012	SJN	07/17/24 10:56	
SM 2340 B	**Hardness (as CaCO3)**	118	mg/L	2.31	0.543		N/A		07/17/24 10:56	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 16:51	
EPA 200.7	**Barium**	0.105	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 16:51	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 16:51	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 16:51	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 16:51	
EPA 200.7	**Calcium**	27.9	mg/L	0.100	0.069		X429040	NMS	07/15/24 16:51	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 16:51	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 16:51	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 16:51	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X429040	NMS	07/15/24 16:51	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 16:51	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 16:51	
EPA 200.7	**Magnesium**	11.8	mg/L	0.500	0.090		X429040	NMS	07/15/24 16:51	
EPA 200.7	**Manganese**	0.0127	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:51	
EPA 200.7	**Molybdenum**	0.0105	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:51	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 16:51	
EPA 200.7	**Potassium**	1.43	mg/L	0.50	0.18		X429040	NMS	07/15/24 16:51	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:51	
EPA 200.7	**Sodium**	37.3	mg/L	0.50	0.12		X429040	NMS	07/15/24 16:51	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:51	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 16:51	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X428216	JRR	07/17/24 19:12	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X428216	JRR	07/17/24 19:12	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X428216	JRR	07/17/24 19:12	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X428216	JRR	07/17/24 19:12	
EPA 200.8	**Uranium**	0.00370	mg/L	0.000100	0.000052		X428216	JRR	07/17/24 19:12	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428016	MAC	07/11/24 15:11	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X428139	DD	07/11/24 14:56	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:30	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X428188	DD	07/12/24 13:03	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 15:56	
SM 2310 B	**Acidity to pH 8.3**	-162	mg/L as CaCO3	10.0			X429181	MWD	07/19/24 11:49	
SM 2320 B	**Total Alkalinity**	169	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:23	
SM 2320 B	**Bicarbonate**	169	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:23	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:23	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:23	
SM 2540 C	**Total Diss. Solids**	229	mg/L	10			X428130	TJL	07/15/24 12:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X428133	TJL	07/15/24 12:55	
SM 4500 H B	**pH @24.9°C**	8.1	pH Units				X428109	MWD	07/11/24 16:23	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: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-22 A**
SVL Sample ID: **X4G0141-06 (Ground Water)**

Sampled: 09-Jul-24 12:00
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.96	mg/L	0.20	0.02		X428123	RS	07/10/24 17:45	
EPA 300.0	**Fluoride**	2.20	mg/L	0.100	0.017		X428123	RS	07/10/24 17:45	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X428123	RS	07/10/24 17:45	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X428123	RS	07/10/24 17:45	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428123	RS	07/10/24 17:45	
EPA 300.0	**Sulfate as SO4**	34.2	mg/L	0.30	0.18		X428123	RS	07/10/24 17:45	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.03 meq/L Anion Sum: 4.32 meq/L C/A Balance: -3.44 % Calculated TDS: 220 TDS/cTDS: 1.04

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-22 B**
SVL Sample ID: **X4G0141-07 (Ground Water)**

Sampled: 09-Jul-24 11:05
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	22.5	mg/L	0.100	0.069		X429012	SJN	07/17/24 11:00	
EPA 200.7	**Magnesium**	5.85	mg/L	0.500	0.090		X429012	SJN	07/17/24 11:00	
EPA 200.7	**Potassium**	1.02	mg/L	0.50	0.18		X429012	SJN	07/17/24 11:00	
SM 2340 B	**Hardness (as CaCO3)**	77.1	mg/L	2.31	0.543		N/A		07/17/24 11:00	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 16:55	
EPA 200.7	**Barium**	0.0536	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 16:55	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 16:55	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 16:55	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 16:55	
EPA 200.7	**Calcium**	21.4	mg/L	0.100	0.069		X429040	NMS	07/15/24 16:55	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 16:55	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 16:55	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 16:55	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X429040	NMS	07/15/24 16:55	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 16:55	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 16:55	
EPA 200.7	**Magnesium**	5.72	mg/L	0.500	0.090		X429040	NMS	07/15/24 16:55	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:55	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 16:55	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 16:55	
EPA 200.7	**Potassium**	1.08	mg/L	0.50	0.18		X429040	NMS	07/15/24 16:55	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:55	
EPA 200.7	**Sodium**	12.9	mg/L	0.50	0.12		X429040	NMS	07/15/24 16:55	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 16:55	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 16:55	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X428216	JRR	07/17/24 20:16	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X428216	JRR	07/17/24 20:16	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X428216	JRR	07/17/24 20:16	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X428216	JRR	07/17/24 20:16	
EPA 200.8	**Uranium**	0.000272	mg/L	0.000100	0.000052		X428216	JRR	07/17/24 20:16	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428016	MAC	07/11/24 15:13	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X428139	DD	07/11/24 14:58	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:32	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X428188	DD	07/12/24 13:05	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 15:57	
SM 2310 B	**Acidity to pH 8.3**	-47.0	mg/L as CaCO3	10.0			X429181	MWD	07/19/24 11:49	
SM 2320 B	**Total Alkalinity**	54.3	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:29	
SM 2320 B	**Bicarbonate**	54.3	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:29	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:29	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X428109	MWD	07/11/24 16:29	
SM 2540 C	**Total Diss. Solids**	157	mg/L	10			X428130	TJL	07/15/24 12:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X428133	TJL	07/15/24 12:55	
SM 4500 H B	**pH @25.0°C**	7.1	pH Units				X428109	MWD	07/11/24 16:29	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: **X4G0141**
Reported: 29-Jul-24 15:33

Client Sample ID: **GVMW-22 B**
SVL Sample ID: **X4G0141-07 (Ground Water)**

Sampled: 09-Jul-24 11:05
Received: 10-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.5	mg/L	2.00	0.22	10	X428123	RS	07/10/24 18:32	
EPA 300.0	**Fluoride**	0.381	mg/L	0.100	0.017		X428123	RS	07/10/24 18:16	
EPA 300.0	**Nitrate as N**	0.810	mg/L	0.050	0.013		X428123	RS	07/10/24 18:16	
EPA 300.0	**Nitrate+Nitrite as N**	0.810	mg/L	0.100	0.044		X428123	RS	07/10/24 18:16	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428123	RS	07/10/24 18:16	
EPA 300.0	**Sulfate as SO4**	40.6	mg/L	0.30	0.18		X428123	RS	07/10/24 18:16	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.14 meq/L Anion Sum: 2.33 meq/L C/A Balance: -4.32 % Calculated TDS: 130 TDS/cTDS: 1.20

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X429012	17-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X429012	17-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X429012	17-Jul-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X429040	15-Jul-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X429040	15-Jul-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X429040	15-Jul-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X429040	15-Jul-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X429040	15-Jul-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X429040	15-Jul-24	B7
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X429201	19-Jul-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X429040	15-Jul-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X429040	15-Jul-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X429040	15-Jul-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X429040	15-Jul-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X429040	15-Jul-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X429040	15-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X429040	15-Jul-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X429040	15-Jul-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X429040	15-Jul-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X429040	15-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X429040	15-Jul-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X429040	15-Jul-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X429040	15-Jul-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X429040	15-Jul-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X429040	15-Jul-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X428216	17-Jul-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X428216	17-Jul-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X428216	17-Jul-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X428216	17-Jul-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X428216	17-Jul-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X428016	11-Jul-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X428139	11-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X429025	16-Jul-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X428188	12-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X430076	23-Jul-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X429181	19-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X428109	11-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X428109	11-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X428109	11-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X428109	11-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X428130	15-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X430133	26-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X428133	15-Jul-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X428123	10-Jul-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X428123	10-Jul-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X428123	10-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X428123	10-Jul-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X428123	10-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X428123	10-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.5	20.0	97	85 - 115	X429012	17-Jul-24	
EPA 200.7	Magnesium	mg/L	19.9	20.0	99.7	85 - 115	X429012	17-Jul-24	
EPA 200.7	Potassium	mg/L	19.8	20.0	98.9	85 - 115	X429012	17-Jul-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.927	1.00	92.7	85 - 115	X429040	15-Jul-24	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Beryllium	mg/L	1.05	1.00	105	85 - 115	X429040	15-Jul-24	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Cadmium	mg/L	1.00	1.00	100	85 - 115	X429040	15-Jul-24	
EPA 200.7	Calcium	mg/L	19.0	20.0	95.0	85 - 115	X429040	15-Jul-24	B7
EPA 200.7	Calcium	mg/L	19.3	20.0	96.5	85 - 115	X429201	19-Jul-24	
EPA 200.7	Chromium	mg/L	1.02	1.00	102	85 - 115	X429040	15-Jul-24	
EPA 200.7	Cobalt	mg/L	0.986	1.00	98.6	85 - 115	X429040	15-Jul-24	
EPA 200.7	Copper	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Iron	mg/L	9.72	10.0	97.2	85 - 115	X429040	15-Jul-24	
EPA 200.7	Lead	mg/L	0.992	1.00	99.2	85 - 115	X429040	15-Jul-24	
EPA 200.7	Lithium	mg/L	0.991	1.00	99.1	85 - 115	X429040	15-Jul-24	
EPA 200.7	Magnesium	mg/L	19.1	20.0	95.3	85 - 115	X429040	15-Jul-24	
EPA 200.7	Manganese	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.03	1.00	103	85 - 115	X429040	15-Jul-24	
EPA 200.7	Nickel	mg/L	0.996	1.00	99.6	85 - 115	X429040	15-Jul-24	
EPA 200.7	Potassium	mg/L	20.1	20.0	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Silver	mg/L	0.0480	0.0500	95.9	85 - 115	X429040	15-Jul-24	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.1	85 - 115	X429040	15-Jul-24	
EPA 200.7	Vanadium	mg/L	1.02	1.00	102	85 - 115	X429040	15-Jul-24	
EPA 200.7	Zinc	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.8	Antimony	mg/L	0.0257	0.0250	103	85 - 115	X428216	17-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0263	0.0250	105	85 - 115	X428216	17-Jul-24	
EPA 200.8	Selenium	mg/L	0.0262	0.0250	105	85 - 115	X428216	17-Jul-24	
EPA 200.8	Thallium	mg/L	0.0254	0.0250	102	85 - 115	X428216	17-Jul-24	
EPA 200.8	Uranium	mg/L	0.0251	0.0250	101	85 - 115	X428216	17-Jul-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00206	0.00200	103	85 - 115	X428016	11-Jul-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X428139	11-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.100	100	90 - 110	X429025	16-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.06	1.00	106	90 - 110	X428188	12-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0940	0.100	94.0	90 - 110	X430076	23-Jul-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	889	884	101	95.4 - 104	X429181	19-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X428109	11-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	409	397	103	96.4 - 105	X428109	11-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.1	9.93	102	96.4 - 105	X428109	11-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X428133	15-Jul-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.09	3.00	103	90 - 110	X428123	10-Jul-24	
EPA 300.0	Fluoride	mg/L	2.06	2.00	103	90 - 110	X428123	10-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.09	2.00	104	90 - 110	X428123	10-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.77	4.50	106	90 - 110	X428123	10-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.68	2.50	107	90 - 110	X428123	10-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	10.8	10.0	108	90 - 110	X428123	10-Jul-24	

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X429181 - X4G0107-01	19-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	109	111	1.1	20	X428109 - X4G0107-02	11-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	109	111	1.1	20	X428109 - X4G0107-02	11-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X428109 - X4G0107-02	11-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X428109 - X4G0107-02	11-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	338	374	10.1	10	X428130 - X4G0145-01	15-Jul-24	R2B
SM 2540 C	Total Diss. Solids	mg/L	413	423	2.4	10	X428130 - X4G0145-02	15-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	609	634	4.0	10	X430133 - X4G0379-04	26-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	672	677	0.7	10	X430133 - X4G0379-02	26-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X428133 - X4G0145-01	15-Jul-24	
SM 4500 H B	pH @24.6°C	pH Units	8.1	8.1	0.6	20	X428109 - X4G0107-02	11-Jul-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	67.6	47.8	20.0	99	70 - 130	X429012 - X4G0122-01	17-Jul-24	
EPA 200.7	Calcium	mg/L	48.6	28.4	20.0	101	70 - 130	X429012 - X4G0141-06	17-Jul-24	
EPA 200.7	Magnesium	mg/L	27.7	7.35	20.0	102	70 - 130	X429012 - X4G0122-01	17-Jul-24	
EPA 200.7	Magnesium	mg/L	32.2	11.9	20.0	102	70 - 130	X429012 - X4G0141-06	17-Jul-24	
EPA 200.7	Potassium	mg/L	50.0	30.1	20.0	99.7	70 - 130	X429012 - X4G0122-01	17-Jul-24	
EPA 200.7	Potassium	mg/L	21.3	1.23	20.0	100	70 - 130	X429012 - X4G0141-06	17-Jul-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	194	196	1.00	0.30R>S	70 - 130	X429040 - X4G0141-01	15-Jul-24	M3
EPA 200.7	Aluminum	mg/L	0.952	<0.080	1.00	95.2	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Barium	mg/L	1.05	0.0120	1.00	104	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Barium	mg/L	1.24	0.194	1.00	104	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Beryllium	mg/L	1.25	0.213	1.00	104	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Beryllium	mg/L	1.05	<0.00200	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Boron	mg/L	1.08	<0.0400	1.00	107	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Boron	mg/L	1.06	<0.0400	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Cadmium	mg/L	1.56	0.515	1.00	105	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Cadmium	mg/L	1.03	<0.0020	1.00	103	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Calcium	mg/L	472	455	20.0	84.2	70 - 130	X429040 - X4G0141-01	15-Jul-24	B7
EPA 200.7	Calcium	mg/L	35.2	15.6	20.0	98.2	70 - 130	X429040 - X4G0192-07	15-Jul-24	B7
EPA 200.7	Calcium	mg/L	177	156	20.0	102	70 - 130	X429201 - X4G0262-01	19-Jul-24	
EPA 200.7	Chromium	mg/L	1.04	0.0138	1.00	103	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Cobalt	mg/L	1.50	0.477	1.00	103	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Cobalt	mg/L	1.02	<0.0060	1.00	102	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Copper	mg/L	1.82	0.684	1.00	113	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Iron	mg/L	10.1	0.274	10.0	98.1	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Iron	mg/L	17.0	7.16	10.0	98.5	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	102	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Lead	mg/L	1.02	<0.0075	1.00	102	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Lithium	mg/L	1.15	0.098	1.00	105	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	101	70 - 130	X429040 - X4G0192-07	15-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Magnesium	mg/L	202	184	20.0	89.2	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Magnesium	mg/L	29.7	9.74	20.0	100	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Manganese	mg/L	73.6	73.9	1.00	0.30R>S	70 - 130	X429040 - X4G0141-01	15-Jul-24	M3
EPA 200.7	Manganese	mg/L	2.86	1.85	1.00	101	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.06	<0.0080	1.00	105	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.05	<0.0080	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Nickel	mg/L	1.95	0.909	1.00	104	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Nickel	mg/L	1.03	<0.0100	1.00	103	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Potassium	mg/L	26.9	5.72	20.0	106	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Potassium	mg/L	21.7	1.19	20.0	102	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Silver	mg/L	0.0486	<0.0050	0.0500	97.2	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Silver	mg/L	0.0482	<0.0050	0.0500	96.4	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Sodium	mg/L	54.2	35.6	19.0	97.8	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Sodium	mg/L	26.9	8.25	19.0	98.1	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Vanadium	mg/L	1.06	<0.0050	1.00	106	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Vanadium	mg/L	1.05	<0.0050	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Zinc	mg/L	19.7	19.0	1.00	73.3	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Zinc	mg/L	1.06	0.0124	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.8	Antimony	mg/L	0.0210	<0.00500	0.0250	84.1	70 - 130	X428216 - X4G0141-01	18-Jul-24	D1
EPA 200.8	Arsenic	mg/L	0.122	0.0953	0.0250	108	70 - 130	X428216 - X4G0141-01	18-Jul-24	
EPA 200.8	Selenium	mg/L	0.0360	0.00797	0.0250	112	70 - 130	X428216 - X4G0141-01	18-Jul-24	
EPA 200.8	Thallium	mg/L	0.0204	<0.00100	0.0250	81.8	70 - 130	X428216 - X4G0141-01	18-Jul-24	D1
EPA 200.8	Uranium	mg/L	0.462	0.460	0.0250	0.30R>S	70 - 130	X428216 - X4G0141-01	18-Jul-24	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00216	<0.000200	0.00200	108	70 - 130	X428016 - X4G0089-01	11-Jul-24	
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X428016 - X4G0107-02	11-Jul-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	<0.0050	0.100	100	79 - 121	X428139 - X4F0505-01	11-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X429025 - X4G0107-01	16-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X429025 - X4G0107-02	16-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.12	0.055	1.00	107	90 - 110	X428188 - X4G0141-01	12-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	105	90 - 110	X428188 - X4G0141-02	12-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.106	<0.0050	0.100	105	82 - 118	X430076 - X4G0107-01	23-Jul-24	R4
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.25	<0.20	3.00	105	90 - 110	X428123 - X4G0138-01	10-Jul-24	
EPA 300.0	Chloride	mg/L	14.5	11.5	3.00	100	90 - 110	X428123 - X4G0141-07	10-Jul-24	
EPA 300.0	Fluoride	mg/L	2.13	<0.100	2.00	104	90 - 110	X428123 - X4G0138-01	10-Jul-24	
EPA 300.0	Fluoride	mg/L	2.42	0.381	2.00	102	90 - 110	X428123 - X4G0141-07	10-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.11	<0.050	2.00	105	90 - 110	X428123 - X4G0138-01	10-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.93	0.810	2.00	106	90 - 110	X428123 - X4G0141-07	10-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.31	<0.100	4.00	108	90 - 110	X428123 - X4G0138-01	10-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.13	0.810	4.00	108	90 - 110	X428123 - X4G0141-07	10-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.20	<0.050	2.00	110	90 - 110	X428123 - X4G0138-01	10-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.20	<0.050	2.00	110	90 - 110	X428123 - X4G0141-07	10-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	11.7	0.96	10.0	107	90 - 110	X428123 - X4G0138-01	10-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	50.8	40.6	10.0	102	90 - 110	X428123 - X4G0141-07	10-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0141**
Reported: 29-Jul-24 15:33

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	66.7	67.6	20.0	1.0	20	94	X429012 - X4G0122-01	
EPA 200.7	Magnesium	mg/L	27.6	27.7	20.0	0.4	20	101	X429012 - X4G0122-01	
EPA 200.7	Potassium	mg/L	49.6	50.0	20.0	0.8	20	97.6	X429012 - X4G0122-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	196	194	1.00	0.9	20	0.30R>S	X429040 - X4G0141-01	M3
EPA 200.7	Barium	mg/L	1.08	1.05	1.00	3.3	20	107	X429040 - X4G0141-01	
EPA 200.7	Beryllium	mg/L	1.26	1.25	1.00	0.6	20	105	X429040 - X4G0141-01	
EPA 200.7	Boron	mg/L	1.11	1.08	1.00	3.0	20	110	X429040 - X4G0141-01	
EPA 200.7	Cadmium	mg/L	1.57	1.56	1.00	0.7	20	106	X429040 - X4G0141-01	
EPA 200.7	Calcium	mg/L	476	472	20.0	0.8	20	103	X429040 - X4G0141-01	B7
EPA 200.7	Calcium	mg/L	178	177	20.0	0.6	20	108	X429201 - X4G0262-01	
EPA 200.7	Chromium	mg/L	1.06	1.04	1.00	1.8	20	104	X429040 - X4G0141-01	
EPA 200.7	Cobalt	mg/L	1.52	1.50	1.00	1.0	20	104	X429040 - X4G0141-01	
EPA 200.7	Copper	mg/L	1.86	1.82	1.00	2.2	20	117	X429040 - X4G0141-01	
EPA 200.7	Iron	mg/L	10.2	10.1	10.0	1.4	20	99.5	X429040 - X4G0141-01	
EPA 200.7	Lead	mg/L	1.04	1.03	1.00	1.2	20	103	X429040 - X4G0141-01	
EPA 200.7	Lithium	mg/L	1.19	1.15	1.00	3.2	20	109	X429040 - X4G0141-01	
EPA 200.7	Magnesium	mg/L	204	202	20.0	1.0	20	99.6	X429040 - X4G0141-01	
EPA 200.7	Manganese	mg/L	75.1	73.6	1.00	2.1	20	123	X429040 - X4G0141-01	
EPA 200.7	Molybdenum	mg/L	1.07	1.06	1.00	1.3	20	107	X429040 - X4G0141-01	
EPA 200.7	Nickel	mg/L	1.96	1.95	1.00	0.8	20	105	X429040 - X4G0141-01	
EPA 200.7	Potassium	mg/L	27.5	26.9	20.0	1.9	20	109	X429040 - X4G0141-01	
EPA 200.7	Silver	mg/L	0.0498	0.0486	0.0500	2.4	20	99.6	X429040 - X4G0141-01	
EPA 200.7	Sodium	mg/L	54.8	54.2	19.0	1.2	20	101	X429040 - X4G0141-01	
EPA 200.7	Vanadium	mg/L	1.08	1.06	1.00	1.8	20	108	X429040 - X4G0141-01	
EPA 200.7	Zinc	mg/L	19.9	19.7	1.00	1.1	20	95.4	X429040 - X4G0141-01	
EPA 200.8	Antimony	mg/L	0.0219	0.0210	0.0250	4.2	20	87.6	X428216 - X4G0141-01	D1
EPA 200.8	Arsenic	mg/L	0.119	0.122	0.0250	2.5	20	95.5	X428216 - X4G0141-01	
EPA 200.8	Selenium	mg/L	0.0372	0.0360	0.0250	3.2	20	117	X428216 - X4G0141-01	
EPA 200.8	Thallium	mg/L	0.0217	0.0204	0.0250	6.0	20	86.8	X428216 - X4G0141-01	D1
EPA 200.8	Uranium	mg/L	0.507	0.462	0.0250	9.3	20	0.30R>S	X428216 - X4G0141-01	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00213	0.00216	0.00200	1.3	20	107	X428016 - X4G0089-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0950	0.100	0.100	5.1	11	95.0	X428139 - X4F0505-01	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.102	0.100	1.4	20	100	X429025 - X4G0107-01	
EPA 350.1	Ammonia as N	mg/L	0.985	1.12	1.00	13.1	20	93.1	X428188 - X4G0141-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0930	0.106	0.100	13.1	11	92.0	X430076 - X4G0107-01	R4
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.26	3.25	3.00	0.2	20	105	X428123 - X4G0138-01	
EPA 300.0	Fluoride	mg/L	2.13	2.13	2.00	0.2	20	104	X428123 - X4G0138-01	
EPA 300.0	Nitrate as N	mg/L	2.12	2.11	2.00	0.5	20	106	X428123 - X4G0138-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.32	4.31	4.00	0.2	20	108	X428123 - X4G0138-01	
EPA 300.0	Nitrite as N	mg/L	2.20	2.20	2.00	0.2	20	110	X428123 - X4G0138-01	
EPA 300.0	Sulfate as SO4	mg/L	11.7	11.7	10.0	0.4	20	107	X428123 - X4G0138-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4G0141**
Victor, CO 80860	Reported: 29-Jul-24 15:33

Notes and Definitions

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.
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.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
R2B	RPD exceeded the laboratory acceptance limit.
R4	MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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: **X4H0007**
Victor, CO 80860	Reported: 14-Aug-24 16:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-10	X4H0007-01	Ground Water	31-Jul-24 12:30	TR	01-Aug-2024	
GVMW-24A	X4H0007-02	Ground Water	31-Jul-24 10:20	TR	01-Aug-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: X4H0007

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: **X4H0007**
Reported: 14-Aug-24 16:04

Client Sample ID: **GVMW-10**
SVL Sample ID: **X4H0007-01 (Ground Water)**

Sampled: 31-Jul-24 12:30
Received: 01-Aug-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	343	mg/L	0.100	0.069		X432014	SJN	08/06/24 12:52	
EPA 200.7	**Magnesium**	146	mg/L	0.500	0.090		X432014	SJN	08/06/24 12:52	
EPA 200.7	**Potassium**	3.08	mg/L	0.50	0.18		X432014	SJN	08/06/24 12:52	
SM 2340 B	**Hardness (as CaCO3)**	1460	mg/L	2.31	0.543		N/A		08/12/24 13:39	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X432054	SJN	08/12/24 13:39	
EPA 200.7	**Barium**	0.0179	mg/L	0.0020	0.0019		X432054	SJN	08/12/24 13:39	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X432054	SJN	08/12/24 13:39	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X432054	SJN	08/12/24 13:39	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X432054	SJN	08/12/24 13:39	
EPA 200.7	**Calcium**	365	mg/L	0.100	0.069		X432054	SJN	08/12/24 13:39	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X432054	SJN	08/12/24 13:39	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X432054	SJN	08/12/24 13:39	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X432054	SJN	08/12/24 13:39	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X432054	SJN	08/12/24 13:39	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X432054	SJN	08/12/24 13:39	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X432054	SJN	08/13/24 10:19	
EPA 200.7	**Magnesium**	152	mg/L	0.500	0.090		X432054	SJN	08/12/24 13:39	
EPA 200.7	**Manganese**	0.820	mg/L	0.0080	0.0034		X432054	SJN	08/12/24 13:39	
EPA 200.7	**Molybdenum**	0.0286	mg/L	0.0080	0.0034		X432054	SJN	08/12/24 13:39	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X432054	SJN	08/12/24 13:39	
EPA 200.7	**Potassium**	2.98	mg/L	0.50	0.18		X432054	SJN	08/12/24 13:39	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X432054	SJN	08/12/24 13:39	
EPA 200.7	**Sodium**	81.4	mg/L	0.50	0.12		X432054	SJN	08/12/24 13:39	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X432054	SJN	08/12/24 13:39	
EPA 200.7	**Zinc**	0.124	mg/L	0.0100	0.0054		X432054	SJN	08/12/24 13:39	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X432010	JRR	08/12/24 18:00	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X432010	JRR	08/12/24 18:00	
EPA 200.8	**Selenium**	0.00923	mg/L	0.00100	0.00024		X432010	JRR	08/12/24 18:00	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X432010	JRR	08/12/24 18:00	
EPA 200.8	**Uranium**	0.0693	mg/L	0.000100	0.000052		X432010	JRR	08/12/24 18:00	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X431256	MAC	08/06/24 13:22	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X433108	DD	08/14/24 12:15	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X433008	DD	08/13/24 09:55	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X432087	DD	08/09/24 12:28	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X432099	DD	08/06/24 15:02	
SM 2320 B	**Total Alkalinity**	313	mg/L as CaCO3	1.0			X431237	MWD	08/02/24 21:45	
SM 2320 B	**Bicarbonate**	313	mg/L as CaCO3	1.0			X431237	MWD	08/02/24 21:45	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X431237	MWD	08/02/24 21:45	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X431237	MWD	08/02/24 21:45	
SM 2540 C	**Total Diss. Solids**	2320	mg/L	40			X431222	TJL	08/05/24 12:35	R2B
SM 2540 D	**Total Susp. Solids**	19.0	mg/L	5.0			X431223	TJL	08/05/24 12:40	R2B
SM 4500 H B	**pH @24.5°C**	7.7	pH Units				X431237	MWD	08/02/24 21:45	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: **X4H0007**
Reported: 14-Aug-24 16:04

Client Sample ID: **GVMW-10**
SVL Sample ID: **X4H0007-01 (Ground Water)**

Sampled: 31-Jul-24 12:30
Received: 01-Aug-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.35	mg/L	0.20	0.02		X431217	RS	08/01/24 13:49	
EPA 300.0	**Fluoride**	0.423	mg/L	0.100	0.017		X431217	RS	08/01/24 13:49	
EPA 300.0	**Nitrate as N**	0.435	mg/L	0.050	0.013		X431217	RS	08/01/24 13:49	
EPA 300.0	**Nitrate+Nitrite as N**	0.449	mg/L	0.100	0.044		X431217	RS	08/01/24 13:49	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X431217	RS	08/01/24 13:49	
EPA 300.0	**Sulfate as SO4**	1420	mg/L	15.0	9.00	50	X431217	RS	08/01/24 14:05	

Cation/Anion Balance and TDS Ratios

Cation Sum: 32.8 meq/L Anion Sum: 36.0 meq/L C/A Balance: -4.69 % Calculated TDS: 2203 TDS/cTDS: 1.05

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4H0007**
Reported: 14-Aug-24 16:04

Client Sample ID: **GVMW-24A**
SVL Sample ID: **X4H0007-02 (Ground Water)**

Sampled: 31-Jul-24 10:20
Received: 01-Aug-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	127	mg/L	0.100	0.069		X432014	SJN	08/06/24 13:26	
EPA 200.7	**Magnesium**	54.7	mg/L	0.500	0.090		X432014	SJN	08/06/24 13:26	
EPA 200.7	**Potassium**	14.4	mg/L	0.50	0.18		X432014	SJN	08/06/24 13:26	
SM 2340 B	**Hardness (as CaCO3)**	542	mg/L	2.31	0.543		N/A		08/12/24 13:42	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X432054	SJN	08/12/24 13:42	
EPA 200.7	**Barium**	0.0490	mg/L	0.0020	0.0019		X432054	SJN	08/12/24 13:42	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X432054	SJN	08/12/24 13:42	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X432054	SJN	08/12/24 13:42	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X432054	SJN	08/12/24 13:42	
EPA 200.7	**Calcium**	104	mg/L	0.100	0.069		X432054	SJN	08/12/24 13:42	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X432054	SJN	08/12/24 13:42	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X432054	SJN	08/12/24 13:42	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X432054	SJN	08/12/24 13:42	
EPA 200.7	**Iron**	0.325	mg/L	0.100	0.056		X432054	SJN	08/12/24 13:42	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X432054	SJN	08/12/24 13:42	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X432054	SJN	08/13/24 10:22	
EPA 200.7	**Magnesium**	38.5	mg/L	0.500	0.090		X432054	SJN	08/12/24 13:42	
EPA 200.7	**Manganese**	0.529	mg/L	0.0080	0.0034		X432054	SJN	08/12/24 13:42	
EPA 200.7	**Molybdenum**	0.0547	mg/L	0.0080	0.0034		X432054	SJN	08/12/24 13:42	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X432054	SJN	08/12/24 13:42	
EPA 200.7	**Potassium**	1.31	mg/L	0.50	0.18		X432054	SJN	08/12/24 13:42	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X432054	SJN	08/12/24 13:42	
EPA 200.7	**Sodium**	132	mg/L	0.50	0.12		X432054	SJN	08/12/24 13:42	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X432054	SJN	08/12/24 13:42	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X432054	SJN	08/12/24 13:42	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X432010	JRR	08/12/24 18:51	
EPA 200.8	**Arsenic**	0.00146	mg/L	0.00100	0.00021		X432010	JRR	08/12/24 18:51	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X432010	JRR	08/12/24 18:51	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X432010	JRR	08/12/24 18:51	
EPA 200.8	**Uranium**	0.0161	mg/L	0.000100	0.000052		X432010	JRR	08/12/24 18:51	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X431256	MAC	08/06/24 13:24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X433108	DD	08/14/24 12:17	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X433008	DD	08/13/24 09:58	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X432087	DD	08/09/24 12:39	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X432099	DD	08/06/24 15:03	
SM 2310 B	**Acidity to pH 8.3**	-162	mg/L as CaCO3	10.0			X432207	MWD	08/09/24 14:25	
SM 2320 B	**Total Alkalinity**	166	mg/L as CaCO3	1.0			X431237	MWD	08/02/24 21:51	
SM 2320 B	**Bicarbonate**	166	mg/L as CaCO3	1.0			X431237	MWD	08/02/24 21:51	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X431237	MWD	08/02/24 21:51	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X431237	MWD	08/02/24 21:51	
SM 2540 C	**Total Diss. Solids**	799	mg/L	12			X431222	TJL	08/05/24 12:35	
SM 2540 D	**Total Susp. Solids**	12.9	mg/L	5.9			X431223	TJL	08/05/24 12:40	
SM 4500 H B	**pH @24.5°C**	7.9	pH Units				X431237	MWD	08/02/24 21:51	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: **X4H0007**
Reported: 14-Aug-24 16:04

Client Sample ID: **GVMW-24A**
SVL Sample ID: **X4H0007-02 (Ground Water)**

Sampled: 31-Jul-24 10:20
Received: 01-Aug-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.55	mg/L	0.20	0.02		X431217	RS	08/01/24 14:22	
EPA 300.0	**Fluoride**	0.916	mg/L	0.100	0.017		X431217	RS	08/01/24 14:22	
EPA 300.0	**Nitrate as N**	0.089	mg/L	0.050	0.013		X431217	RS	08/01/24 14:22	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X431217	RS	08/01/24 14:22	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X431217	RS	08/01/24 14:22	
EPA 300.0	**Sulfate as SO4**	554	mg/L	15.0	9.00	50	X431217	RS	08/01/24 14:38	

Cation/Anion Balance and TDS Ratios

Cation Sum: 14.2 meq/L Anion Sum: 15.0 meq/L C/A Balance: -2.93 % Calculated TDS: 961 TDS/cTDS: 0.83

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4H0007**
Reported: 14-Aug-24 16:04

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X432014	06-Aug-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X432014	06-Aug-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X432014	06-Aug-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X432054	12-Aug-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X432054	12-Aug-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X432054	12-Aug-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X432054	12-Aug-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X432054	12-Aug-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X432054	12-Aug-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X432054	12-Aug-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X432054	12-Aug-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X432054	12-Aug-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X432054	12-Aug-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X432054	12-Aug-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X432054	13-Aug-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X432054	12-Aug-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X432054	12-Aug-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X432054	12-Aug-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X432054	12-Aug-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X432054	12-Aug-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X432054	12-Aug-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X432054	12-Aug-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X432054	12-Aug-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X432054	12-Aug-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X432010	12-Aug-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X432010	12-Aug-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X432010	12-Aug-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X432010	12-Aug-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X432010	12-Aug-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X431256	06-Aug-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X433108	14-Aug-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X433008	13-Aug-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X432087	09-Aug-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X432099	06-Aug-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X432207	09-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X431237	02-Aug-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X431237	02-Aug-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X431237	02-Aug-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X431237	02-Aug-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X431222	05-Aug-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X431223	05-Aug-24	
SM 4500 H B	pH @25.0°C	pH Units	5.9			X431237	02-Aug-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X431217	01-Aug-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X431217	01-Aug-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X431217	01-Aug-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X431217	01-Aug-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X431217	01-Aug-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X431217	01-Aug-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: **X4H0007**
Reported: 14-Aug-24 16:04

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.7	20.0	98	85 - 115	X432014	06-Aug-24	
EPA 200.7	Magnesium	mg/L	20.0	20.0	100	85 - 115	X432014	06-Aug-24	
EPA 200.7	Potassium	mg/L	19.4	20.0	96.8	85 - 115	X432014	06-Aug-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.969	1.00	96.9	85 - 115	X432054	12-Aug-24	
EPA 200.7	Barium	mg/L	0.971	1.00	97.1	85 - 115	X432054	12-Aug-24	
EPA 200.7	Beryllium	mg/L	0.984	1.00	98.4	85 - 115	X432054	12-Aug-24	
EPA 200.7	Boron	mg/L	0.960	1.00	96.0	85 - 115	X432054	12-Aug-24	
EPA 200.7	Cadmium	mg/L	0.965	1.00	96.5	85 - 115	X432054	12-Aug-24	
EPA 200.7	Calcium	mg/L	19.2	20.0	95.9	85 - 115	X432054	12-Aug-24	
EPA 200.7	Chromium	mg/L	1.01	1.00	101	85 - 115	X432054	12-Aug-24	
EPA 200.7	Cobalt	mg/L	0.958	1.00	95.8	85 - 115	X432054	12-Aug-24	
EPA 200.7	Copper	mg/L	0.977	1.00	97.7	85 - 115	X432054	12-Aug-24	
EPA 200.7	Iron	mg/L	9.82	10.0	98.2	85 - 115	X432054	12-Aug-24	
EPA 200.7	Lead	mg/L	0.960	1.00	96.0	85 - 115	X432054	12-Aug-24	
EPA 200.7	Lithium	mg/L	0.950	1.00	95.0	85 - 115	X432054	13-Aug-24	
EPA 200.7	Magnesium	mg/L	19.6	20.0	98.2	85 - 115	X432054	12-Aug-24	
EPA 200.7	Manganese	mg/L	0.961	1.00	96.1	85 - 115	X432054	12-Aug-24	
EPA 200.7	Molybdenum	mg/L	0.970	1.00	97.0	85 - 115	X432054	12-Aug-24	
EPA 200.7	Nickel	mg/L	0.976	1.00	97.6	85 - 115	X432054	12-Aug-24	
EPA 200.7	Potassium	mg/L	19.4	20.0	97.1	85 - 115	X432054	12-Aug-24	
EPA 200.7	Silver	mg/L	0.0486	0.0500	97.2	85 - 115	X432054	12-Aug-24	
EPA 200.7	Sodium	mg/L	18.6	19.0	98.1	85 - 115	X432054	12-Aug-24	
EPA 200.7	Vanadium	mg/L	0.994	1.00	99.4	85 - 115	X432054	12-Aug-24	
EPA 200.7	Zinc	mg/L	0.971	1.00	97.1	85 - 115	X432054	12-Aug-24	
EPA 200.8	Antimony	mg/L	0.0236	0.0250	94.6	85 - 115	X432010	12-Aug-24	
EPA 200.8	Arsenic	mg/L	0.0241	0.0250	96.4	85 - 115	X432010	12-Aug-24	
EPA 200.8	Selenium	mg/L	0.0235	0.0250	93.9	85 - 115	X432010	12-Aug-24	
EPA 200.8	Thallium	mg/L	0.0235	0.0250	94.0	85 - 115	X432010	12-Aug-24	
EPA 200.8	Uranium	mg/L	0.0234	0.0250	93.4	85 - 115	X432010	12-Aug-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00212	0.00200	106	85 - 115	X431256	06-Aug-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0980	0.100	98.0	90 - 110	X433108	14-Aug-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X433008	13-Aug-24	
EPA 350.1	Ammonia as N	mg/L	0.999	1.00	99.9	90 - 110	X432087	09-Aug-24	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	102	90 - 110	X432099	06-Aug-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	897	884	101	95.4 - 104	X432207	09-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.8	99.3	99.5	96.4 - 105	X431237	02-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	406	397	102	96.4 - 105	X431237	02-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.60	9.93	96.7	96.4 - 105	X431237	05-Aug-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X431223	05-Aug-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.05	3.00	102	90 - 110	X431217	01-Aug-24	
EPA 300.0	Fluoride	mg/L	2.01	2.00	101	90 - 110	X431217	01-Aug-24	
EPA 300.0	Nitrate as N	mg/L	2.01	2.00	100	90 - 110	X431217	01-Aug-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.55	4.50	101	90 - 110	X431217	01-Aug-24	
EPA 300.0	Nitrite as N	mg/L	2.55	2.50	102	90 - 110	X431217	01-Aug-24	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X431217	01-Aug-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4H0007**
Reported: 14-Aug-24 16:04

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	7380	7380	0.0	20	X432207 - X4G0508-01	09-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	126	127	0.8	20	X431237 - X4G0492-02	02-Aug-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	126	127	0.8	20	X431237 - X4G0492-02	02-Aug-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X431237 - X4G0492-02	02-Aug-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X431237 - X4G0492-02	02-Aug-24	
SM 2540 C	Total Diss. Solids	mg/L	2810	2320	19.0	10	X431222 - X4H0007-01	05-Aug-24	R2B
SM 2540 C	Total Diss. Solids	mg/L	826	829	0.4	10	X431222 - X4H0006-03	05-Aug-24	
SM 2540 D	Total Susp. Solids	mg/L	16.0	19.0	17.1	10	X431223 - X4H0007-01	05-Aug-24	R2B
SM 4500 H B	pH @24.9°C	pH Units	8.1	8.1	0.7	20	X431237 - X4G0492-02	02-Aug-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	43.3	22.6	20.0	104	70 - 130	X432014 - X4G0509-01	06-Aug-24	
EPA 200.7	Calcium	mg/L	37.1	16.7	20.0	102	70 - 130	X432014 - X4H0028-04	06-Aug-24	
EPA 200.7	Magnesium	mg/L	22.8	2.26	20.0	103	70 - 130	X432014 - X4G0509-01	06-Aug-24	
EPA 200.7	Magnesium	mg/L	21.3	0.980	20.0	101	70 - 130	X432014 - X4H0028-04	06-Aug-24	
EPA 200.7	Potassium	mg/L	20.4	<0.50	20.0	99.9	70 - 130	X432014 - X4G0509-01	06-Aug-24	
EPA 200.7	Potassium	mg/L	19.9	<0.50	20.0	99.4	70 - 130	X432014 - X4H0028-04	06-Aug-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.04	<0.080	1.00	104	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Aluminum	mg/L	1.01	<0.080	1.00	101	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Barium	mg/L	1.03	0.0179	1.00	102	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Barium	mg/L	1.02	0.0279	1.00	99.6	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Beryllium	mg/L	1.01	<0.00200	1.00	101	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Beryllium	mg/L	0.998	<0.00200	1.00	99.8	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Boron	mg/L	1.01	<0.0400	1.00	98.9	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Boron	mg/L	1.24	0.258	1.00	98.0	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Cadmium	mg/L	1.01	<0.0020	1.00	101	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Cadmium	mg/L	1.03	<0.0020	1.00	103	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Calcium	mg/L	380	365	20.0	79.0	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Calcium	mg/L	549	537	20.0	0.30R>S	70 - 130	X432054 - X4H0035-19	12-Aug-24	M3
EPA 200.7	Chromium	mg/L	1.01	<0.0060	1.00	101	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Chromium	mg/L	1.03	0.0167	1.00	101	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Cobalt	mg/L	0.946	<0.0060	1.00	94.6	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Cobalt	mg/L	0.972	<0.0060	1.00	97.2	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Copper	mg/L	1.02	<0.0100	1.00	102	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Copper	mg/L	1.03	<0.0100	1.00	103	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	101	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Iron	mg/L	9.96	<0.100	10.0	99.6	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Lead	mg/L	0.955	<0.0075	1.00	95.5	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Lead	mg/L	0.952	<0.0075	1.00	95.2	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Lithium	mg/L	1.03	<0.040	1.00	103	70 - 130	X432054 - X4H0007-01	13-Aug-24	
EPA 200.7	Lithium	mg/L	1.28	0.271	1.00	101	70 - 130	X432054 - X4H0035-19	13-Aug-24	
EPA 200.7	Magnesium	mg/L	171	152	20.0	99.3	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Magnesium	mg/L	101	81.7	20.0	98.8	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Manganese	mg/L	1.81	0.820	1.00	99.5	70 - 130	X432054 - X4H0007-01	12-Aug-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4H0007**
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Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.978	<0.0080	1.00	97.8	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Molybdenum	mg/L	1.02	0.0286	1.00	99.2	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Molybdenum	mg/L	1.00	<0.0080	1.00	100	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Nickel	mg/L	0.959	<0.0100	1.00	95.2	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Nickel	mg/L	0.966	<0.0100	1.00	96.6	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Potassium	mg/L	24.1	2.98	20.0	105	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Potassium	mg/L	28.3	7.38	20.0	104	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Silver	mg/L	0.0493	<0.0050	0.0500	98.7	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Silver	mg/L	0.0520	<0.0050	0.0500	104	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Sodium	mg/L	101	81.4	19.0	104	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Sodium	mg/L	418	402	19.0	87.2	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Vanadium	mg/L	1.02	<0.0050	1.00	102	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Vanadium	mg/L	1.04	<0.0050	1.00	103	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.7	Zinc	mg/L	1.09	0.124	1.00	96.1	70 - 130	X432054 - X4H0007-01	12-Aug-24	
EPA 200.7	Zinc	mg/L	0.998	0.0168	1.00	98.2	70 - 130	X432054 - X4H0035-19	12-Aug-24	
EPA 200.8	Antimony	mg/L	0.0248	<0.00100	0.0250	99.2	70 - 130	X432010 - X4H0007-01	12-Aug-24	
EPA 200.8	Antimony	mg/L	0.0250	<0.00100	0.0250	99.9	70 - 130	X432010 - X4H0022-01	12-Aug-24	
EPA 200.8	Arsenic	mg/L	0.0295	<0.00100	0.0250	115	70 - 130	X432010 - X4H0007-01	12-Aug-24	
EPA 200.8	Arsenic	mg/L	0.0276	<0.00100	0.0250	110	70 - 130	X432010 - X4H0022-01	12-Aug-24	
EPA 200.8	Selenium	mg/L	0.0366	0.00923	0.0250	109	70 - 130	X432010 - X4H0007-01	12-Aug-24	
EPA 200.8	Selenium	mg/L	0.0388	0.00946	0.0250	117	70 - 130	X432010 - X4H0022-01	12-Aug-24	
EPA 200.8	Thallium	mg/L	0.0226	<0.000200	0.0250	90.2	70 - 130	X432010 - X4H0007-01	12-Aug-24	
EPA 200.8	Thallium	mg/L	0.0244	<0.000200	0.0250	97.7	70 - 130	X432010 - X4H0022-01	12-Aug-24	
EPA 200.8	Uranium	mg/L	0.0969	0.0693	0.0250	110	70 - 130	X432010 - X4H0007-01	12-Aug-24	
EPA 200.8	Uranium	mg/L	0.0389	0.0125	0.0250	106	70 - 130	X432010 - X4H0022-01	12-Aug-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00207	<0.000200	0.00200	104	70 - 130	X431256 - X4G0494-02	06-Aug-24	
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	106	70 - 130	X431256 - X4H0030-02	06-Aug-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.107	<0.0050	0.100	107	79 - 121	X433108 - X4H0007-01	14-Aug-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	<0.0050	0.100	103	90 - 110	X433008 - X4H0007-01	13-Aug-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X433008 - X4H0007-02	13-Aug-24	
EPA 350.1	Ammonia as N	mg/L	1.03	0.150	1.00	88.5	90 - 110	X432087 - X4G0508-01	09-Aug-24	M2
EPA 350.1	Ammonia as N	mg/L	0.997	<0.030	1.00	99.7	90 - 110	X432087 - X4G0508-02	09-Aug-24	
OIA 1677	Cyanide (WAD)	mg/L	0.102	<0.0050	0.100	102	82 - 118	X432099 - X4H0007-01	06-Aug-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.52	0.46	3.00	102	90 - 110	X431217 - X4G0497-02	01-Aug-24	
EPA 300.0	Chloride	mg/L	8.86	5.74	3.00	104	90 - 110	X431217 - X4G0499-07	01-Aug-24	
EPA 300.0	Fluoride	mg/L	2.02	<0.100	2.00	100	90 - 110	X431217 - X4G0497-02	01-Aug-24	
EPA 300.0	Fluoride	mg/L	1.62	0.193	2.00	71.4	90 - 110	X431217 - X4G0499-07	01-Aug-24	M2
EPA 300.0	Nitrate as N	mg/L	2.14	0.127	2.00	101	90 - 110	X431217 - X4G0497-02	01-Aug-24	
EPA 300.0	Nitrate as N	mg/L	2.01	<0.050	2.00	101	90 - 110	X431217 - X4G0499-07	01-Aug-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.18	0.127	4.00	101	90 - 110	X431217 - X4G0497-02	01-Aug-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.06	<0.100	4.00	101	90 - 110	X431217 - X4G0499-07	01-Aug-24	
EPA 300.0	Nitrite as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X431217 - X4G0497-02	01-Aug-24	
EPA 300.0	Nitrite as N	mg/L	2.05	<0.050	2.00	102	90 - 110	X431217 - X4G0499-07	01-Aug-24	
EPA 300.0	Sulfate as SO4	mg/L	11.2	1.28	10.0	99.7	90 - 110	X431217 - X4G0497-02	01-Aug-24	
EPA 300.0	Sulfate as SO4	mg/L	1520	1530	10.0	0.30R>S	90 - 110	X431217 - X4G0499-07	01-Aug-24	M4

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4H0007**
Reported: 14-Aug-24 16:04

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	42.8	43.3	20.0	1.0	20	101	X432014 - X4G0509-01	
EPA 200.7	Magnesium	mg/L	22.6	22.8	20.0	0.8	20	102	X432014 - X4G0509-01	
EPA 200.7	Potassium	mg/L	20.3	20.4	20.0	0.4	20	99.5	X432014 - X4G0509-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.09	1.04	1.00	4.5	20	109	X432054 - X4H0007-01	
EPA 200.7	Barium	mg/L	1.05	1.03	1.00	1.8	20	103	X432054 - X4H0007-01	
EPA 200.7	Beryllium	mg/L	1.02	1.01	1.00	1.4	20	102	X432054 - X4H0007-01	
EPA 200.7	Boron	mg/L	1.04	1.01	1.00	2.9	20	102	X432054 - X4H0007-01	
EPA 200.7	Cadmium	mg/L	1.05	1.01	1.00	3.3	20	105	X432054 - X4H0007-01	
EPA 200.7	Calcium	mg/L	389	380	20.0	2.3	20	123	X432054 - X4H0007-01	
EPA 200.7	Chromium	mg/L	1.03	1.01	1.00	1.6	20	103	X432054 - X4H0007-01	
EPA 200.7	Cobalt	mg/L	0.981	0.946	1.00	3.7	20	98.1	X432054 - X4H0007-01	
EPA 200.7	Copper	mg/L	1.05	1.02	1.00	3.0	20	105	X432054 - X4H0007-01	
EPA 200.7	Iron	mg/L	10.3	10.1	10.0	2.1	20	103	X432054 - X4H0007-01	
EPA 200.7	Lead	mg/L	0.981	0.955	1.00	2.7	20	98.1	X432054 - X4H0007-01	
EPA 200.7	Lithium	mg/L	1.05	1.03	1.00	2.4	20	105	X432054 - X4H0007-01	
EPA 200.7	Magnesium	mg/L	173	171	20.0	1.0	20	108	X432054 - X4H0007-01	
EPA 200.7	Manganese	mg/L	1.82	1.81	1.00	0.5	20	100	X432054 - X4H0007-01	
EPA 200.7	Molybdenum	mg/L	1.06	1.02	1.00	3.5	20	103	X432054 - X4H0007-01	
EPA 200.7	Nickel	mg/L	0.990	0.959	1.00	3.3	20	98.4	X432054 - X4H0007-01	
EPA 200.7	Potassium	mg/L	24.6	24.1	20.0	2.1	20	108	X432054 - X4H0007-01	
EPA 200.7	Silver	mg/L	0.0510	0.0493	0.0500	3.3	20	102	X432054 - X4H0007-01	
EPA 200.7	Sodium	mg/L	102	101	19.0	0.8	20	108	X432054 - X4H0007-01	
EPA 200.7	Vanadium	mg/L	1.05	1.02	1.00	2.9	20	105	X432054 - X4H0007-01	
EPA 200.7	Zinc	mg/L	1.12	1.09	1.00	3.0	20	99.5	X432054 - X4H0007-01	
EPA 200.8	Antimony	mg/L	0.0249	0.0248	0.0250	0.6	20	99.7	X432010 - X4H0007-01	
EPA 200.8	Arsenic	mg/L	0.0301	0.0295	0.0250	1.8	20	117	X432010 - X4H0007-01	
EPA 200.8	Selenium	mg/L	0.0366	0.0366	0.0250	0.0	20	109	X432010 - X4H0007-01	
EPA 200.8	Thallium	mg/L	0.0210	0.0226	0.0250	7.2	20	83.9	X432010 - X4H0007-01	
EPA 200.8	Uranium	mg/L	0.0950	0.0969	0.0250	2.0	20	103	X432010 - X4H0007-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00206	0.00207	0.00200	0.8	20	103	X431256 - X4G0494-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.110	0.107	0.100	2.8	11	110	X433108 - X4H0007-01	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.103	0.100	0.1	20	103	X433008 - X4H0007-01	
EPA 350.1	Ammonia as N	mg/L	1.04	1.03	1.00	0.1	20	88.6	X432087 - X4G0508-01	M2
OIA 1677	Cyanide (WAD)	mg/L	0.109	0.102	0.100	6.6	11	109	X432099 - X4H0007-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.89	8.86	3.00	0.3	20	105	X431217 - X4G0499-07	
EPA 300.0	Fluoride	mg/L	1.61	1.62	2.00	0.4	20	71.1	X431217 - X4G0499-07	M2
EPA 300.0	Nitrate as N	mg/L	2.04	2.01	2.00	1.1	20	102	X431217 - X4G0499-07	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.11	4.06	4.00	1.1	20	103	X431217 - X4G0499-07	
EPA 300.0	Nitrite as N	mg/L	2.07	2.05	2.00	1.2	20	103	X431217 - X4G0499-07	
EPA 300.0	Sulfate as SO4	mg/L	1510	1520	10.0	0.5	20	0.30R>S	X431217 - X4G0499-07	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4H0007**
Victor, CO 80860	Reported: 14-Aug-24 16:04

Notes and Definitions

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

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4G0253**
Victor, CO 80860	Reported: 30-Jul-24 11:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
Seep-1	X4G0253-01	Ground Water	16-Jul-24 12:14	KR	17-Jul-2024	
Seep-2	X4G0253-02	Ground Water	16-Jul-24 12:35	KR	17-Jul-2024	
GV-06	X4G0253-03	Surface Water	16-Jul-24 09:39	KR	17-Jul-2024	
GV-05	X4G0253-04	Surface Water	16-Jul-24 10:37	KR	17-Jul-2024	
GV-4.5	X4G0253-05	Surface Water	16-Jul-24 10:08	KR	17-Jul-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: X4G0253

Samples treated with CdCO3 before CN analysis for sulfide interference at client request.
The state of origin only accredits for drinking water analyses.

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: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **Seep-1**
SVL Sample ID: **X4G0253-01 (Ground Water)**

Sampled: 16-Jul-24 12:14
Received: 17-Jul-24
Sampled By: KR

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**	459	mg/L	10.0	6.90	100	X430007	SJN	07/24/24 12:15	
EPA 200.7	**Magnesium**	1110	mg/L	50.0	9.00	100	X430007	SJN	07/24/24 12:15	
EPA 200.7	Potassium	< 50.0	mg/L	50.0	18.0	100	X430007	SJN	07/24/24 12:15	D1
SM 2340 B	**Hardness (as CaCO3)**	5720	mg/L	231	54.3		N/A		07/23/24 10:46	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	5100	mg/L	8.00	5.40	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	Barium	< 0.200	mg/L	0.200	0.190	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Beryllium**	0.694	mg/L	0.200	0.0800	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	Boron	< 4.00	mg/L	4.00	0.780	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Cadmium**	15.2	mg/L	0.200	0.160	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Calcium**	493	mg/L	10.0	6.90	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Chromium**	1.40	mg/L	0.600	0.200	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Cobalt**	15.6	mg/L	0.600	0.460	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Copper**	30.0	mg/L	1.00	0.270	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Iron**	2340	mg/L	10.0	5.60	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	Lead	< 0.750	mg/L	0.750	0.490	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	Lithium	< 4.00	mg/L	4.00	2.50	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Magnesium**	1190	mg/L	50.0	9.00	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Manganese**	1530	mg/L	0.800	0.340	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	Molybdenum	< 0.800	mg/L	0.800	0.340	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Nickel**	12.3	mg/L	1.00	0.480	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	Potassium	< 50.0	mg/L	50.0	18.0	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	Silver	< 0.500	mg/L	0.500	0.190	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Sodium**	52.1	mg/L	50.0	12.0	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	Vanadium	< 0.500	mg/L	0.500	0.190	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.7	**Zinc**	248	mg/L	1.00	0.540	100	X430053	NMS	07/23/24 10:46	D1
EPA 200.8	Antimony	< 1.00	mg/L	1.00	0.720	1000	X429204	JRR	07/24/24 10:02	D1
EPA 200.8	Arsenic	< 1.00	mg/L	1.00	0.210	1000	X429204	JRR	07/24/24 10:02	D1
EPA 200.8	Selenium	< 1.00	mg/L	1.00	0.240	1000	X429204	JRR	07/24/24 10:02	D1
EPA 200.8	Thallium	< 0.200	mg/L	0.200	0.0800	1000	X429204	JRR	07/24/24 10:02	D1
EPA 200.8	**Uranium**	17.4	mg/L	0.100	0.0520	1000	X429204	JRR	07/24/24 10:02	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X429236	MAC	07/29/24 16:48	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X430067	DD	07/26/24 13:17	D1,N1,Q12,Q20,V9
EPA 335.4	**Cyanide (total)**	0.0393	mg/L	0.0050	0.0038		X430014	DD	07/23/24 16:29	
EPA 350.1	Ammonia as N	< 3.00	mg/L	3.00	1.27	100	X429168	DD	07/19/24 12:24	D14
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X430078	DD	07/23/24 16:34	D1,N1,Q12
SM 2310 B	**Acidity to pH 8.3**	36800	mg/L as CaCO3	10.0			X430198	MWD	07/26/24 11:20	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:27	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:27	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:27	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:27	
SM 2540 C	**Total Diss. Solids**	59600	mg/L	100			X429116	TJL	07/19/24 12:45	E11
SM 2540 D	**Total Susp. Solids**	272	mg/L	5.0			X429117	TJL	07/19/24 12:20	
SM 4500 H B	**pH @22.9°C**	2.4	pH Units				X429127	MWD	07/18/24 12:27	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: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **Seep-1**
SVL Sample ID: **X4G0253-01 (Ground Water)**

Sampled: 16-Jul-24 12:14
Received: 17-Jul-24
Sampled By: KR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.6	mg/L	10.0	1.10	50	X429134	KAG	07/18/24 10:39	
EPA 300.0	**Fluoride**	293	mg/L	5.00	0.850	50	X429134	KAG	07/18/24 10:39	
EPA 300.0	**Nitrate as N**	9.77	mg/L	2.50	0.650	50	X429134	KAG	07/18/24 10:39	
EPA 300.0	**Nitrate+Nitrite as N**	9.77	mg/L	5.00	2.20	50	X429134	KAG	07/18/24 10:39	
EPA 300.0	Nitrite as N	< 2.50	mg/L	2.50	1.55	50	X429134	KAG	07/18/24 10:39	D1
EPA 300.0	**Sulfate as SO4**	44500	mg/L	300	180	1000	X429134	KAG	07/18/24 13:41	

Cation/Anion Balance and TDS Ratios

Cation Sum: 853 meq/L Anion Sum: 943 meq/L C/A Balance: -5.01 % Calculated TDS: 46526 TDS/cTDS: 1.28

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **Seep-2**
SVL Sample ID: **X4G0253-02 (Ground Water)**

Sampled: 16-Jul-24 12:35
Received: 17-Jul-24
Sampled By: KR

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**	503	mg/L	20.0	13.8	100	X430007	SJN	07/24/24 12:19	D1
EPA 200.7	**Magnesium**	2050	mg/L	100	18.0	100	X430007	SJN	07/24/24 12:19	
EPA 200.7	Potassium	< 100	mg/L	100	36.0	100	X430007	SJN	07/24/24 12:19	D1
SM 2340 B	**Hardness (as CaCO3)**	9850	mg/L	256	71.5		N/A		07/24/24 12:19	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	15300	mg/L	8.00	5.40	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	Barium	< 0.200	mg/L	0.200	0.190	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Beryllium**	1.31	mg/L	0.200	0.0800	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	Boron	< 4.00	mg/L	4.00	0.780	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Cadmium**	67.0	mg/L	0.200	0.160	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Calcium**	500	mg/L	10.0	6.90	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Chromium**	4.64	mg/L	0.600	0.200	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Cobalt**	38.8	mg/L	0.600	0.460	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Copper**	159	mg/L	1.00	0.270	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Iron**	13400	mg/L	10.0	5.60	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	Lead	< 0.750	mg/L	0.750	0.490	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Lithium**	9.25	mg/L	4.00	2.50	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Magnesium**	2090	mg/L	50.0	9.00	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Manganese**	5850	mg/L	0.800	0.340	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	Molybdenum	< 0.800	mg/L	0.800	0.340	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Nickel**	26.2	mg/L	1.00	0.480	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	Potassium	< 50.0	mg/L	50.0	18.0	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	Silver	< 0.500	mg/L	0.500	0.190	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	Sodium	< 50.0	mg/L	50.0	12.0	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	Vanadium	< 0.500	mg/L	0.500	0.190	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.7	**Zinc**	3060	mg/L	1.00	0.540	100	X430053	NMS	07/23/24 10:50	D1
EPA 200.8	Antimony	< 1.00	mg/L	1.00	0.720	1000	X429204	JRR	07/24/24 10:05	D1
EPA 200.8	**Arsenic**	14.8	mg/L	1.00	0.210	1000	X429204	JRR	07/24/24 10:05	
EPA 200.8	Selenium	< 1.00	mg/L	1.00	0.240	1000	X429204	JRR	07/24/24 10:05	D1
EPA 200.8	Thallium	< 0.200	mg/L	0.200	0.0800	1000	X429204	JRR	07/24/24 10:05	D1
EPA 200.8	**Uranium**	87.9	mg/L	0.100	0.0520	1000	X429204	JRR	07/24/24 10:05	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X429236	MAC	07/29/24 16:50	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X430067	DD	07/26/24 13:19	D1,N1,Q12,Q20,V9
EPA 335.4	**Cyanide (total)**	0.0243	mg/L	0.0050	0.0038		X430014	DD	07/23/24 16:32	
EPA 350.1	Ammonia as N	< 3.00	mg/L	3.00	1.27	100	X429168	DD	07/19/24 12:36	D14
OIA 1677	Cyanide (WAD)	< 0.100	mg/L	0.100	0.0200	20	X430078	DD	07/23/24 16:35	D1,N1,Q12
SM 2310 B	**Acidity to pH 8.3**	123000	mg/L as CaCO3	10.0			X430198	MWD	07/26/24 11:20	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:32	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:32	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:32	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:32	
SM 2540 C	**Total Diss. Solids**	194000	mg/L	100			X429116	TJL	07/19/24 12:45	E11
SM 2540 D	**Total Susp. Solids**	847	mg/L	5.0			X429117	TJL	07/19/24 12:20	
SM 4500 H B	**pH @22.8°C**	2.1	pH Units				X429127	MWD	07/18/24 12:32	H5

SVL holds the following certifications:
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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: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **Seep-2**
SVL Sample ID: **X4G0253-02 (Ground Water)**

Sampled: 16-Jul-24 12:35
Received: 17-Jul-24
Sampled By: KR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 20.0	mg/L	20.0	2.20	100	X429134	KAG	07/18/24 11:12	D1
EPA 300.0	**Fluoride**	2080	mg/L	500	85.0	5000	X429134	KAG	07/18/24 11:29	
EPA 300.0	**Nitrate as N**	8.76	mg/L	5.00	1.30	100	X429134	KAG	07/18/24 11:12	
EPA 300.0	Nitrate+Nitrite as N	< 10.0	mg/L	10.0	4.40	100	X429134	KAG	07/18/24 11:12	D1
EPA 300.0	Nitrite as N	< 5.00	mg/L	5.00	3.10	100	X429134	KAG	07/18/24 11:12	D1
EPA 300.0	**Sulfate as SO4**	141000	mg/L	1500	900	5000	X429134	KAG	07/18/24 11:29	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2,689 meq/L Anion Sum: 3,046 meq/L C/A Balance: -6.21 % Calculated TDS: 145652 TDS/cTDS: 1.33

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

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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: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **GV-06**
SVL Sample ID: **X4G0253-03 (Surface Water)**

Sampled: 16-Jul-24 09:39
Received: 17-Jul-24
Sampled By: KR

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		X429144	MAC	07/23/24 15:52	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.236	mg/L	0.0020	0.0019		X430007	SJN	07/24/24 12:30	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X430007	SJN	07/24/24 12:30	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X430007	SJN	07/24/24 12:30	
EPA 200.7	**Calcium**	49.9	mg/L	0.100	0.069		X430007	SJN	07/24/24 12:30	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X430007	SJN	07/24/24 12:30	
EPA 200.7	**Iron**	5.82	mg/L	0.100	0.056		X430007	SJN	07/24/24 12:30	
EPA 200.7	**Magnesium**	12.7	mg/L	0.500	0.090		X430007	SJN	07/24/24 12:30	
EPA 200.7	**Manganese**	2.49	mg/L	0.0080	0.0034		X430007	SJN	07/24/24 12:30	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X430007	SJN	07/24/24 12:30	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X430007	SJN	07/24/24 12:30	
EPA 200.7	**Phosphorus**	0.166	mg/L	0.050	0.013		X430007	SJN	07/24/24 12:30	
EPA 200.7	**Potassium**	1.53	mg/L	0.50	0.18		X430007	SJN	07/24/24 12:30	
EPA 200.7	**Sodium**	12.5	mg/L	0.50	0.12		X430007	SJN	07/24/24 12:30	
EPA 200.7	**Zinc**	0.0108	mg/L	0.0100	0.0054		X430007	SJN	07/24/24 12:30	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X430018	JRR	07/23/24 13:31	
EPA 200.8	**Arsenic**	0.00123	mg/L	0.00100	0.00021		X430018	JRR	07/23/24 13:31	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X430018	JRR	07/23/24 13:31	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X430018	JRR	07/23/24 13:31	
EPA 200.8	**Copper**	0.00094	mg/L	0.00040	0.00036		X430018	JRR	07/23/24 13:31	
EPA 200.8	**Lead**	0.00176	mg/L	0.00020	0.00014		X430018	JRR	07/23/24 13:31	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X430018	JRR	07/23/24 13:31	
SM 2340 B	**Hardness (as CaC03)**	171	mg/L	2.31	0.543		N/A		07/24/24 12:30	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X430053	NMS	07/23/24 10:54	
EPA 200.7	**Barium**	0.0971	mg/L	0.0020	0.0019		X430053	NMS	07/23/24 10:54	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X430053	NMS	07/23/24 10:54	
EPA 200.7	**Calcium**	44.4	mg/L	0.100	0.069		X430053	NMS	07/23/24 10:54	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X430053	NMS	07/23/24 10:54	
EPA 200.7	**Magnesium**	11.3	mg/L	0.500	0.090		X430053	NMS	07/23/24 10:54	
EPA 200.7	**Manganese**	0.381	mg/L	0.0080	0.0034		X430053	NMS	07/23/24 10:54	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X430053	NMS	07/23/24 10:54	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X430053	NMS	07/23/24 10:54	
EPA 200.7	**Potassium**	1.19	mg/L	0.50	0.18		X430053	NMS	07/23/24 10:54	
EPA 200.7	**Sodium**	11.3	mg/L	0.50	0.12		X430053	NMS	07/23/24 10:54	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X430053	NMS	07/23/24 10:54	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429204	JRR	07/24/24 10:07	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X429204	JRR	07/24/24 10:07	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X429204	JRR	07/24/24 10:07	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X429204	JRR	07/24/24 10:07	
EPA 200.8	Copper	< 0.00040	mg/L	0.00040	0.00036		X429204	JRR	07/24/24 10:07	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X429204	JRR	07/24/24 10:07	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X429204	JRR	07/24/24 10:07	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X429204	JRR	07/24/24 10:07	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X429204	JRR	07/24/24 10:07	
EPA 200.8	**Uranium**	0.00214	mg/L	0.000100	0.000052		X429204	JRR	07/24/24 10:07	

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
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **GV-06**
SVL Sample ID: **X4G0253-03 (Surface Water)**

Sampled: 16-Jul-24 09:39
Received: 17-Jul-24
Sampled By: KR

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		X429236	MAC	07/29/24 16:52	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X430067	DD	07/25/24 11:09	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		07/24/24 12:30	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X430014	DD	07/23/24 16:46	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X429168	DD	07/19/24 12:37	
EPA 351.2	**TKN**	0.72	mg/L	0.50	0.31		X430034	DD	07/25/24 14:33	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430078	DD	07/23/24 16:37	
SM 2310 B	**Acidity to pH 8.3**	-121	mg/L as CaCO3	10.0			X430198	MWD	07/26/24 11:20	
SM 2320 B	**Total Alkalinity**	125	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:37	
SM 2320 B	**Bicarbonate**	125	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:37	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:37	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:37	
SM 2540 C	**Total Diss. Solids**	825	mg/L	10			X429116	TJL	07/19/24 12:45	
SM 2540 D	**Total Susp. Solids**	8.0	mg/L	5.0			X429117	TJL	07/19/24 12:20	
SM 4500 H B	**pH @22.9°C**	7.3	pH Units				X429127	MWD	07/18/24 12:37	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X429199	MCM	07/22/24 16:26	
SM 4500-O-G	**Dissolved Oxygen**	5.4	mg/L	0.1			X429115	TJL	07/19/24 08:00	H3,H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X429124	MCM	07/18/24 16:30	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		07/24/24 10:07	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	7.75	mg/L	0.20	0.02		X429134	KAG	07/18/24 15:11	
EPA 300.0	**Fluoride**	0.590	mg/L	0.100	0.017		X429134	KAG	07/18/24 15:11	
EPA 300.0	**Nitrate as N**	0.134	mg/L	0.050	0.013		X429134	KAG	07/18/24 15:11	H1
EPA 300.0	**Nitrate+Nitrite as N**	0.137	mg/L	0.100	0.044		X429134	KAG	07/18/24 15:11	H1
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X429134	KAG	07/18/24 15:11	H1
EPA 300.0	**Sulfate as SO4**	64.7	mg/L	3.00	1.80	10	X429134	KAG	07/18/24 15:27	M4

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.69 meq/L Anion Sum: 4.10 meq/L C/A Balance: -5.29 % Calculated TDS: 221 TDS/cTDS: 3.73

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

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **GV-05**
SVL Sample ID: **X4G0253-04 (Surface Water)**

Sampled: 16-Jul-24 10:37
Received: 17-Jul-24
Sampled By: KR

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		X429144	MAC	07/23/24 15:54	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.0362	mg/L	0.0020	0.0019		X430007	SJN	07/24/24 12:33	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X430007	SJN	07/24/24 12:33	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X430007	SJN	07/24/24 12:33	
EPA 200.7	**Calcium**	48.9	mg/L	0.100	0.069		X430007	SJN	07/24/24 12:33	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X430007	SJN	07/24/24 12:33	
EPA 200.7	**Iron**	1.04	mg/L	0.100	0.056		X430007	SJN	07/24/24 12:33	
EPA 200.7	**Magnesium**	12.6	mg/L	0.500	0.090		X430007	SJN	07/24/24 12:33	
EPA 200.7	**Manganese**	0.766	mg/L	0.0080	0.0034		X430007	SJN	07/24/24 12:33	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X430007	SJN	07/24/24 12:33	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X430007	SJN	07/24/24 12:33	
EPA 200.7	Phosphorus	< 0.050	mg/L	0.050	0.013		X430007	SJN	07/24/24 12:33	
EPA 200.7	**Potassium**	1.80	mg/L	0.50	0.18		X430007	SJN	07/24/24 12:33	
EPA 200.7	**Sodium**	14.4	mg/L	0.50	0.12		X430007	SJN	07/24/24 12:33	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X430007	SJN	07/24/24 12:33	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X430018	JRR	07/23/24 13:33	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X430018	JRR	07/23/24 13:33	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X430018	JRR	07/23/24 13:33	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X430018	JRR	07/23/24 13:33	
EPA 200.8	Copper	< 0.00040	mg/L	0.00040	0.00036		X430018	JRR	07/23/24 13:33	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X430018	JRR	07/23/24 13:33	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X430018	JRR	07/23/24 13:33	
SM 2340 B	**Hardness (as CaC03)**	162	mg/L	2.31	0.543		N/A		07/23/24 11:08	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X430053	NMS	07/23/24 11:08	
EPA 200.7	**Barium**	0.0261	mg/L	0.0020	0.0019		X430053	NMS	07/23/24 11:08	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X430053	NMS	07/23/24 11:08	
EPA 200.7	**Calcium**	44.0	mg/L	0.100	0.069		X430053	NMS	07/23/24 11:08	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X430053	NMS	07/23/24 11:08	
EPA 200.7	**Magnesium**	11.3	mg/L	0.500	0.090		X430053	NMS	07/23/24 11:08	
EPA 200.7	**Manganese**	0.447	mg/L	0.0080	0.0034		X430053	NMS	07/23/24 11:08	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X430053	NMS	07/23/24 11:08	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X430053	NMS	07/23/24 11:08	
EPA 200.7	**Potassium**	1.56	mg/L	0.50	0.18		X430053	NMS	07/23/24 11:08	
EPA 200.7	**Sodium**	13.0	mg/L	0.50	0.12		X430053	NMS	07/23/24 11:08	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X430053	NMS	07/23/24 11:08	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429204	JRR	07/24/24 10:12	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X429204	JRR	07/24/24 10:12	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X429204	JRR	07/24/24 10:12	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X429204	JRR	07/24/24 10:12	
EPA 200.8	Copper	< 0.00040	mg/L	0.00040	0.00036		X429204	JRR	07/24/24 10:12	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X429204	JRR	07/24/24 10:12	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X429204	JRR	07/24/24 10:12	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X429204	JRR	07/24/24 10:12	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X429204	JRR	07/24/24 10:12	
EPA 200.8	**Uranium**	0.00119	mg/L	0.000100	0.000052		X429204	JRR	07/24/24 10:12	

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: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **GV-05**
SVL Sample ID: **X4G0253-04 (Surface Water)**

Sampled: 16-Jul-24 10:37
Received: 17-Jul-24
Sampled By: KR

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		X429236	MAC	07/29/24 16:54	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X430067	DD	07/25/24 11:17	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		07/24/24 12:33	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X430014	DD	07/23/24 16:48	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X429168	DD	07/19/24 12:39	
EPA 351.2	TKN	< 0.50	mg/L	0.50	0.31		X430034	DD	07/25/24 14:35	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430078	DD	07/23/24 16:38	
SM 2310 B	**Acidity to pH 8.3**	-136	mg/L as CaCO3	10.0			X430198	MWD	07/26/24 11:20	
SM 2320 B	**Total Alkalinity**	135	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:51	
SM 2320 B	**Bicarbonate**	135	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:51	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:51	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:51	
SM 2540 C	**Total Diss. Solids**	273	mg/L	10			X429116	TJL	07/19/24 12:45	
SM 2540 D	**Total Susp. Solids**	186	mg/L	5.0			X429117	TJL	07/19/24 12:20	
SM 4500 H B	**pH @23.0°C**	7.8	pH Units				X429127	MWD	07/18/24 12:51	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X429199	MCM	07/22/24 16:28	
SM 4500-O-G	**Dissolved Oxygen**	3.7	mg/L	0.1			X429115	TJL	07/19/24 08:00	H3,H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X429124	MCM	07/18/24 16:30	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		07/24/24 10:12	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.0	mg/L	0.20	0.02		X429134	KAG	07/18/24 17:23	
EPA 300.0	**Fluoride**	0.783	mg/L	0.100	0.017		X429134	KAG	07/18/24 17:23	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X429134	KAG	07/18/24 17:23	H1
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X429134	KAG	07/18/24 17:23	H1
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X429134	KAG	07/18/24 17:23	H1
EPA 300.0	**Sulfate as SO4**	53.3	mg/L	3.00	1.80	10	X429134	KAG	07/18/24 17:40	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.76 meq/L Anion Sum: 4.16 meq/L C/A Balance: -5.12 % Calculated TDS: 220 TDS/cTDS: 1.24

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **GV-4.5**
SVL Sample ID: **X4G0253-05 (Surface Water)**

Sampled: 16-Jul-24 10:08
Received: 17-Jul-24
Sampled By: KR

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		X429144	MAC	07/23/24 15:56	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.113	mg/L	0.0020	0.0019		X430007	SJN	07/24/24 12:37	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X430007	SJN	07/24/24 12:37	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X430007	SJN	07/24/24 12:37	
EPA 200.7	**Calcium**	45.6	mg/L	0.100	0.069		X430007	SJN	07/24/24 12:37	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X430007	SJN	07/24/24 12:37	
EPA 200.7	**Iron**	19.5	mg/L	0.100	0.056		X430007	SJN	07/24/24 12:37	
EPA 200.7	**Magnesium**	10.6	mg/L	0.500	0.090		X430007	SJN	07/24/24 12:37	
EPA 200.7	**Manganese**	0.600	mg/L	0.0080	0.0034		X430007	SJN	07/24/24 12:37	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X430007	SJN	07/24/24 12:37	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X430007	SJN	07/24/24 12:37	
EPA 200.7	**Phosphorus**	0.236	mg/L	0.050	0.013		X430007	SJN	07/24/24 12:37	
EPA 200.7	**Potassium**	1.22	mg/L	0.50	0.18		X430007	SJN	07/24/24 12:37	
EPA 200.7	**Sodium**	14.2	mg/L	0.50	0.12		X430007	SJN	07/24/24 12:37	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X430007	SJN	07/24/24 12:37	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X430018	JRR	07/23/24 13:36	
EPA 200.8	**Arsenic**	0.00151	mg/L	0.00100	0.00021		X430018	JRR	07/23/24 13:36	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X430018	JRR	07/23/24 13:36	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X430018	JRR	07/23/24 13:36	
EPA 200.8	**Copper**	0.00076	mg/L	0.00040	0.00036		X430018	JRR	07/23/24 13:36	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X430018	JRR	07/23/24 13:36	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X430018	JRR	07/23/24 13:36	
SM 2340 B	**Hardness (as CaC03)**	156	mg/L	2.31	0.543		N/A		07/24/24 12:37	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X430053	NMS	07/23/24 11:12	
EPA 200.7	**Barium**	0.0967	mg/L	0.0020	0.0019		X430053	NMS	07/23/24 11:12	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X430053	NMS	07/23/24 11:12	
EPA 200.7	**Calcium**	44.5	mg/L	0.100	0.069		X430053	NMS	07/23/24 11:12	
EPA 200.7	**Iron**	2.01	mg/L	0.100	0.056		X430053	NMS	07/23/24 11:12	
EPA 200.7	**Magnesium**	10.2	mg/L	0.500	0.090		X430053	NMS	07/23/24 11:12	
EPA 200.7	**Manganese**	0.532	mg/L	0.0080	0.0034		X430053	NMS	07/23/24 11:12	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X430053	NMS	07/23/24 11:12	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X430053	NMS	07/23/24 11:12	
EPA 200.7	**Potassium**	1.17	mg/L	0.50	0.18		X430053	NMS	07/23/24 11:12	
EPA 200.7	**Sodium**	13.9	mg/L	0.50	0.12		X430053	NMS	07/23/24 11:12	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X430053	NMS	07/23/24 11:12	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429204	JRR	07/24/24 10:15	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X429204	JRR	07/24/24 10:15	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X429204	JRR	07/24/24 10:15	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X429204	JRR	07/24/24 10:15	
EPA 200.8	Copper	< 0.00040	mg/L	0.00040	0.00036		X429204	JRR	07/24/24 10:15	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X429204	JRR	07/24/24 10:15	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X429204	JRR	07/24/24 10:15	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X429204	JRR	07/24/24 10:15	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X429204	JRR	07/24/24 10:15	
EPA 200.8	**Uranium**	0.000538	mg/L	0.000100	0.000052		X429204	JRR	07/24/24 10:15	

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: **X4G0253**
Reported: 30-Jul-24 11:04

Client Sample ID: **GV-4.5**
SVL Sample ID: **X4G0253-05 (Surface Water)**

Sampled: 16-Jul-24 10:08
Received: 17-Jul-24
Sampled By: KR

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		X429236	MAC	07/29/24 16:56	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X430067	DD	07/25/24 11:19	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		07/24/24 12:37	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X430014	DD	07/23/24 16:51	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X429168	DD	07/19/24 12:42	
EPA 351.2	TKN	< 0.50	mg/L	0.50	0.31		X430034	DD	07/25/24 14:48	B10
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430078	DD	07/23/24 16:40	
SM 2310 B	**Acidity to pH 8.3**	-107	mg/L as CaCO3	10.0			X430198	MWD	07/26/24 11:20	
SM 2320 B	**Total Alkalinity**	108	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:58	
SM 2320 B	**Bicarbonate**	108	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:58	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:58	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429127	MWD	07/18/24 12:58	
SM 2540 C	**Total Diss. Solids**	261	mg/L	10			X429116	TJL	07/19/24 12:45	
SM 2540 D	**Total Susp. Solids**	18.0	mg/L	5.0			X429117	TJL	07/19/24 12:20	
SM 4500 H B	**pH @23.0°C**	6.7	pH Units				X429127	MWD	07/18/24 12:58	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X429199	MCM	07/22/24 16:29	
SM 4500-O-G	**Dissolved Oxygen**	6.2	mg/L	0.1			X429115	TJL	07/19/24 08:00	H3,H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X429124	MCM	07/18/24 16:30	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		07/24/24 10:15	
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 2.00	mg/L	2.00	0.22	10	X429134	KAG	07/18/24 19:02	D1
EPA 300.0	**Fluoride**	0.476	mg/L	0.100	0.017		X429134	KAG	07/18/24 18:46	
EPA 300.0	**Nitrate as N**	0.133	mg/L	0.050	0.013		X429134	KAG	07/18/24 18:46	H1
EPA 300.0	**Nitrate+Nitrite as N**	0.133	mg/L	0.100	0.044		X429134	KAG	07/18/24 18:46	H1
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X429134	KAG	07/18/24 18:46	H1
EPA 300.0	**Sulfate as SO4**	44.2	mg/L	0.30	0.18		X429134	KAG	07/18/24 18:46	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.79 meq/L Anion Sum: 3.12 meq/L C/A Balance: 9.77 % Calculated TDS: 181 TDS/cTDS: 1.44

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

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

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	X429144	23-Jul-24	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X430007	24-Jul-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X430007	24-Jul-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X430007	24-Jul-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X430007	24-Jul-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X430007	24-Jul-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X430007	24-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X430007	24-Jul-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X430007	24-Jul-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X430007	24-Jul-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X430007	24-Jul-24	
EPA 200.7	Phosphorus	mg/L	<0.050	0.013	0.050	X430007	24-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X430007	24-Jul-24	
EPA 200.7	Sodium	mg/L	<0.12	0.12	0.50	X430007	24-Jul-24	U
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X430007	24-Jul-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X430018	23-Jul-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X430018	23-Jul-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X430018	23-Jul-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X430018	23-Jul-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X430018	23-Jul-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X430018	23-Jul-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X430018	23-Jul-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X430053	23-Jul-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X430053	23-Jul-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X430053	23-Jul-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X430053	23-Jul-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X430053	23-Jul-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X430053	23-Jul-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X430053	23-Jul-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X430053	23-Jul-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X430053	23-Jul-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X430053	23-Jul-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X430053	23-Jul-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X430053	23-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X430053	23-Jul-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X430053	23-Jul-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X430053	23-Jul-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X430053	23-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X430053	23-Jul-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X430053	23-Jul-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X430053	23-Jul-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X430053	23-Jul-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X430053	23-Jul-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X429204	24-Jul-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X429204	24-Jul-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X429204	24-Jul-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X429204	24-Jul-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X429204	24-Jul-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X429204	24-Jul-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X429204	24-Jul-24	
EPA 200.8	Silver	mg/L	<0.00008	0.000061	0.00008	X429204	24-Jul-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X429204	24-Jul-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X429204	24-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X429236	29-Jul-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X430067	25-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X430014	23-Jul-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X429168	19-Jul-24	
EPA 351.2	TKN	mg/L	<0.50	0.31	0.50	X430034	25-Jul-24	B10
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X430078	23-Jul-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X430198	26-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X429127	18-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X429127	18-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X429127	18-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X429127	18-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X429116	19-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X429117	19-Jul-24	
SM 4500 S D	Sulfide	mg/L	<0.050	0.020	0.050	X429199	22-Jul-24	
Dissolved Classical Chemistry Parameters								
SM 3500 Cr B	Hexavalent Chromium	mg/L	<0.0050	0.0019	0.0050	X429124	18-Jul-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X429134	19-Jul-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X429134	19-Jul-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X429134	19-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X429134	19-Jul-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X429134	19-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X429134	19-Jul-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	0.00228	0.00200	114	85 - 115	X429144	23-Jul-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Barium	mg/L	1.03	1.00	103	85 - 115	X430007	24-Jul-24	
EPA 200.7	Beryllium	mg/L	1.03	1.00	103	85 - 115	X430007	24-Jul-24	
EPA 200.7	Boron	mg/L	1.02	1.00	102	85 - 115	X430007	24-Jul-24	
EPA 200.7	Calcium	mg/L	20.7	20.0	103	85 - 115	X430007	24-Jul-24	
EPA 200.7	Chromium	mg/L	1.03	1.00	103	85 - 115	X430007	24-Jul-24	
EPA 200.7	Iron	mg/L	10.5	10.0	105	85 - 115	X430007	24-Jul-24	
EPA 200.7	Magnesium	mg/L	21.0	20.0	105	85 - 115	X430007	24-Jul-24	
EPA 200.7	Manganese	mg/L	1.02	1.00	102	85 - 115	X430007	24-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.03	1.00	103	85 - 115	X430007	24-Jul-24	
EPA 200.7	Nickel	mg/L	0.992	1.00	99.2	85 - 115	X430007	24-Jul-24	
EPA 200.7	Phosphorus	mg/L	1.03	1.00	103	85 - 115	X430007	24-Jul-24	
EPA 200.7	Potassium	mg/L	20.8	20.0	104	85 - 115	X430007	24-Jul-24	
EPA 200.7	Sodium	mg/L	19.7	19.0	104	85 - 115	X430007	24-Jul-24	
EPA 200.7	Zinc	mg/L	0.999	1.00	99.9	85 - 115	X430007	24-Jul-24	
EPA 200.8	Antimony	mg/L	0.0253	0.0250	101	85 - 115	X430018	23-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0243	0.0250	97.2	85 - 115	X430018	23-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0248	0.0250	99.1	85 - 115	X430018	23-Jul-24	
EPA 200.8	Chromium	mg/L	0.0241	0.0250	96.5	85 - 115	X430018	23-Jul-24	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)									
EPA 200.8	Copper	mg/L	0.0251	0.0250	100	85 - 115	X430018	23-Jul-24	
EPA 200.8	Lead	mg/L	0.0249	0.0250	99.7	85 - 115	X430018	23-Jul-24	
EPA 200.8	Selenium	mg/L	0.0241	0.0250	96.3	85 - 115	X430018	23-Jul-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.993	1.00	99.3	85 - 115	X430053	23-Jul-24	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X430053	23-Jul-24	
EPA 200.7	Beryllium	mg/L	1.04	1.00	104	85 - 115	X430053	23-Jul-24	
EPA 200.7	Boron	mg/L	1.03	1.00	103	85 - 115	X430053	23-Jul-24	
EPA 200.7	Cadmium	mg/L	1.01	1.00	101	85 - 115	X430053	23-Jul-24	
EPA 200.7	Calcium	mg/L	19.9	20.0	99.7	85 - 115	X430053	23-Jul-24	
EPA 200.7	Chromium	mg/L	1.03	1.00	103	85 - 115	X430053	23-Jul-24	
EPA 200.7	Cobalt	mg/L	0.996	1.00	99.6	85 - 115	X430053	23-Jul-24	
EPA 200.7	Copper	mg/L	1.03	1.00	103	85 - 115	X430053	23-Jul-24	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X430053	23-Jul-24	
EPA 200.7	Lead	mg/L	0.995	1.00	99.5	85 - 115	X430053	23-Jul-24	
EPA 200.7	Lithium	mg/L	0.982	1.00	98.2	85 - 115	X430053	23-Jul-24	
EPA 200.7	Magnesium	mg/L	20.0	20.0	100	85 - 115	X430053	23-Jul-24	
EPA 200.7	Manganese	mg/L	1.01	1.00	101	85 - 115	X430053	23-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.03	1.00	103	85 - 115	X430053	23-Jul-24	
EPA 200.7	Nickel	mg/L	0.996	1.00	99.6	85 - 115	X430053	23-Jul-24	
EPA 200.7	Potassium	mg/L	20.3	20.0	102	85 - 115	X430053	23-Jul-24	
EPA 200.7	Silver	mg/L	0.0491	0.0500	98.2	85 - 115	X430053	23-Jul-24	
EPA 200.7	Sodium	mg/L	19.1	19.0	100	85 - 115	X430053	23-Jul-24	
EPA 200.7	Vanadium	mg/L	1.03	1.00	103	85 - 115	X430053	23-Jul-24	
EPA 200.7	Zinc	mg/L	1.02	1.00	102	85 - 115	X430053	23-Jul-24	
EPA 200.8	Antimony	mg/L	0.0243	0.0250	97.1	85 - 115	X429204	24-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0238	0.0250	95.3	85 - 115	X429204	24-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0240	0.0250	96.0	85 - 115	X429204	24-Jul-24	
EPA 200.8	Chromium	mg/L	0.0242	0.0250	96.9	85 - 115	X429204	24-Jul-24	
EPA 200.8	Copper	mg/L	0.0242	0.0250	97.0	85 - 115	X429204	24-Jul-24	
EPA 200.8	Lead	mg/L	0.0248	0.0250	99.2	85 - 115	X429204	24-Jul-24	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.8	85 - 115	X429204	24-Jul-24	
EPA 200.8	Silver	mg/L	0.0254	0.0250	102	85 - 115	X429204	24-Jul-24	
EPA 200.8	Thallium	mg/L	0.0241	0.0250	96.5	85 - 115	X429204	24-Jul-24	
EPA 200.8	Uranium	mg/L	0.0246	0.0250	98.5	85 - 115	X429204	24-Jul-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00209	0.00200	104	85 - 115	X429236	29-Jul-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X430067	25-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.0990	0.100	99.0	90 - 110	X430014	23-Jul-24	
EPA 350.1	Ammonia as N	mg/L	0.988	1.00	98.8	90 - 110	X429168	19-Jul-24	
EPA 351.2	TKN	mg/L	7.64	8.00	95.5	90 - 110	X430034	25-Jul-24	B10
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.100	106	90 - 110	X430078	23-Jul-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	887	884	100	95.4 - 104	X430198	26-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.90	9.93	99.7	96.4 - 105	X429127	18-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X429127	18-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X429117	19-Jul-24	
SM 4500 S D	Sulfide	mg/L	0.479	0.500	95.8	85 - 115	X429199	22-Jul-24	
Dissolved Classical Chemistry Parameters									
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.102	0.100	102	80 - 120	X429124	18-Jul-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.14	3.00	105	90 - 110	X429134	19-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
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Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)									
EPA 300.0	Fluoride	mg/L	2.06	2.00	103	90 - 110	X429134	19-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.09	2.00	104	90 - 110	X429134	19-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.69	4.50	104	90 - 110	X429134	19-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.61	2.50	104	90 - 110	X429134	19-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	10.7	10.0	107	90 - 110	X429134	19-Jul-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	X430198 - X4G0253-03	26-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X429127 - X4G0253-02	18-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X429127 - X4G0253-02	18-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X429127 - X4G0253-02	18-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X429127 - X4G0253-02	18-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	239	242	1.3	10	X429116 - X4G0231-02	19-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	329	327	0.6	10	X429116 - X4G0237-02	19-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X429117 - X4G0237-02	19-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	5.0	<RL	10	X429117 - X4G0231-02	19-Jul-24	
SM 4500 H B	pH @23.0°C	pH Units	2.0	2.1	0.5	20	X429127 - X4G0253-02	18-Jul-24	
SM 4500-O-G	Dissolved Oxygen	mg/L	6.0	6.0	0.0	20	X429115 - X4G0246-01	19-Jul-24	
SM 4500-O-G	Dissolved Oxygen	mg/L	7.0	7.1	1.4	20	X429115 - X4G0292-01	19-Jul-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	0.00333	0.00105	0.00200	114	70 - 130	X429144 - X4G0238-02	23-Jul-24	
EPA 245.1	Mercury	mg/L	0.00221	<0.000093	0.00200	111	70 - 130	X429144 - X4G0290-06	23-Jul-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	1.22	0.191	1.00	102	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Barium	mg/L	1.04	0.0362	1.00	100	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Beryllium	mg/L	1.03	<0.00200	1.00	103	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Beryllium	mg/L	1.01	<0.00200	1.00	101	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	101	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	102	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Calcium	mg/L	63.4	42.6	20.0	104	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Calcium	mg/L	67.8	48.9	20.0	95	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Chromium	mg/L	0.995	<0.0060	1.00	99.5	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Chromium	mg/L	1.00	<0.0060	1.00	100	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Iron	mg/L	10.5	0.109	10.0	104	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Iron	mg/L	11.2	1.04	10.0	102	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Magnesium	mg/L	38.6	17.9	20.0	103	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Magnesium	mg/L	32.4	12.6	20.0	99.5	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Manganese	mg/L	1.02	0.0130	1.00	101	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Manganese	mg/L	1.73	0.766	1.00	96.7	70 - 130	X430007 - X4G0253-04	24-Jul-24	

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Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)										
EPA 200.7	Molybdenum	mg/L	1.03	<0.0080	1.00	103	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.03	<0.0080	1.00	103	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Nickel	mg/L	0.979	<0.0100	1.00	97.9	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Nickel	mg/L	0.979	<0.0100	1.00	97.9	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Phosphorus	mg/L	1.07	<0.050	1.00	103	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Phosphorus	mg/L	1.08	<0.050	1.00	105	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Potassium	mg/L	22.0	1.08	20.0	104	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Potassium	mg/L	22.4	1.80	20.0	103	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Sodium	mg/L	22.5	2.85	19.0	103	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Sodium	mg/L	33.2	14.4	19.0	98.9	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.7	Zinc	mg/L	0.986	<0.0100	1.00	97.7	70 - 130	X430007 - X4G0246-01	24-Jul-24	
EPA 200.7	Zinc	mg/L	0.978	<0.0100	1.00	97.8	70 - 130	X430007 - X4G0253-04	24-Jul-24	
EPA 200.8	Antimony	mg/L	0.0254	<0.00100	0.0250	102	70 - 130	X430018 - X4G0222-01	23-Jul-24	
EPA 200.8	Antimony	mg/L	0.0256	<0.00100	0.0250	102	70 - 130	X430018 - X4G0253-05	23-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0268	0.00197	0.0250	99.3	70 - 130	X430018 - X4G0222-01	23-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0264	0.00151	0.0250	99.5	70 - 130	X430018 - X4G0253-05	23-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0243	<0.000100	0.0250	97.4	70 - 130	X430018 - X4G0222-01	23-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0243	<0.000100	0.0250	97.3	70 - 130	X430018 - X4G0253-05	23-Jul-24	
EPA 200.8	Chromium	mg/L	0.0245	<0.00100	0.0250	98.2	70 - 130	X430018 - X4G0222-01	23-Jul-24	
EPA 200.8	Chromium	mg/L	0.0248	<0.00100	0.0250	99.3	70 - 130	X430018 - X4G0253-05	23-Jul-24	
EPA 200.8	Copper	mg/L	0.0262	0.00139	0.0250	99.2	70 - 130	X430018 - X4G0222-01	23-Jul-24	
EPA 200.8	Copper	mg/L	0.0245	0.00076	0.0250	95.1	70 - 130	X430018 - X4G0253-05	23-Jul-24	
EPA 200.8	Lead	mg/L	0.0245	<0.00020	0.0250	98.0	70 - 130	X430018 - X4G0222-01	23-Jul-24	
EPA 200.8	Lead	mg/L	0.0245	<0.00020	0.0250	97.3	70 - 130	X430018 - X4G0253-05	23-Jul-24	
EPA 200.8	Selenium	mg/L	0.0234	<0.00100	0.0250	91.5	70 - 130	X430018 - X4G0222-01	23-Jul-24	
EPA 200.8	Selenium	mg/L	0.0248	<0.00100	0.0250	98.1	70 - 130	X430018 - X4G0253-05	23-Jul-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.939	<0.080	1.00	93.9	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Aluminum	mg/L	4.99	4.08	1.00	91.1	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Barium	mg/L	1.03	0.0475	1.00	98.1	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Barium	mg/L	0.993	0.0139	1.00	97.9	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Beryllium	mg/L	0.985	<0.00200	1.00	98.5	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Beryllium	mg/L	0.980	0.0145	1.00	96.5	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Boron	mg/L	1.05	<0.0400	1.00	102	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Boron	mg/L	1.05	0.0480	1.00	100	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Cadmium	mg/L	0.946	<0.0020	1.00	94.6	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Cadmium	mg/L	0.921	<0.0020	1.00	92.1	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Calcium	mg/L	187	169	20.0	90.7	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Calcium	mg/L	566	551	20.0	78.6	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Chromium	mg/L	0.980	<0.0060	1.00	98.0	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Chromium	mg/L	0.966	<0.0060	1.00	96.6	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Cobalt	mg/L	0.936	<0.0060	1.00	93.6	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Cobalt	mg/L	0.966	0.0393	1.00	92.7	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Copper	mg/L	0.990	<0.0100	1.00	98.1	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Copper	mg/L	1.28	0.269	1.00	101	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Iron	mg/L	9.66	<0.100	10.0	96.6	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Iron	mg/L	9.67	<0.100	10.0	96.7	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Lead	mg/L	0.931	<0.0075	1.00	93.1	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Lead	mg/L	0.913	<0.0075	1.00	91.3	70 - 130	X430053 - X4G0325-02	23-Jul-24	

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Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Lithium	mg/L	0.932	<0.040	1.00	93.2	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Lithium	mg/L	0.907	<0.040	1.00	90.7	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Magnesium	mg/L	39.2	20.1	20.0	95.6	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Magnesium	mg/L	162	140	20.0	109	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Manganese	mg/L	0.961	<0.0080	1.00	95.4	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Manganese	mg/L	13.8	13.0	1.00	83.9	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.53	0.543	1.00	98.5	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.981	<0.0080	1.00	97.6	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Nickel	mg/L	0.935	<0.0100	1.00	93.5	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Nickel	mg/L	1.04	0.106	1.00	93.0	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Potassium	mg/L	23.8	4.30	20.0	97.7	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Potassium	mg/L	27.1	6.75	20.0	102	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Silver	mg/L	0.0416	<0.0050	0.0500	83.2	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Silver	mg/L	0.0395	<0.0050	0.0500	78.9	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Sodium	mg/L	71.7	54.2	19.0	92.2	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Sodium	mg/L	99.2	81.1	19.0	95.3	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Vanadium	mg/L	0.999	<0.0050	1.00	99.9	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Vanadium	mg/L	0.997	<0.0050	1.00	99.5	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.7	Zinc	mg/L	0.971	<0.0100	1.00	97.1	70 - 130	X430053 - X4G0325-01	23-Jul-24	
EPA 200.7	Zinc	mg/L	1.21	0.258	1.00	95.3	70 - 130	X430053 - X4G0325-02	23-Jul-24	
EPA 200.8	Antimony	mg/L	0.0230	<0.00100	0.0250	91.8	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Antimony	mg/L	0.0257	<0.00100	0.0250	103	70 - 130	X429204 - X4G0253-03	24-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0238	<0.00100	0.0250	93.7	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0250	<0.00100	0.0250	99.0	70 - 130	X429204 - X4G0253-03	24-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0225	<0.000100	0.0250	90.1	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0246	<0.000100	0.0250	98.6	70 - 130	X429204 - X4G0253-03	24-Jul-24	
EPA 200.8	Chromium	mg/L	0.0234	<0.00100	0.0250	93.8	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Chromium	mg/L	0.0240	<0.00100	0.0250	95.9	70 - 130	X429204 - X4G0253-03	24-Jul-24	
EPA 200.8	Copper	mg/L	0.0236	<0.00040	0.0250	94.5	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Copper	mg/L	0.0247	<0.00040	0.0250	98.8	70 - 130	X429204 - X4G0253-03	24-Jul-24	
EPA 200.8	Lead	mg/L	0.0228	<0.00020	0.0250	91.1	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Lead	mg/L	0.0241	<0.00020	0.0250	96.3	70 - 130	X429204 - X4G0253-03	24-Jul-24	
EPA 200.8	Selenium	mg/L	0.0224	<0.00100	0.0250	89.8	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Selenium	mg/L	0.0238	<0.00100	0.0250	95.0	70 - 130	X429204 - X4G0253-03	24-Jul-24	
EPA 200.8	Silver	mg/L	0.0233	<0.00008	0.0250	93.2	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Silver	mg/L	0.0247	<0.00008	0.0250	98.9	70 - 130	X429204 - X4G0253-03	24-Jul-24	
EPA 200.8	Thallium	mg/L	0.0229	<0.000200	0.0250	91.4	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Thallium	mg/L	0.0237	<0.000200	0.0250	94.9	70 - 130	X429204 - X4G0253-03	24-Jul-24	
EPA 200.8	Uranium	mg/L	0.0231	<0.000100	0.0250	92.3	70 - 130	X429204 - X4G0194-01	24-Jul-24	
EPA 200.8	Uranium	mg/L	0.0267	0.00214	0.0250	98.1	70 - 130	X429204 - X4G0253-03	24-Jul-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	106	70 - 130	X429236 - X4G0253-04	29-Jul-24	
EPA 245.1	Mercury	mg/L	0.00214	<0.000200	0.00200	107	70 - 130	X429236 - X4G0290-05	29-Jul-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.105	<0.0050	0.100	105	79 - 121	X430067 - X4G0246-01	25-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.0400	<0.0050	0.100	40.0	90 - 110	X430014 - X4G0238-01	23-Jul-24	M2
EPA 335.4	Cyanide (total)	mg/L	0.0823	0.0057	0.100	76.6	90 - 110	X430014 - X4G0238-02	23-Jul-24	M2
EPA 350.1	Ammonia as N	mg/L	0.986	<0.030	1.00	96.5	90 - 110	X429168 - X4G0253-03	19-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters (Continued)										
EPA 351.2	TKN	mg/L	6.02	<0.50	8.00	70.6	90 - 110	X430034 - X4G0250-01	25-Jul-24	B10,M2,R2B
EPA 351.2	TKN	mg/L	8.03	0.81	8.00	90.3	90 - 110	X430034 - X4G0250-02	25-Jul-24	B10
OIA 1677	Cyanide (WAD)	mg/L	0.0890	<0.0050	0.100	89.0	82 - 118	X430078 - X4G0192-02	23-Jul-24	
SM 4500 S D	Sulfide	mg/L	0.240	<0.050	0.200	120	75 - 125	X429199 - X4G0246-01	22-Jul-24	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0204	<0.0050	0.0200	102	75 - 125	X429124 - X4G0181-03	18-Jul-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	11.0	7.75	3.00	108	90 - 110	X429134 - X4G0253-03	18-Jul-24	
EPA 300.0	Chloride	mg/L	3.74	0.52	3.00	108	90 - 110	X429134 - X4G0266-01	18-Jul-24	
EPA 300.0	Fluoride	mg/L	2.58	0.590	2.00	99.7	90 - 110	X429134 - X4G0253-03	18-Jul-24	
EPA 300.0	Fluoride	mg/L	2.57	0.420	2.00	107	90 - 110	X429134 - X4G0266-01	18-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.20	0.134	2.00	103	90 - 110	X429134 - X4G0253-03	18-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.12	<0.050	2.00	106	90 - 110	X429134 - X4G0266-01	18-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.31	0.137	4.00	104	90 - 110	X429134 - X4G0253-03	18-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.27	<0.100	4.00	107	90 - 110	X429134 - X4G0266-01	18-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.11	<0.050	2.00	106	90 - 110	X429134 - X4G0253-03	18-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.16	<0.050	2.00	108	90 - 110	X429134 - X4G0266-01	18-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	76.1	64.7	10.0	0.30R>S	90 - 110	X429134 - X4G0253-03	18-Jul-24	M4
EPA 300.0	Sulfate as SO4	mg/L	27.5	16.4	10.0	111	90 - 110	X429134 - X4G0266-01	18-Jul-24	M1

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	0.00332	0.00333	0.00200	0.3	20	113	X429144 - X4G0238-02	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	1.21	1.22	1.00	0.5	20	102	X430007 - X4G0246-01	
EPA 200.7	Beryllium	mg/L	1.02	1.03	1.00	0.4	20	102	X430007 - X4G0246-01	
EPA 200.7	Boron	mg/L	1.03	1.03	1.00	0.0	20	101	X430007 - X4G0246-01	
EPA 200.7	Calcium	mg/L	62.7	63.4	20.0	1.0	20	101	X430007 - X4G0246-01	
EPA 200.7	Chromium	mg/L	1.04	0.995	1.00	4.1	20	104	X430007 - X4G0246-01	
EPA 200.7	Iron	mg/L	10.4	10.5	10.0	0.5	20	103	X430007 - X4G0246-01	
EPA 200.7	Magnesium	mg/L	38.5	38.6	20.0	0.3	20	103	X430007 - X4G0246-01	
EPA 200.7	Manganese	mg/L	1.02	1.02	1.00	0.2	20	101	X430007 - X4G0246-01	
EPA 200.7	Molybdenum	mg/L	1.02	1.03	1.00	1.1	20	102	X430007 - X4G0246-01	
EPA 200.7	Nickel	mg/L	0.972	0.979	1.00	0.6	20	97.2	X430007 - X4G0246-01	
EPA 200.7	Phosphorus	mg/L	1.08	1.07	1.00	1.1	20	105	X430007 - X4G0246-01	
EPA 200.7	Potassium	mg/L	22.1	22.0	20.0	0.4	20	105	X430007 - X4G0246-01	
EPA 200.7	Sodium	mg/L	22.6	22.5	19.0	0.4	20	104	X430007 - X4G0246-01	
EPA 200.7	Zinc	mg/L	0.984	0.986	1.00	0.2	20	97.4	X430007 - X4G0246-01	
EPA 200.8	Antimony	mg/L	0.0252	0.0254	0.0250	0.9	20	101	X430018 - X4G0222-01	
EPA 200.8	Arsenic	mg/L	0.0261	0.0268	0.0250	2.7	20	96.4	X430018 - X4G0222-01	
EPA 200.8	Cadmium	mg/L	0.0245	0.0243	0.0250	0.6	20	98.0	X430018 - X4G0222-01	
EPA 200.8	Chromium	mg/L	0.0235	0.0245	0.0250	4.3	20	94.0	X430018 - X4G0222-01	
EPA 200.8	Copper	mg/L	0.0253	0.0262	0.0250	3.4	20	95.7	X430018 - X4G0222-01	
EPA 200.8	Lead	mg/L	0.0246	0.0245	0.0250	0.6	20	98.5	X430018 - X4G0222-01	
EPA 200.8	Selenium	mg/L	0.0235	0.0234	0.0250	0.1	20	91.6	X430018 - X4G0222-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0253**
Reported: 30-Jul-24 11:04

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.930	0.939	1.00	1.1	20	93.0	X430053 - X4G0325-01	
EPA 200.7	Barium	mg/L	1.03	1.03	1.00	0.2	20	98.3	X430053 - X4G0325-01	
EPA 200.7	Beryllium	mg/L	0.944	0.985	1.00	4.2	20	94.4	X430053 - X4G0325-01	
EPA 200.7	Boron	mg/L	1.04	1.05	1.00	1.3	20	101	X430053 - X4G0325-01	
EPA 200.7	Cadmium	mg/L	0.929	0.946	1.00	1.8	20	92.9	X430053 - X4G0325-01	
EPA 200.7	Calcium	mg/L	188	187	20.0	0.4	20	94.9	X430053 - X4G0325-01	
EPA 200.7	Chromium	mg/L	0.957	0.980	1.00	2.5	20	95.7	X430053 - X4G0325-01	
EPA 200.7	Cobalt	mg/L	0.920	0.936	1.00	1.7	20	92.0	X430053 - X4G0325-01	
EPA 200.7	Copper	mg/L	0.974	0.990	1.00	1.6	20	96.5	X430053 - X4G0325-01	
EPA 200.7	Iron	mg/L	9.53	9.66	10.0	1.3	20	95.3	X430053 - X4G0325-01	
EPA 200.7	Lead	mg/L	0.917	0.931	1.00	1.6	20	91.7	X430053 - X4G0325-01	
EPA 200.7	Lithium	mg/L	0.915	0.932	1.00	1.8	20	91.5	X430053 - X4G0325-01	
EPA 200.7	Magnesium	mg/L	39.9	39.2	20.0	1.8	20	99.1	X430053 - X4G0325-01	
EPA 200.7	Manganese	mg/L	0.941	0.961	1.00	2.1	20	93.5	X430053 - X4G0325-01	
EPA 200.7	Molybdenum	mg/L	1.51	1.53	1.00	1.4	20	96.4	X430053 - X4G0325-01	
EPA 200.7	Nickel	mg/L	0.922	0.935	1.00	1.4	20	92.2	X430053 - X4G0325-01	
EPA 200.7	Potassium	mg/L	23.8	23.8	20.0	0.1	20	97.6	X430053 - X4G0325-01	
EPA 200.7	Silver	mg/L	0.0411	0.0416	0.0500	1.2	20	82.2	X430053 - X4G0325-01	
EPA 200.7	Sodium	mg/L	71.7	71.7	19.0	0.1	20	92.4	X430053 - X4G0325-01	
EPA 200.7	Vanadium	mg/L	0.974	0.999	1.00	2.5	20	97.4	X430053 - X4G0325-01	
EPA 200.7	Zinc	mg/L	0.959	0.971	1.00	1.3	20	95.9	X430053 - X4G0325-01	
EPA 200.8	Antimony	mg/L	0.0242	0.0230	0.0250	5.1	20	96.7	X429204 - X4G0194-01	
EPA 200.8	Arsenic	mg/L	0.0245	0.0238	0.0250	2.8	20	96.4	X429204 - X4G0194-01	
EPA 200.8	Cadmium	mg/L	0.0235	0.0225	0.0250	4.1	20	93.8	X429204 - X4G0194-01	
EPA 200.8	Chromium	mg/L	0.0241	0.0234	0.0250	2.8	20	96.4	X429204 - X4G0194-01	
EPA 200.8	Copper	mg/L	0.0241	0.0236	0.0250	2.1	20	96.5	X429204 - X4G0194-01	
EPA 200.8	Lead	mg/L	0.0241	0.0228	0.0250	5.8	20	96.5	X429204 - X4G0194-01	
EPA 200.8	Selenium	mg/L	0.0244	0.0224	0.0250	8.3	20	97.5	X429204 - X4G0194-01	
EPA 200.8	Silver	mg/L	0.0242	0.0233	0.0250	3.7	20	96.7	X429204 - X4G0194-01	
EPA 200.8	Thallium	mg/L	0.0243	0.0229	0.0250	6.1	20	97.2	X429204 - X4G0194-01	
EPA 200.8	Uranium	mg/L	0.0239	0.0231	0.0250	3.3	20	95.4	X429204 - X4G0194-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00206	0.00211	0.00200	2.4	20	103	X429236 - X4G0253-04	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0990	0.105	0.100	5.9	11	99.0	X430067 - X4G0246-01	
EPA 335.4	Cyanide (total)	mg/L	0.0415	0.0400	0.100	3.7	20	41.5	X430014 - X4G0238-01	M2
EPA 350.1	Ammonia as N	mg/L	1.02	0.986	1.00	3.1	20	99.6	X429168 - X4G0253-03	
EPA 351.2	TKN	mg/L	7.89	6.02	8.00	26.8	20	93.9	X430034 - X4G0250-01	B10,R2B
OIA 1677	Cyanide (WAD)	mg/L	0.0950	0.0890	0.100	6.5	11	95.0	X430078 - X4G0192-02	
SM 4500 S D	Sulfide	mg/L	0.242	0.240	0.200	0.8	20	121	X429199 - X4G0246-01	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0221	0.0204	0.0200	8.2	20	111	X429124 - X4G0181-03	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	11.0	11.0	3.00	0.1	20	109	X429134 - X4G0253-03	
EPA 300.0	Fluoride	mg/L	2.59	2.58	2.00	0.2	20	99.9	X429134 - X4G0253-03	
EPA 300.0	Nitrate as N	mg/L	2.21	2.20	2.00	0.7	20	104	X429134 - X4G0253-03	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.34	4.31	4.00	0.7	20	105	X429134 - X4G0253-03	
EPA 300.0	Nitrite as N	mg/L	2.13	2.11	2.00	0.7	20	106	X429134 - X4G0253-03	
EPA 300.0	Sulfate as SO4	mg/L	75.0	76.1	10.0	1.5	20	103	X429134 - X4G0253-03	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4G0253**
Victor, CO 80860	Reported: 30-Jul-24 11:04

Notes and Definitions

B10	Target analyte detected in method blank above laboratory acceptance limit but below reporting limit.
D1	Sample required dilution due to matrix.
D14	Due to precipitates evident in sample/digestate, a sample dilution was performed.
E11	Sample exceeds method-specified limit for solids content.
H1	Sample analysis performed past holding time.
H3	Sample was received and/or analysis requested past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
N1	See case narrative.
Q12	Sample was received and analyzed with pH <12.
Q20	Sample tested positive for oxidizers and was treated with sodium thiosulfate. Oxidizers are to be treated at collection before preservation.
R2B	RPD exceeded the laboratory acceptance limit.
U	Indicates the analyte was analyzed for but was not detected, result was less than the MDL.
V9	CCV recovery was below method acceptance limits.
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: **X4G0366**
Victor, CO 80860	Reported: 08-Aug-24 12:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-8A	X4G0366-01	Ground Water	23-Jul-24 08:56	TR	24-Jul-2024	
RB-0723	X4G0366-02	Ground Water	23-Jul-24 09:12	TR	24-Jul-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: X4G0366

The state of origin only accredits for drinking water analyses.

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0366**
Reported: 08-Aug-24 12:26

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4G0366-01 (Ground Water)**

Sampled: 23-Jul-24 08:56
Received: 24-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	51.7	mg/L	0.100	0.069		X431105	NMS	07/31/24 10:08	
EPA 200.7	**Magnesium**	6.65	mg/L	0.500	0.090		X431105	NMS	07/31/24 10:08	
EPA 200.7	**Potassium**	0.93	mg/L	0.50	0.18		X431105	NMS	07/31/24 10:08	
SM 2340 B	**Hardness (as CaCO3)**	157	mg/L	2.31	0.543		N/A		07/30/24 10:02	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X430219	NMS	07/30/24 10:02	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X430219	NMS	07/30/24 10:02	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X430219	NMS	07/30/24 10:02	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X430219	NMS	07/30/24 10:02	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X430219	NMS	07/30/24 10:02	
EPA 200.7	**Calcium**	47.8	mg/L	0.100	0.069		X430219	NMS	07/30/24 10:02	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X430219	NMS	07/30/24 10:02	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X430219	NMS	07/30/24 10:02	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X430219	NMS	07/30/24 10:02	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X430219	NMS	07/30/24 10:02	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X430219	NMS	07/30/24 10:02	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X430219	NMS	07/30/24 10:02	
EPA 200.7	**Magnesium**	6.23	mg/L	0.500	0.090		X430219	NMS	07/30/24 10:02	
EPA 200.7	**Manganese**	0.0169	mg/L	0.0080	0.0034		X430219	NMS	07/30/24 10:02	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X430219	NMS	07/30/24 10:02	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X430219	NMS	07/30/24 10:02	
EPA 200.7	**Potassium**	0.72	mg/L	0.50	0.18		X430219	NMS	07/30/24 10:02	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X430219	NMS	07/30/24 10:02	
EPA 200.7	**Sodium**	23.2	mg/L	0.50	0.12		X430219	NMS	07/30/24 10:02	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X430219	NMS	07/30/24 10:02	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X430219	NMS	07/30/24 10:02	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X431061	SMU	08/06/24 11:08	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X431061	SMU	08/06/24 11:08	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X431061	SMU	08/06/24 11:08	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X431061	SMU	08/06/24 11:08	
EPA 200.8	**Uranium**	0.00470	mg/L	0.000100	0.000052		X431061	SMU	08/06/24 11:08	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X430108	MAC	07/29/24 16:20	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X431155	DD	07/31/24 13:59	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X431001	DD	07/30/24 10:26	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X430165	DD	07/26/24 16:11	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X432098	DD	08/06/24 14:24	
SM 2310 B	**Acidity to pH 8.3**	-43.3	mg/L as CaCO3	10.0			X431197	MWD	08/01/24 11:52	
SM 2320 B	**Total Alkalinity**	48.1	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 15:57	
SM 2320 B	**Bicarbonate**	48.1	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 15:57	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 15:57	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 15:57	
SM 2540 C	**Total Diss. Solids**	293	mg/L	10			X430131	TJL	07/26/24 13:40	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X430132	TJL	07/29/24 12:30	
SM 4500 H B	**pH @22.6°C**	6.9	pH Units				X431047	MWD	07/30/24 15:57	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: **X4G0366**
Reported: 08-Aug-24 12:26

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4G0366-01 (Ground Water)**

Sampled: 23-Jul-24 08:56
Received: 24-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	62.4	mg/L	2.00	0.22	10	X430121	KAG	07/24/24 16:05	
EPA 300.0	**Fluoride**	1.86	mg/L	0.100	0.017		X430121	KAG	07/24/24 15:49	
EPA 300.0	**Nitrate as N**	1.28	mg/L	0.050	0.013		X430121	KAG	07/24/24 15:49	
EPA 300.0	**Nitrate+Nitrite as N**	1.28	mg/L	0.100	0.044		X430121	KAG	07/24/24 15:49	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X430121	KAG	07/24/24 15:49	
EPA 300.0	**Sulfate as SO4**	63.3	mg/L	3.00	1.80	10	X430121	KAG	07/24/24 16:05	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.94 meq/L Anion Sum: 4.23 meq/L C/A Balance: -3.55 % Calculated TDS: 242 TDS/cTDS: 1.21

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0366**
Reported: 08-Aug-24 12:26

Client Sample ID: **RB-0723**
SVL Sample ID: **X4G0366-02 (Ground Water)**

Sampled: 23-Jul-24 09:12
Received: 24-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X431105	NMS	07/31/24 10:12	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X431105	NMS	07/31/24 10:12	
EPA 200.7	**Potassium**	0.83	mg/L	0.50	0.18		X431105	NMS	07/31/24 10:12	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		07/30/24 10:05	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X430219	NMS	07/30/24 10:05	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X430219	NMS	07/30/24 10:05	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X430219	NMS	07/30/24 10:05	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X430219	NMS	07/30/24 10:05	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X430219	NMS	07/30/24 10:05	
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X430219	NMS	07/30/24 10:05	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X430219	NMS	07/30/24 10:05	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X430219	NMS	07/30/24 10:05	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X430219	NMS	07/30/24 10:05	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X430219	NMS	07/30/24 10:05	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X430219	NMS	07/30/24 10:05	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X430219	NMS	07/30/24 10:05	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X430219	NMS	07/30/24 10:05	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X430219	NMS	07/30/24 10:05	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X430219	NMS	07/30/24 10:05	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X430219	NMS	07/30/24 10:05	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X430219	NMS	07/30/24 10:05	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X430219	NMS	07/30/24 10:05	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X430219	NMS	07/30/24 10:05	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X430219	NMS	07/30/24 10:05	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X430219	NMS	07/30/24 10:05	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X431061	SMU	08/06/24 11:18	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X431061	SMU	08/06/24 11:18	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X431061	SMU	08/06/24 11:18	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X431061	SMU	08/06/24 11:18	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X431061	SMU	08/06/24 11:18	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X430108	MAC	07/29/24 16:22	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X431155	DD	07/31/24 14:01	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X431001	DD	07/30/24 10:29	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X430165	DD	07/26/24 16:13	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X432098	DD	08/06/24 14:30	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X431197	MWD	08/01/24 11:52	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 16:01	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 16:01	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 16:01	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 16:01	
SM 2540 C	**Total Diss. Solids**	25	mg/L	10			X430131	TJL	07/26/24 13:40	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X430132	TJL	07/29/24 12:30	
SM 4500 H B	**pH @22.6°C**	5.7	pH Units				X431047	MWD	07/30/24 16:01	H5

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

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0366**
Reported: 08-Aug-24 12:26

Client Sample ID: **RB-0723**
SVL Sample ID: **X4G0366-02 (Ground Water)**

Sampled: 23-Jul-24 09:12
Received: 24-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	7.59	mg/L	0.20	0.02		X430121	KAG	07/24/24 16:27	
EPA 300.0	**Fluoride**	0.101	mg/L	0.100	0.017		X430121	KAG	07/24/24 16:27	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X430121	KAG	07/24/24 16:27	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X430121	KAG	07/24/24 16:27	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X430121	KAG	07/24/24 16:27	
EPA 300.0	**Sulfate as SO4**	0.82	mg/L	0.30	0.18		X430121	KAG	07/24/24 16:27	

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0366**
Reported: 08-Aug-24 12:26

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	X431105	31-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X431105	31-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X431105	31-Jul-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X430219	30-Jul-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X430219	30-Jul-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X430219	30-Jul-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X430219	30-Jul-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X430219	30-Jul-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X430219	30-Jul-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X430219	30-Jul-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X430219	30-Jul-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X430219	30-Jul-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X430219	30-Jul-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X430219	30-Jul-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X430219	30-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X430219	30-Jul-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X430219	30-Jul-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X430219	30-Jul-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X430219	30-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X430219	30-Jul-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X430219	30-Jul-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X430219	30-Jul-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X430219	30-Jul-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X430219	30-Jul-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X431061	06-Aug-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X431061	06-Aug-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X431061	06-Aug-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X431061	06-Aug-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X431061	06-Aug-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X430108	29-Jul-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X431155	31-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X431001	30-Jul-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X430165	26-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X432098	06-Aug-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X431197	01-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X431047	30-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X431047	30-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X431047	30-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X431047	30-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X430131	26-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X430132	29-Jul-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X430121	24-Jul-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X430121	24-Jul-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X430121	24-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X430121	24-Jul-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X430121	24-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X430121	24-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0366**
Reported: 08-Aug-24 12:26

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	20.4	20.0	102	85 - 115	X431105	31-Jul-24	
EPA 200.7	Magnesium	mg/L	21.1	20.0	106	85 - 115	X431105	31-Jul-24	
EPA 200.7	Potassium	mg/L	20.6	20.0	103	85 - 115	X431105	31-Jul-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.00	1.00	100	85 - 115	X430219	30-Jul-24	
EPA 200.7	Barium	mg/L	0.975	1.00	97.5	85 - 115	X430219	30-Jul-24	
EPA 200.7	Beryllium	mg/L	0.989	1.00	98.9	85 - 115	X430219	30-Jul-24	
EPA 200.7	Boron	mg/L	0.979	1.00	97.9	85 - 115	X430219	30-Jul-24	
EPA 200.7	Cadmium	mg/L	0.997	1.00	99.7	85 - 115	X430219	30-Jul-24	
EPA 200.7	Calcium	mg/L	19.3	20.0	96.4	85 - 115	X430219	30-Jul-24	
EPA 200.7	Chromium	mg/L	0.980	1.00	98.0	85 - 115	X430219	30-Jul-24	
EPA 200.7	Cobalt	mg/L	0.994	1.00	99.4	85 - 115	X430219	30-Jul-24	
EPA 200.7	Copper	mg/L	0.997	1.00	99.7	85 - 115	X430219	30-Jul-24	
EPA 200.7	Iron	mg/L	9.71	10.0	97.1	85 - 115	X430219	30-Jul-24	
EPA 200.7	Lead	mg/L	0.966	1.00	96.6	85 - 115	X430219	30-Jul-24	
EPA 200.7	Lithium	mg/L	0.967	1.00	96.7	85 - 115	X430219	30-Jul-24	
EPA 200.7	Magnesium	mg/L	19.4	20.0	96.8	85 - 115	X430219	30-Jul-24	
EPA 200.7	Manganese	mg/L	0.958	1.00	95.8	85 - 115	X430219	30-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.00	1.00	100	85 - 115	X430219	30-Jul-24	
EPA 200.7	Nickel	mg/L	0.989	1.00	98.9	85 - 115	X430219	30-Jul-24	
EPA 200.7	Potassium	mg/L	19.5	20.0	97.7	85 - 115	X430219	30-Jul-24	
EPA 200.7	Silver	mg/L	0.0481	0.0500	96.2	85 - 115	X430219	30-Jul-24	
EPA 200.7	Sodium	mg/L	18.2	19.0	95.7	85 - 115	X430219	30-Jul-24	
EPA 200.7	Vanadium	mg/L	0.998	1.00	99.8	85 - 115	X430219	30-Jul-24	
EPA 200.7	Zinc	mg/L	0.981	1.00	98.1	85 - 115	X430219	30-Jul-24	
EPA 200.8	Antimony	mg/L	0.0232	0.0250	92.7	85 - 115	X431061	06-Aug-24	
EPA 200.8	Arsenic	mg/L	0.0241	0.0250	96.3	85 - 115	X431061	06-Aug-24	
EPA 200.8	Selenium	mg/L	0.0252	0.0250	101	85 - 115	X431061	06-Aug-24	
EPA 200.8	Thallium	mg/L	0.0229	0.0250	91.7	85 - 115	X431061	06-Aug-24	
EPA 200.8	Uranium	mg/L	0.0223	0.0250	89.2	85 - 115	X431061	06-Aug-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00223	0.00200	111	85 - 115	X430108	29-Jul-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	0.100	100	90 - 110	X431155	31-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X431001	30-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.02	1.00	102	90 - 110	X430165	26-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.100	103	90 - 110	X432098	06-Aug-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	897	884	102	95.4 - 104	X431197	01-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.3	9.93	104	96.4 - 105	X431047	30-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X431047	30-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	410	397	103	96.4 - 105	X431047	31-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X430132	29-Jul-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.94	3.00	98.1	90 - 110	X430121	24-Jul-24	
EPA 300.0	Fluoride	mg/L	1.94	2.00	97.0	90 - 110	X430121	24-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.03	2.00	101	90 - 110	X430121	24-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.48	4.50	99.5	90 - 110	X430121	24-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.45	2.50	98.0	90 - 110	X430121	24-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X430121	24-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0366**
Reported: 08-Aug-24 12:26

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	X431197 - X4G0320-01	01-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	47.2	48.1	1.9	20	X431047 - X4G0366-01	30-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	47.2	48.1	1.9	20	X431047 - X4G0366-01	30-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X431047 - X4G0366-01	30-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X431047 - X4G0366-01	30-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	27	25	7.7	10	X430131 - X4G0366-02	26-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	117	103	12.7	10	X430132 - X4G0370-01	29-Jul-24	R2B
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X430132 - X4G0366-02	29-Jul-24	
SM 4500 H B	pH @22.6°C	pH Units	6.9	6.9	0.0	20	X431047 - X4G0366-01	30-Jul-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	72.4	51.7	20.0	103	70 - 130	X431105 - X4G0366-01	31-Jul-24	
EPA 200.7	Calcium	mg/L	497	464	20.0	0.30R>S	70 - 130	X431105 - X4G0412-03	31-Jul-24	M4
EPA 200.7	Magnesium	mg/L	28.0	6.65	20.0	107	70 - 130	X431105 - X4G0366-01	31-Jul-24	
EPA 200.7	Magnesium	mg/L	62.4	37.3	20.0	125	70 - 130	X431105 - X4G0412-03	31-Jul-24	
EPA 200.7	Potassium	mg/L	21.7	0.93	20.0	104	70 - 130	X431105 - X4G0366-01	31-Jul-24	
EPA 200.7	Potassium	mg/L	27.6	5.99	20.0	108	70 - 130	X431105 - X4G0412-03	31-Jul-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	<0.080	1.00	101	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Aluminum	mg/L	21.0	21.0	1.00	0.30R>S	70 - 130	X430219 - X4G0320-02	31-Jul-24	M3
EPA 200.7	Barium	mg/L	0.993	0.0271	1.00	96.6	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Barium	mg/L	0.934	0.0049	1.00	92.9	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Beryllium	mg/L	0.980	<0.00200	1.00	98.0	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Beryllium	mg/L	0.950	<0.00200	1.00	95.0	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Boron	mg/L	1.24	0.247	1.00	99.0	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Boron	mg/L	0.925	<0.0400	1.00	92.5	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Cadmium	mg/L	0.987	<0.0020	1.00	98.7	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Cadmium	mg/L	1.01	0.0657	1.00	94.3	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Calcium	mg/L	117	94.9	20.0	113	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Calcium	mg/L	63.3	46.1	20.0	85.8	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Chromium	mg/L	0.958	<0.0060	1.00	95.8	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Chromium	mg/L	0.999	0.0377	1.00	96.1	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Cobalt	mg/L	0.960	<0.0060	1.00	96.0	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Cobalt	mg/L	1.02	0.106	1.00	90.9	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Copper	mg/L	0.979	<0.0100	1.00	97.9	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Copper	mg/L	1.58	0.640	1.00	94.4	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Iron	mg/L	9.65	<0.100	10.0	96.5	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Iron	mg/L	161	155	10.0	0.30R>S	70 - 130	X430219 - X4G0320-02	31-Jul-24	M3
EPA 200.7	Lead	mg/L	0.941	<0.0075	1.00	94.1	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Lead	mg/L	0.928	<0.0075	1.00	92.8	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Lithium	mg/L	0.957	<0.040	1.00	95.7	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Lithium	mg/L	0.996	0.045	1.00	95.1	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Magnesium	mg/L	46.3	26.4	20.0	99.5	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Magnesium	mg/L	33.0	14.4	20.0	92.9	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Manganese	mg/L	0.959	<0.0080	1.00	95.2	70 - 130	X430219 - X4G0379-14	30-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0366**
Reported: 08-Aug-24 12:26

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	3.24	2.40	1.00	83.7	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.983	<0.0080	1.00	98.3	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.916	<0.0080	1.00	91.6	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Nickel	mg/L	0.945	<0.0100	1.00	94.5	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Nickel	mg/L	1.48	0.586	1.00	89.3	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Potassium	mg/L	31.9	12.0	20.0	99.7	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Potassium	mg/L	19.2	<0.50	20.0	95.9	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Silver	mg/L	0.0487	<0.0050	0.0500	97.4	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Silver	mg/L	0.0506	<0.0050	0.0500	101	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Sodium	mg/L	88.9	68.4	19.0	108	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Sodium	mg/L	19.6	1.34	19.0	96.0	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Vanadium	mg/L	0.993	0.0067	1.00	98.6	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Vanadium	mg/L	0.992	0.0316	1.00	96.1	70 - 130	X430219 - X4G0320-02	31-Jul-24	
EPA 200.7	Zinc	mg/L	0.991	0.0266	1.00	96.4	70 - 130	X430219 - X4G0379-14	30-Jul-24	
EPA 200.7	Zinc	mg/L	5.01	4.35	1.00	0.30R>S	70 - 130	X430219 - X4G0320-02	31-Jul-24	M3
EPA 200.8	Antimony	mg/L	0.0304	0.00667	0.0250	95.0	70 - 130	X431061 - X4G0347-01	06-Aug-24	
EPA 200.8	Antimony	mg/L	0.0265	<0.00100	0.0250	106	70 - 130	X431061 - X4G0366-01	06-Aug-24	
EPA 200.8	Arsenic	mg/L	0.0311	0.00751	0.0250	94.6	70 - 130	X431061 - X4G0347-01	06-Aug-24	
EPA 200.8	Arsenic	mg/L	0.0262	<0.00100	0.0250	105	70 - 130	X431061 - X4G0366-01	06-Aug-24	
EPA 200.8	Selenium	mg/L	0.0428	0.0201	0.0250	90.8	70 - 130	X431061 - X4G0347-01	06-Aug-24	
EPA 200.8	Selenium	mg/L	0.0265	<0.00100	0.0250	104	70 - 130	X431061 - X4G0366-01	06-Aug-24	
EPA 200.8	Thallium	mg/L	0.0221	0.000328	0.0250	87.2	70 - 130	X431061 - X4G0347-01	06-Aug-24	
EPA 200.8	Thallium	mg/L	0.0246	<0.000200	0.0250	98.6	70 - 130	X431061 - X4G0366-01	06-Aug-24	
EPA 200.8	Uranium	mg/L	0.0261	0.00414	0.0250	88.0	70 - 130	X431061 - X4G0347-01	06-Aug-24	
EPA 200.8	Uranium	mg/L	0.0289	0.00470	0.0250	96.9	70 - 130	X431061 - X4G0366-01	06-Aug-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00222	<0.000200	0.00200	111	70 - 130	X430108 - X4G0313-02	29-Jul-24	
EPA 245.1	Mercury	mg/L	0.00214	<0.000200	0.00200	107	70 - 130	X430108 - X4G0366-02	29-Jul-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.113	<0.0050	0.100	113	79 - 121	X431155 - X4G0457-08	31-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X431001 - X4G0412-02	30-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.105	<0.0050	0.100	105	90 - 110	X431001 - X4G0412-01	30-Jul-24	
EPA 350.1	Ammonia as N	mg/L	0.934	<0.030	1.00	93.4	90 - 110	X430165 - X4G0366-01	26-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X430165 - X4G0366-02	26-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0960	<0.0050	0.100	96.0	82 - 118	X432098 - X4G0366-01	06-Aug-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	10.7	7.59	3.00	104	90 - 110	X430121 - X4G0366-02	24-Jul-24	
EPA 300.0	Chloride	mg/L	9.89	6.76	3.00	104	90 - 110	X430121 - X4G0402-01	24-Jul-24	
EPA 300.0	Fluoride	mg/L	2.03	0.101	2.00	96.7	90 - 110	X430121 - X4G0366-02	24-Jul-24	
EPA 300.0	Fluoride	mg/L	1.93	<0.100	2.00	93.2	90 - 110	X430121 - X4G0402-01	24-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	101	90 - 110	X430121 - X4G0366-02	24-Jul-24	
EPA 300.0	Nitrate as N	mg/L	3.68	1.68	2.00	100	90 - 110	X430121 - X4G0402-01	24-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.05	<0.100	4.00	101	90 - 110	X430121 - X4G0366-02	24-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.67	1.68	4.00	99.8	90 - 110	X430121 - X4G0402-01	24-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	101	90 - 110	X430121 - X4G0366-02	24-Jul-24	
EPA 300.0	Nitrite as N	mg/L	1.99	<0.050	2.00	99.4	90 - 110	X430121 - X4G0402-01	24-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	10.8	0.82	10.0	100	90 - 110	X430121 - X4G0366-02	24-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	22.5	12.5	10.0	99.9	90 - 110	X430121 - X4G0402-01	24-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0366**
Reported: 08-Aug-24 12:26

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	73.6	72.4	20.0	2.0	20	109	X431105 - X4G0366-01	
EPA 200.7	Magnesium	mg/L	28.2	28.0	20.0	0.5	20	108	X431105 - X4G0366-01	
EPA 200.7	Potassium	mg/L	22.1	21.7	20.0	1.8	20	106	X431105 - X4G0366-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	22.1	21.0	1.00	5.0	20	112	X430219 - X4G0320-02	
EPA 200.7	Barium	mg/L	1.01	0.934	1.00	8.3	20	101	X430219 - X4G0320-02	
EPA 200.7	Beryllium	mg/L	1.01	0.950	1.00	6.6	20	101	X430219 - X4G0320-02	
EPA 200.7	Boron	mg/L	0.990	0.925	1.00	6.7	20	99.0	X430219 - X4G0320-02	
EPA 200.7	Cadmium	mg/L	1.10	1.01	1.00	8.4	20	103	X430219 - X4G0320-02	
EPA 200.7	Calcium	mg/L	66.2	63.3	20.0	4.5	20	100	X430219 - X4G0320-02	
EPA 200.7	Chromium	mg/L	1.02	0.999	1.00	2.4	20	98.5	X430219 - X4G0320-02	
EPA 200.7	Cobalt	mg/L	1.11	1.02	1.00	9.1	20	101	X430219 - X4G0320-02	
EPA 200.7	Copper	mg/L	1.69	1.58	1.00	6.7	20	105	X430219 - X4G0320-02	
EPA 200.7	Iron	mg/L	166	161	10.0	3.4	20	109	X430219 - X4G0320-02	
EPA 200.7	Lead	mg/L	0.973	0.928	1.00	4.7	20	97.3	X430219 - X4G0320-02	
EPA 200.7	Lithium	mg/L	1.04	0.996	1.00	4.4	20	99.6	X430219 - X4G0320-02	
EPA 200.7	Magnesium	mg/L	34.3	33.0	20.0	4.0	20	99.6	X430219 - X4G0320-02	
EPA 200.7	Manganese	mg/L	3.40	3.24	1.00	5.1	20	101	X430219 - X4G0320-02	
EPA 200.7	Molybdenum	mg/L	0.996	0.916	1.00	8.4	20	99.6	X430219 - X4G0320-02	
EPA 200.7	Nickel	mg/L	1.57	1.48	1.00	6.3	20	98.9	X430219 - X4G0320-02	
EPA 200.7	Potassium	mg/L	20.3	19.2	20.0	5.5	20	101	X430219 - X4G0320-02	
EPA 200.7	Silver	mg/L	0.0507	0.0506	0.0500	0.1	20	101	X430219 - X4G0320-02	
EPA 200.7	Sodium	mg/L	20.1	19.6	19.0	2.4	20	98.5	X430219 - X4G0320-02	
EPA 200.7	Vanadium	mg/L	1.04	0.992	1.00	5.1	20	101	X430219 - X4G0320-02	
EPA 200.7	Zinc	mg/L	5.34	5.01	1.00	6.4	20	99.3	X430219 - X4G0320-02	
EPA 200.8	Antimony	mg/L	0.0314	0.0304	0.0250	3.2	20	98.9	X431061 - X4G0347-01	
EPA 200.8	Arsenic	mg/L	0.0317	0.0311	0.0250	1.7	20	96.6	X431061 - X4G0347-01	
EPA 200.8	Selenium	mg/L	0.0431	0.0428	0.0250	0.7	20	91.9	X431061 - X4G0347-01	
EPA 200.8	Thallium	mg/L	0.0228	0.0221	0.0250	2.9	20	89.7	X431061 - X4G0347-01	
EPA 200.8	Uranium	mg/L	0.0268	0.0261	0.0250	2.6	20	90.8	X431061 - X4G0347-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00215	0.00222	0.00200	3.0	20	108	X430108 - X4G0313-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.110	0.113	0.100	2.7	11	110	X431155 - X4G0457-08	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.101	0.100	1.3	20	102	X431001 - X4G0412-02	
EPA 350.1	Ammonia as N	mg/L	0.968	0.934	1.00	3.6	20	96.8	X430165 - X4G0366-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0890	0.0960	0.100	7.6	11	89.0	X432098 - X4G0366-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	10.8	10.7	3.00	0.5	20	106	X430121 - X4G0366-02	
EPA 300.0	Fluoride	mg/L	2.07	2.03	2.00	1.9	20	98.6	X430121 - X4G0366-02	
EPA 300.0	Nitrate as N	mg/L	2.07	2.04	2.00	1.6	20	103	X430121 - X4G0366-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.13	4.05	4.00	1.8	20	103	X430121 - X4G0366-02	
EPA 300.0	Nitrite as N	mg/L	2.05	2.01	2.00	2.0	20	103	X430121 - X4G0366-02	
EPA 300.0	Sulfate as SO4	mg/L	11.1	10.8	10.0	2.6	20	103	X430121 - X4G0366-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4G0366**
Victor, CO 80860	Reported: 08-Aug-24 12:26

Notes and Definitions

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

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4G0414**
Victor, CO 80860	Reported: 12-Aug-24 10:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-8B	X4G0414-01	Ground Water	24-Jul-24 09:56	tr	25-Jul-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: X4G0414

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: **X4G0414**
Reported: 12-Aug-24 10:57

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4G0414-01 (Ground Water)**

Sampled: 24-Jul-24 09:56
Received: 25-Jul-24
Sampled By: tr

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	47.5	mg/L	0.100	0.069		X431105	NMS	07/31/24 11:00	
EPA 200.7	**Magnesium**	7.84	mg/L	0.500	0.090		X431105	NMS	07/31/24 11:00	
EPA 200.7	**Potassium**	1.41	mg/L	0.50	0.18		X431105	NMS	07/31/24 11:00	
SM 2340 B	**Hardness (as CaCO3)**	151	mg/L	2.31	0.543		N/A		07/30/24 19:18	
SM 2340 B	**Hardness (as CaCO3)**	153	mg/L	2.31	0.543		N/A		08/09/24 19:05	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X431078	SJN	07/30/24 19:18	
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X431078	JRR	08/09/24 19:05	
EPA 200.7	**Barium**	0.0050	mg/L	0.0020	0.0019		X431078	SJN	07/30/24 19:18	
EPA 200.7	**Barium**	0.0043	mg/L	0.0020	0.0019		X431078	JRR	08/09/24 19:59	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X431078	SJN	07/30/24 19:18	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X431078	JRR	08/09/24 19:05	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X431078	SJN	07/30/24 19:18	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X431078	JRR	08/09/24 19:40	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X431078	SJN	07/30/24 19:18	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X431078	JRR	08/09/24 19:05	
EPA 200.7	**Calcium**	45.4	mg/L	0.100	0.069		X431078	SJN	07/30/24 19:18	
EPA 200.7	**Calcium**	48.2	mg/L	0.100	0.069		X431078	JRR	08/09/24 19:05	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X431078	SJN	07/30/24 19:18	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X431078	JRR	08/09/24 19:05	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X431078	SJN	07/30/24 19:18	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X431078	JRR	08/09/24 19:05	
EPA 200.7	**Copper**	0.0132	mg/L	0.0100	0.0027		X431078	SJN	07/30/24 19:18	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X431078	JRR	08/09/24 19:05	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X431078	SJN	07/30/24 19:18	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X431078	JRR	08/09/24 19:05	
EPA 200.7	**Lead**	0.0080	mg/L	0.0075	0.0049		X431078	SJN	07/30/24 19:18	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X431078	JRR	08/09/24 19:59	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X431078	NMS	07/31/24 11:44	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X431078	JRR	08/09/24 19:05	
EPA 200.7	**Magnesium**	7.28	mg/L	0.500	0.090		X431078	SJN	07/30/24 19:18	
EPA 200.7	**Magnesium**	7.81	mg/L	0.500	0.090		X431078	JRR	08/09/24 19:05	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X431078	SJN	07/30/24 19:18	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X431078	JRR	08/09/24 19:05	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X431078	SJN	07/30/24 19:18	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X431078	JRR	08/09/24 19:05	
EPA 200.7	**Nickel**	0.0250	mg/L	0.0100	0.0048		X431078	SJN	07/30/24 19:18	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X431078	JRR	08/09/24 19:05	
EPA 200.7	**Potassium**	74.6	mg/L	0.50	0.18		X431078	SJN	07/30/24 19:18	
EPA 200.7	**Potassium**	79.4	mg/L	0.50	0.18		X431078	JRR	08/09/24 19:05	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X431078	SJN	07/30/24 19:18	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X431078	JRR	08/09/24 19:05	
EPA 200.7	**Sodium**	25.0	mg/L	0.50	0.12		X431078	SJN	07/30/24 19:18	
EPA 200.7	**Sodium**	26.7	mg/L	0.50	0.12		X431078	JRR	08/09/24 19:05	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X431078	SJN	07/30/24 19:18	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X431078	JRR	08/09/24 19:05	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X431078	NMS	07/31/24 11:44	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X431078	JRR	08/09/24 19:05	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X431060	SMU	08/06/24 10:31	

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: **X4G0414**
Reported: 12-Aug-24 10:57

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4G0414-01 (Ground Water)**

Sampled: 24-Jul-24 09:56
Received: 25-Jul-24
Sampled By: tr

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X431060	SMU	08/06/24 10:31	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X431060	SMU	08/06/24 10:31	M1
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X431060	SMU	08/06/24 10:31	
EPA 200.8	**Uranium**	0.00272	mg/L	0.000100	0.000052		X431060	SMU	08/06/24 10:31	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X430108	MAC	07/29/24 16:31	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X431157	DD	08/01/24 13:47	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X431001	DD	07/30/24 10:40	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X431096	DD	07/31/24 11:32	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X432098	DD	08/06/24 14:39	
SM 2310 B	**Acidity to pH 8.3**	-43.3	mg/L as CaCO3	10.0			X431198	MWD	08/01/24 11:48	
SM 2320 B	**Total Alkalinity**	38.3	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 17:14	
SM 2320 B	**Bicarbonate**	38.3	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 17:14	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 17:14	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X431047	MWD	07/30/24 17:14	
SM 2540 C	**Total Diss. Solids**	272	mg/L	10			X430215	TJL	07/29/24 13:35	
SM 2540 D	**Total Susp. Solids**	10.0	mg/L	5.0			X430216	TJL	07/29/24 12:55	
SM 4500 H B	**pH @23.1°C**	6.9	pH Units				X431047	MWD	07/30/24 17:14	H5
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	39.1	mg/L	2.00	0.22	10	X430173	RS	07/25/24 19:31	
EPA 300.0	**Fluoride**	2.10	mg/L	0.100	0.017		X430173	RS	07/25/24 19:15	
EPA 300.0	**Nitrate as N**	2.16	mg/L	0.050	0.013		X430173	RS	07/25/24 19:15	
EPA 300.0	**Nitrate+Nitrite as N**	2.16	mg/L	0.100	0.044		X430173	RS	07/25/24 19:15	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X430173	RS	07/25/24 19:15	
EPA 300.0	**Sulfate as SO4**	95.5	mg/L	3.00	1.80	10	X430173	RS	07/25/24 19:31	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.00 meq/L Anion Sum: 4.12 meq/L C/A Balance: -1.48 % Calculated TDS: 302 TDS/cTDS: 0.90

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

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: **X4G0414**
Reported: 12-Aug-24 10:57

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	X431105	31-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X431105	31-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X431105	31-Jul-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X431078	30-Jul-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X431078	30-Jul-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X431078	30-Jul-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X431078	30-Jul-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X431078	30-Jul-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X431078	30-Jul-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X431078	30-Jul-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X431078	30-Jul-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X431078	30-Jul-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X431078	30-Jul-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X431078	30-Jul-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X431078	31-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X431078	30-Jul-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X431078	30-Jul-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X431078	30-Jul-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X431078	30-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X431078	30-Jul-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X431078	30-Jul-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X431078	30-Jul-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X431078	30-Jul-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X431078	30-Jul-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X431060	06-Aug-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X431060	06-Aug-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X431060	06-Aug-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X431060	06-Aug-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X431060	06-Aug-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X430108	29-Jul-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X431157	01-Aug-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X431001	30-Jul-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X431096	31-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X432098	06-Aug-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X431198	01-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X431047	30-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X431047	30-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X431047	30-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X431047	30-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X430215	29-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X430216	29-Jul-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X430173	25-Jul-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X430173	25-Jul-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X430173	25-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X430173	25-Jul-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X430173	25-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X430173	25-Jul-24	

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0414**
Reported: 12-Aug-24 10:57

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	20.4	20.0	102	85 - 115	X431105	31-Jul-24	
EPA 200.7	Magnesium	mg/L	21.1	20.0	106	85 - 115	X431105	31-Jul-24	
EPA 200.7	Potassium	mg/L	20.6	20.0	103	85 - 115	X431105	31-Jul-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.963	1.00	96.3	85 - 115	X431078	30-Jul-24	
EPA 200.7	Barium	mg/L	0.977	1.00	97.7	85 - 115	X431078	30-Jul-24	
EPA 200.7	Beryllium	mg/L	0.992	1.00	99.2	85 - 115	X431078	30-Jul-24	
EPA 200.7	Boron	mg/L	0.981	1.00	98.1	85 - 115	X431078	30-Jul-24	
EPA 200.7	Cadmium	mg/L	0.984	1.00	98.4	85 - 115	X431078	30-Jul-24	
EPA 200.7	Calcium	mg/L	19.4	20.0	96.8	85 - 115	X431078	30-Jul-24	
EPA 200.7	Chromium	mg/L	0.989	1.00	98.9	85 - 115	X431078	30-Jul-24	
EPA 200.7	Cobalt	mg/L	0.984	1.00	98.4	85 - 115	X431078	30-Jul-24	
EPA 200.7	Copper	mg/L	1.00	1.00	100	85 - 115	X431078	30-Jul-24	
EPA 200.7	Iron	mg/L	10.0	10.0	100	85 - 115	X431078	30-Jul-24	
EPA 200.7	Lead	mg/L	0.979	1.00	97.9	85 - 115	X431078	30-Jul-24	
EPA 200.7	Lithium	mg/L	0.955	1.00	95.5	85 - 115	X431078	31-Jul-24	
EPA 200.7	Magnesium	mg/L	19.1	20.0	95.3	85 - 115	X431078	30-Jul-24	
EPA 200.7	Manganese	mg/L	0.980	1.00	98.0	85 - 115	X431078	30-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.987	1.00	98.7	85 - 115	X431078	30-Jul-24	
EPA 200.7	Nickel	mg/L	0.987	1.00	98.7	85 - 115	X431078	30-Jul-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	97.8	85 - 115	X431078	30-Jul-24	
EPA 200.7	Silver	mg/L	0.0508	0.0500	102	85 - 115	X431078	30-Jul-24	
EPA 200.7	Sodium	mg/L	18.6	19.0	98.0	85 - 115	X431078	30-Jul-24	
EPA 200.7	Vanadium	mg/L	0.995	1.00	99.5	85 - 115	X431078	30-Jul-24	
EPA 200.7	Zinc	mg/L	1.00	1.00	100	85 - 115	X431078	30-Jul-24	
EPA 200.8	Antimony	mg/L	0.0259	0.0250	103	85 - 115	X431060	06-Aug-24	
EPA 200.8	Arsenic	mg/L	0.0267	0.0250	107	85 - 115	X431060	06-Aug-24	
EPA 200.8	Selenium	mg/L	0.0276	0.0250	110	85 - 115	X431060	06-Aug-24	
EPA 200.8	Thallium	mg/L	0.0262	0.0250	105	85 - 115	X431060	06-Aug-24	
EPA 200.8	Uranium	mg/L	0.0259	0.0250	104	85 - 115	X431060	06-Aug-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00223	0.00200	111	85 - 115	X430108	29-Jul-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.106	0.100	106	90 - 110	X431157	01-Aug-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X431001	30-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X431096	31-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.100	103	90 - 110	X432098	06-Aug-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	897	884	102	95.4 - 104	X431198	01-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.3	9.93	104	96.4 - 105	X431047	30-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X431047	30-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	410	397	103	96.4 - 105	X431047	31-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X430216	29-Jul-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.3	90 - 110	X430173	25-Jul-24	
EPA 300.0	Fluoride	mg/L	1.95	2.00	97.7	90 - 110	X430173	25-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X430173	25-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.54	4.50	101	90 - 110	X430173	25-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.48	2.50	99.1	90 - 110	X430173	25-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X430173	25-Jul-24	

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0414**
Reported: 12-Aug-24 10:57

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	X431198 - X4G0412-01	01-Aug-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	47.2	48.1	1.9	20	X431047 - X4G0366-01	30-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	47.2	48.1	1.9	20	X431047 - X4G0366-01	30-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X431047 - X4G0366-01	30-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X431047 - X4G0366-01	30-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	283	272	4.0	10	X430215 - X4G0414-01	29-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	476	452	5.2	10	X430215 - X4G0412-02	29-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	8.0	8.0	0.0	10	X430216 - X4G0412-02	29-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X430216 - X4G0429-02	29-Jul-24	
SM 4500 H B	pH @22.6°C	pH Units	6.9	6.9	0.0	20	X431047 - X4G0366-01	30-Jul-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	72.4	51.7	20.0	103	70 - 130	X431105 - X4G0366-01	31-Jul-24	
EPA 200.7	Calcium	mg/L	497	464	20.0	0.30R>S	70 - 130	X431105 - X4G0412-03	31-Jul-24	M4
EPA 200.7	Magnesium	mg/L	28.0	6.65	20.0	107	70 - 130	X431105 - X4G0366-01	31-Jul-24	
EPA 200.7	Magnesium	mg/L	62.4	37.3	20.0	125	70 - 130	X431105 - X4G0412-03	31-Jul-24	
EPA 200.7	Potassium	mg/L	21.7	0.93	20.0	104	70 - 130	X431105 - X4G0366-01	31-Jul-24	
EPA 200.7	Potassium	mg/L	27.6	5.99	20.0	108	70 - 130	X431105 - X4G0412-03	31-Jul-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.967	<0.080	1.00	96.7	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Aluminum	mg/L	0.947	<0.080	1.00	94.7	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Barium	mg/L	1.08	0.0881	1.00	98.8	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Barium	mg/L	1.07	0.0910	1.00	98.2	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Beryllium	mg/L	0.974	<0.00200	1.00	97.4	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Beryllium	mg/L	0.953	<0.00200	1.00	95.3	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Boron	mg/L	0.992	<0.0400	1.00	99.2	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Boron	mg/L	0.963	<0.0400	1.00	96.3	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Cadmium	mg/L	0.996	<0.0020	1.00	99.6	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Cadmium	mg/L	0.995	<0.0020	1.00	99.5	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Calcium	mg/L	21.1	1.70	20.0	97.2	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Calcium	mg/L	21.2	1.36	20.0	99.0	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Chromium	mg/L	0.993	<0.0060	1.00	99.3	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Chromium	mg/L	0.992	<0.0060	1.00	99.2	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Cobalt	mg/L	0.994	<0.0060	1.00	99.4	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Cobalt	mg/L	0.992	<0.0060	1.00	99.2	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	100	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	100	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Iron	mg/L	10.0	<0.100	10.0	100	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	101	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Lead	mg/L	0.987	<0.0075	1.00	98.7	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Lead	mg/L	0.991	<0.0075	1.00	99.1	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Lithium	mg/L	0.983	<0.040	1.00	98.3	70 - 130	X431078 - X4G0408-04	31-Jul-24	
EPA 200.7	Magnesium	mg/L	20.4	1.01	20.0	97.1	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Magnesium	mg/L	20.7	0.750	20.0	99.8	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Manganese	mg/L	0.993	<0.0080	1.00	99.3	70 - 130	X431078 - X4G0408-04	30-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0414**
Reported: 12-Aug-24 10:57

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	0.986	<0.0080	1.00	98.6	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.988	<0.0080	1.00	98.8	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.985	<0.0080	1.00	98.5	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Potassium	mg/L	19.9	<0.50	20.0	98.0	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Potassium	mg/L	20.2	<0.50	20.0	99.5	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Silver	mg/L	0.0484	<0.0050	0.0500	96.8	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Silver	mg/L	0.0467	<0.0050	0.0500	93.4	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Sodium	mg/L	19.7	1.01	19.0	98.6	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Sodium	mg/L	19.9	0.82	19.0	100	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Vanadium	mg/L	0.999	<0.0050	1.00	99.9	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Vanadium	mg/L	0.993	<0.0050	1.00	99.3	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.7	Zinc	mg/L	1.02	<0.0100	1.00	102	70 - 130	X431078 - X4G0408-04	30-Jul-24	
EPA 200.7	Zinc	mg/L	1.01	<0.0100	1.00	101	70 - 130	X431078 - X4G0408-01	30-Jul-24	
EPA 200.8	Antimony	mg/L	0.0289	<0.00100	0.0250	116	70 - 130	X431060 - X4G0354-01	06-Aug-24	
EPA 200.8	Antimony	mg/L	0.0278	<0.00100	0.0250	111	70 - 130	X431060 - X4G0414-01	06-Aug-24	
EPA 200.8	Arsenic	mg/L	0.0297	<0.00100	0.0250	119	70 - 130	X431060 - X4G0354-01	06-Aug-24	
EPA 200.8	Arsenic	mg/L	0.0312	<0.00100	0.0250	125	70 - 130	X431060 - X4G0414-01	06-Aug-24	
EPA 200.8	Selenium	mg/L	0.0306	<0.00100	0.0250	121	70 - 130	X431060 - X4G0354-01	06-Aug-24	
EPA 200.8	Selenium	mg/L	0.0332	<0.00100	0.0250	131	70 - 130	X431060 - X4G0414-01	06-Aug-24	M1
EPA 200.8	Thallium	mg/L	0.0295	<0.000200	0.0250	118	70 - 130	X431060 - X4G0354-01	06-Aug-24	
EPA 200.8	Thallium	mg/L	0.0283	<0.000200	0.0250	113	70 - 130	X431060 - X4G0414-01	06-Aug-24	
EPA 200.8	Uranium	mg/L	0.0293	0.000123	0.0250	117	70 - 130	X431060 - X4G0354-01	06-Aug-24	
EPA 200.8	Uranium	mg/L	0.0328	0.00272	0.0250	120	70 - 130	X431060 - X4G0414-01	06-Aug-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00222	<0.000200	0.00200	111	70 - 130	X430108 - X4G0313-02	29-Jul-24	
EPA 245.1	Mercury	mg/L	0.00214	<0.000200	0.00200	107	70 - 130	X430108 - X4G0366-02	29-Jul-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.106	<0.0050	0.100	106	79 - 121	X431157 - X4G0412-01	01-Aug-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X431001 - X4G0412-02	30-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.105	<0.0050	0.100	105	90 - 110	X431001 - X4G0412-01	30-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	106	90 - 110	X431096 - X4G0412-01	31-Jul-24	
EPA 350.1	Ammonia as N	mg/L	0.972	<0.030	1.00	97.2	90 - 110	X431096 - X4G0412-02	31-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0960	<0.0050	0.100	96.0	82 - 118	X432098 - X4G0366-01	06-Aug-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	2.96	<0.20	3.00	98.7	90 - 110	X430173 - X4G0408-12	25-Jul-24	
EPA 300.0	Chloride	mg/L	3.11	<0.20	3.00	99.6	90 - 110	X430173 - X4G0408-04	25-Jul-24	
EPA 300.0	Fluoride	mg/L	1.94	<0.100	2.00	97.0	90 - 110	X430173 - X4G0408-12	25-Jul-24	
EPA 300.0	Fluoride	mg/L	1.98	<0.100	2.00	97.6	90 - 110	X430173 - X4G0408-04	25-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X430173 - X4G0408-12	25-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.05	<0.050	2.00	103	90 - 110	X430173 - X4G0408-04	25-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.99	<0.100	4.00	99.9	90 - 110	X430173 - X4G0408-12	25-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.05	<0.100	4.00	101	90 - 110	X430173 - X4G0408-04	25-Jul-24	
EPA 300.0	Nitrite as N	mg/L	1.97	<0.050	2.00	98.7	90 - 110	X430173 - X4G0408-12	25-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	99.9	90 - 110	X430173 - X4G0408-04	25-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	10.2	<0.30	10.0	100	90 - 110	X430173 - X4G0408-12	25-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	10.8	0.62	10.0	102	90 - 110	X430173 - X4G0408-04	25-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0414**
Reported: 12-Aug-24 10:57

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	73.6	72.4	20.0	2.0	20	109	X431105 - X4G0366-01	
EPA 200.7	Magnesium	mg/L	28.2	28.0	20.0	0.5	20	108	X431105 - X4G0366-01	
EPA 200.7	Potassium	mg/L	22.1	21.7	20.0	1.8	20	106	X431105 - X4G0366-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.955	0.967	1.00	1.3	20	95.5	X431078 - X4G0408-04	
EPA 200.7	Barium	mg/L	1.07	1.08	1.00	0.3	20	98.4	X431078 - X4G0408-04	
EPA 200.7	Beryllium	mg/L	0.963	0.974	1.00	1.2	20	96.3	X431078 - X4G0408-04	
EPA 200.7	Boron	mg/L	0.963	0.992	1.00	3.0	20	96.3	X431078 - X4G0408-04	
EPA 200.7	Cadmium	mg/L	0.994	0.996	1.00	0.2	20	99.4	X431078 - X4G0408-04	
EPA 200.7	Calcium	mg/L	21.4	21.1	20.0	1.1	20	98.4	X431078 - X4G0408-04	
EPA 200.7	Chromium	mg/L	0.986	0.993	1.00	0.7	20	98.6	X431078 - X4G0408-04	
EPA 200.7	Cobalt	mg/L	0.985	0.994	1.00	0.9	20	98.5	X431078 - X4G0408-04	
EPA 200.7	Copper	mg/L	0.995	1.00	1.00	0.9	20	99.5	X431078 - X4G0408-04	
EPA 200.7	Iron	mg/L	9.86	10.0	10.0	1.5	20	98.6	X431078 - X4G0408-04	
EPA 200.7	Lead	mg/L	0.984	0.987	1.00	0.3	20	98.4	X431078 - X4G0408-04	
EPA 200.7	Lithium	mg/L	0.962	0.983	1.00	2.1	20	96.2	X431078 - X4G0408-04	
EPA 200.7	Magnesium	mg/L	20.5	20.4	20.0	0.1	20	97.2	X431078 - X4G0408-04	
EPA 200.7	Manganese	mg/L	0.987	0.993	1.00	0.6	20	98.7	X431078 - X4G0408-04	
EPA 200.7	Molybdenum	mg/L	0.979	0.988	1.00	0.9	20	97.9	X431078 - X4G0408-04	
EPA 200.7	Nickel	mg/L	1.00	1.01	1.00	0.5	20	100	X431078 - X4G0408-04	
EPA 200.7	Potassium	mg/L	20.0	19.9	20.0	0.6	20	98.5	X431078 - X4G0408-04	
EPA 200.7	Silver	mg/L	0.0472	0.0484	0.0500	2.5	20	94.4	X431078 - X4G0408-04	
EPA 200.7	Sodium	mg/L	19.9	19.7	19.0	1.0	20	99.6	X431078 - X4G0408-04	
EPA 200.7	Vanadium	mg/L	0.987	0.999	1.00	1.2	20	98.7	X431078 - X4G0408-04	
EPA 200.7	Zinc	mg/L	1.01	1.02	1.00	0.9	20	101	X431078 - X4G0408-04	
EPA 200.8	Antimony	mg/L	0.0289	0.0289	0.0250	0.1	20	116	X431060 - X4G0354-01	
EPA 200.8	Arsenic	mg/L	0.0298	0.0297	0.0250	0.4	20	119	X431060 - X4G0354-01	
EPA 200.8	Selenium	mg/L	0.0315	0.0306	0.0250	2.8	20	125	X431060 - X4G0354-01	
EPA 200.8	Thallium	mg/L	0.0288	0.0295	0.0250	2.1	20	115	X431060 - X4G0354-01	
EPA 200.8	Uranium	mg/L	0.0280	0.0293	0.0250	4.3	20	112	X431060 - X4G0354-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00215	0.00222	0.00200	3.0	20	108	X430108 - X4G0313-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.107	0.106	0.100	0.9	11	107	X431157 - X4G0412-01	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.101	0.100	1.3	20	102	X431001 - X4G0412-02	
EPA 350.1	Ammonia as N	mg/L	0.944	1.06	1.00	11.1	20	94.4	X431096 - X4G0412-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0890	0.0960	0.100	7.6	11	89.0	X432098 - X4G0366-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.19	3.11	3.00	2.4	20	102	X430173 - X4G0408-04	
EPA 300.0	Fluoride	mg/L	2.02	1.98	2.00	2.2	20	99.8	X430173 - X4G0408-04	
EPA 300.0	Nitrate as N	mg/L	2.09	2.05	2.00	1.7	20	104	X430173 - X4G0408-04	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.13	4.05	4.00	2.0	20	103	X430173 - X4G0408-04	
EPA 300.0	Nitrite as N	mg/L	2.04	2.00	2.00	2.2	20	102	X430173 - X4G0408-04	
EPA 300.0	Sulfate as SO4	mg/L	11.0	10.8	10.0	1.5	20	104	X430173 - X4G0408-04	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4G0414**
Victor, CO 80860	Reported: 12-Aug-24 10:57

Notes and Definitions

H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
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: **X4G0192**
Victor, CO 80860	Reported: 25-Jul-24 12:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
OSABH-17	X4G0192-01	Ground Water	11-Jul-24 15:06	TR	12-Jul-2024	Q5,Q5C
GVMW-7B	X4G0192-02	Ground Water	11-Jul-24 09:22	TR	12-Jul-2024	
GVMW-7A	X4G0192-03	Ground Water	11-Jul-24 10:27	TR	12-Jul-2024	
GVMW-4A	X4G0192-04	Ground Water	11-Jul-24 12:03	TR	12-Jul-2024	
GVMW-15B	X4G0192-05	Ground Water	11-Jul-24 13:08	TR	12-Jul-2024	
GVMW-15A	X4G0192-06	Ground Water	11-Jul-24 14:08	TR	12-Jul-2024	
GVMW-104F	X4G0192-07	Ground Water	11-Jul-24 12:03	TR	12-Jul-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: X4G0192

The state of origin only accredits for drinking water analyses.

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

7/23/2024 DD: -01 diluted 2x with 0.1M NaOH for ASTM D7237 Free CN and OIA 1677 to raise pH properly and to precipitate out interferents.

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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: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4G0192-01 (Ground Water)**

Sampled: 11-Jul-24 15:06
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	426	mg/L	1.00	0.690	10	X429014	SJN	07/17/24 12:25	
EPA 200.7	**Magnesium**	1410	mg/L	5.00	0.900	10	X429014	SJN	07/17/24 12:25	
EPA 200.7	**Potassium**	5.61	mg/L	0.50	0.18		X429014	SJN	07/17/24 11:45	
SM 2340 B	**Hardness (as CaCO3)**	6860	mg/L	23.1	5.43		N/A		07/15/24 17:22	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	2960	mg/L	0.800	0.540	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	Barium	< 0.0200	mg/L	0.0200	0.0190	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Beryllium**	0.588	mg/L	0.0200	0.00800	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	Boron	< 0.400	mg/L	0.400	0.0780	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Cadmium**	6.47	mg/L	0.0200	0.0160	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Calcium**	413	mg/L	1.00	0.690	10	X429040	NMS	07/15/24 17:22	B7,D1
EPA 200.7	**Chromium**	0.576	mg/L	0.0600	0.0200	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Cobalt**	14.5	mg/L	0.0600	0.0460	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Copper**	11.6	mg/L	0.100	0.0270	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Iron**	77.2	mg/L	1.00	0.560	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	Lead	< 0.0750	mg/L	0.0750	0.0490	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Lithium**	1.83	mg/L	0.400	0.250	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Magnesium**	1310	mg/L	5.00	0.900	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Manganese**	909	mg/L	0.800	0.340	100	X429040	NMS	07/15/24 18:55	D1
EPA 200.7	Molybdenum	< 0.0800	mg/L	0.0800	0.0340	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Nickel**	13.1	mg/L	0.100	0.0480	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Potassium**	6.78	mg/L	5.00	1.80	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	Silver	< 0.0500	mg/L	0.0500	0.0190	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Sodium**	12.8	mg/L	5.00	1.20	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	Vanadium	< 0.0500	mg/L	0.0500	0.0190	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.7	**Zinc**	247	mg/L	0.100	0.0540	10	X429040	NMS	07/15/24 17:22	D1
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429205	SMU	07/23/24 15:39	
EPA 200.8	**Arsenic**	0.441	mg/L	0.00500	0.00105	5	X429205	SMU	07/23/24 16:15	D1
EPA 200.8	**Selenium**	0.0419	mg/L	0.00500	0.00120	5	X429205	SMU	07/23/24 16:15	D1
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X429205	SMU	07/23/24 16:15	D1
EPA 200.8	**Uranium**	8.40	mg/L	0.00500	0.00260	50	X429205	SMU	07/23/24 17:07	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428241	MAC	07/17/24 15:01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0100	mg/L	0.0100	0.0096	2	X429107	DD	07/19/24 13:59	D1,N1,Q12
EPA 335.4	**Cyanide (total)**	0.0127	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:40	
EPA 350.1	**Ammonia as N**	0.038	mg/L	0.030	0.013		X429075	DD	07/17/24 12:44	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430078	DD	07/23/24 16:26	
SM 2310 B	**Acidity to pH 8.3**	19900	mg/L as CaCO3	10.0			X429182	MWD	07/19/24 11:47	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:43	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:43	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:43	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:43	
SM 2540 C	**Total Diss. Solids**	33100	mg/L	100			X429039	TJL	07/17/24 12:40	E11
SM 2540 D	**Total Susp. Solids**	116	mg/L	5.0			X429041	TJL	07/17/24 14:50	
SM 4500 H B	**pH @22.2°C**	3.0	pH Units				X429017	MWD	07/15/24 13:43	H5

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

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4G0192-01 (Ground Water)**

Sampled: 11-Jul-24 15:06
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	20.2	mg/L	5.00	0.55	25	X428229	RS	07/12/24 13:20	
EPA 300.0	**Fluoride**	591	mg/L	50.0	8.50	500	X428229	RS	07/12/24 13:37	
EPA 300.0	**Nitrate as N**	2.54	mg/L	1.25	0.325	25	X428229	RS	07/12/24 13:20	D1
EPA 300.0	**Nitrate+Nitrite as N**	2.54	mg/L	2.50	1.10	25	X428229	RS	07/12/24 13:20	D1
EPA 300.0	Nitrite as N	< 1.25	mg/L	1.25	0.775	25	X428229	RS	07/12/24 13:20	D1
EPA 300.0	**Sulfate as SO4**	26100	mg/L	300	180	1000	X428229	RS	07/12/24 19:58	

Cation/Anion Balance and TDS Ratios

Cation Sum: 527 meq/L Anion Sum: 575 meq/L C/A Balance: -4.37 % Calculated TDS: 28521 TDS/cTDS: 1.16

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4G0192-02 (Ground Water)**

Sampled: 11-Jul-24 09:22
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	114	mg/L	0.100	0.069		X429014	SJN	07/17/24 11:49	
EPA 200.7	**Magnesium**	50.2	mg/L	0.500	0.090		X429014	SJN	07/17/24 11:49	
EPA 200.7	**Potassium**	1.48	mg/L	0.50	0.18		X429014	SJN	07/17/24 11:49	
SM 2340 B	**Hardness (as CaCO3)**	488	mg/L	2.31	0.543		N/A		07/17/24 11:49	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 17:26	
EPA 200.7	**Barium**	0.0551	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 17:26	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 17:26	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 17:26	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 17:26	
EPA 200.7	**Calcium**	115	mg/L	0.100	0.069		X429040	NMS	07/15/24 17:26	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 17:26	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 17:26	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 17:26	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X429040	NMS	07/15/24 17:26	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 17:26	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 17:26	
EPA 200.7	**Magnesium**	48.4	mg/L	0.500	0.090		X429040	NMS	07/15/24 17:26	
EPA 200.7	**Manganese**	0.0094	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:26	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:26	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 17:26	
EPA 200.7	**Potassium**	1.67	mg/L	0.50	0.18		X429040	NMS	07/15/24 17:26	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:26	
EPA 200.7	**Sodium**	17.6	mg/L	0.50	0.12		X429040	NMS	07/15/24 17:26	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:26	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 17:26	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429205	SMU	07/23/24 15:44	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X429205	SMU	07/23/24 15:44	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X429205	SMU	07/23/24 15:44	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X429205	SMU	07/23/24 15:44	
EPA 200.8	**Uranium**	0.00596	mg/L	0.000100	0.000052		X429205	SMU	07/23/24 15:44	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428241	MAC	07/17/24 15:03	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X429107	DD	07/19/24 14:01	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:54	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X429075	DD	07/17/24 12:46	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430078	DD	07/23/24 16:28	
SM 2310 B	**Acidity to pH 8.3**	-75.8	mg/L as CaCO3	10.0			X429182	MWD	07/19/24 11:47	
SM 2320 B	**Total Alkalinity**	72.6	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:48	
SM 2320 B	**Bicarbonate**	72.6	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:48	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:48	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:48	
SM 2540 C	**Total Diss. Solids**	1280	mg/L	10			X429039	TJL	07/17/24 12:40	
SM 2540 D	**Total Susp. Solids**	33.0	mg/L	5.0			X429041	TJL	07/17/24 14:50	
SM 4500 H B	**pH @22.2°C**	7.1	pH Units				X429017	MWD	07/15/24 13:48	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: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4G0192-02 (Ground Water)**

Sampled: 11-Jul-24 09:22
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	90.9	mg/L	5.00	0.55	25	X428229	RS	07/12/24 14:10	
EPA 300.0	**Fluoride**	0.264	mg/L	0.100	0.017		X428229	RS	07/12/24 13:54	
EPA 300.0	**Nitrate as N**	0.410	mg/L	0.050	0.013		X428229	RS	07/12/24 13:54	
EPA 300.0	**Nitrate+Nitrite as N**	0.410	mg/L	0.100	0.044		X428229	RS	07/12/24 13:54	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428229	RS	07/12/24 13:54	
EPA 300.0	**Sulfate as SO4**	366	mg/L	7.50	4.50	25	X428229	RS	07/12/24 14:10	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 10.5 meq/L Anion Sum: 11.7 meq/L C/A Balance: -5.36 % Calculated TDS: 686 TDS/cTDS: 1.87

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

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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: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4G0192-03 (Ground Water)**

Sampled: 11-Jul-24 10:27
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	36.5	mg/L	0.100	0.069		X429014	SJN	07/17/24 11:52	
EPA 200.7	**Magnesium**	17.5	mg/L	0.500	0.090		X429014	SJN	07/17/24 11:52	
EPA 200.7	**Potassium**	0.85	mg/L	0.50	0.18		X429014	SJN	07/17/24 11:52	
SM 2340 B	**Hardness (as CaCO3)**	163	mg/L	2.31	0.543		N/A		07/15/24 17:40	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 17:40	
EPA 200.7	**Barium**	0.181	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 17:40	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 17:40	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 17:40	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 17:40	
EPA 200.7	**Calcium**	37.6	mg/L	0.100	0.069		X429040	NMS	07/15/24 17:40	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 17:40	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 17:40	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 17:40	
EPA 200.7	**Iron**	1.04	mg/L	0.100	0.056		X429040	NMS	07/15/24 17:40	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 17:40	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 17:40	
EPA 200.7	**Magnesium**	18.1	mg/L	0.500	0.090		X429040	NMS	07/15/24 17:40	
EPA 200.7	**Manganese**	0.214	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:40	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:40	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 17:40	
EPA 200.7	**Potassium**	0.87	mg/L	0.50	0.18		X429040	NMS	07/15/24 17:40	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:40	
EPA 200.7	**Sodium**	9.13	mg/L	0.50	0.12		X429040	NMS	07/15/24 17:40	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:40	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 17:40	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429205	SMU	07/23/24 15:51	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X429205	SMU	07/23/24 15:51	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X429205	SMU	07/23/24 15:51	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X429205	SMU	07/23/24 15:51	
EPA 200.8	**Uranium**	0.00441	mg/L	0.000100	0.000052		X429205	SMU	07/23/24 15:51	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428241	MAC	07/17/24 15:05	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X429107	DD	07/19/24 14:03	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:56	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X429075	DD	07/17/24 12:48	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 16:08	
SM 2310 B	**Acidity to pH 8.3**	-162	mg/L as CaCO3	10.0			X429182	MWD	07/19/24 11:47	
SM 2320 B	**Total Alkalinity**	164	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:53	
SM 2320 B	**Bicarbonate**	164	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:53	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 13:53	
SM 2540 C	**Total Diss. Solids**	195	mg/L	10			X429039	TJL	07/17/24 12:40	
SM 2540 D	**Total Susp. Solids**	7.0	mg/L	5.0			X429041	TJL	07/17/24 14:50	
SM 4500 H B	**pH @22.6°C**	7.6	pH Units				X429017	MWD	07/15/24 13:53	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: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4G0192-03 (Ground Water)**

Sampled: 11-Jul-24 10:27
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	10.8	mg/L	0.20	0.02		X428229	RS	07/12/24 14:27	
EPA 300.0	**Fluoride**	0.926	mg/L	0.100	0.017		X428229	RS	07/12/24 14:27	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X428229	RS	07/12/24 14:27	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X428229	RS	07/12/24 14:27	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428229	RS	07/12/24 14:27	
EPA 300.0	**Sulfate as SO4**	21.1	mg/L	0.30	0.18		X428229	RS	07/12/24 14:27	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.74 meq/L Anion Sum: 4.07 meq/L C/A Balance: -4.27 % Calculated TDS: 196 TDS/cTDS: 0.99

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4G0192-04 (Ground Water)**

Sampled: 11-Jul-24 12:03
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	16.2	mg/L	0.100	0.069		X429014	SJN	07/17/24 11:56	
EPA 200.7	**Magnesium**	10.4	mg/L	0.500	0.090		X429014	SJN	07/17/24 11:56	
EPA 200.7	**Potassium**	1.09	mg/L	0.50	0.18		X429014	SJN	07/17/24 11:56	
SM 2340 B	**Hardness (as CaCO3)**	82.9	mg/L	2.31	0.543		N/A		07/15/24 17:44	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 17:44	
EPA 200.7	**Barium**	0.201	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 17:44	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 17:44	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 17:44	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 17:44	
EPA 200.7	**Calcium**	16.1	mg/L	0.100	0.069		X429040	NMS	07/15/24 17:44	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 17:44	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 17:44	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 17:44	
EPA 200.7	**Iron**	7.40	mg/L	0.100	0.056		X429040	NMS	07/15/24 17:44	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 17:44	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 17:44	
EPA 200.7	**Magnesium**	10.1	mg/L	0.500	0.090		X429040	NMS	07/15/24 17:44	
EPA 200.7	**Manganese**	1.95	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:44	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:44	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 17:44	
EPA 200.7	**Potassium**	1.23	mg/L	0.50	0.18		X429040	NMS	07/15/24 17:44	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:44	
EPA 200.7	**Sodium**	8.24	mg/L	0.50	0.12		X429040	NMS	07/15/24 17:44	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:44	
EPA 200.7	**Zinc**	0.0124	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 17:44	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429205	SMU	07/23/24 15:53	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X429205	SMU	07/23/24 15:53	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X429205	SMU	07/23/24 15:53	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X429205	SMU	07/23/24 15:53	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X429205	SMU	07/23/24 15:53	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428241	MAC	07/17/24 15:07	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X429107	DD	07/19/24 14:05	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 15:59	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X429075	DD	07/17/24 12:51	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 16:14	
SM 2310 B	**Acidity to pH 8.3**	-61.4	mg/L as CaCO3	10.0			X429182	MWD	07/19/24 11:47	
SM 2320 B	**Total Alkalinity**	55.9	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:08	
SM 2320 B	**Bicarbonate**	55.9	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:08	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:08	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:08	
SM 2540 C	**Total Diss. Solids**	161	mg/L	10			X429039	TJL	07/17/24 12:40	
SM 2540 D	**Total Susp. Solids**	19.0	mg/L	5.0			X429041	TJL	07/17/24 14:50	
SM 4500 H B	**pH @22.6°C**	6.6	pH Units				X429017	MWD	07/15/24 14:08	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: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4G0192-04 (Ground Water)**

Sampled: 11-Jul-24 12:03
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.38	mg/L	0.20	0.02		X428229	RS	07/12/24 15:00	
EPA 300.0	**Fluoride**	0.135	mg/L	0.100	0.017		X428229	RS	07/12/24 15:00	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X428229	RS	07/12/24 15:00	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X428229	RS	07/12/24 15:00	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428229	RS	07/12/24 15:00	
EPA 300.0	**Sulfate as SO4**	55.1	mg/L	3.00	1.80	10	X428229	RS	07/12/24 15:16	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.37 meq/L Anion Sum: 2.40 meq/L C/A Balance: -0.57 % Calculated TDS: 129 TDS/cTDS: 1.25

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X4G0192-05 (Ground Water)**

Sampled: 11-Jul-24 13:08
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	35.4	mg/L	0.100	0.069		X429014	SJN	07/17/24 12:00	
EPA 200.7	**Magnesium**	20.7	mg/L	0.500	0.090		X429014	SJN	07/17/24 12:00	
EPA 200.7	**Potassium**	1.97	mg/L	0.50	0.18		X429014	SJN	07/17/24 12:00	
SM 2340 B	**Hardness (as CaCO3)**	174	mg/L	2.31	0.543		N/A		07/15/24 17:48	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.344	mg/L	0.080	0.054		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Barium**	0.0159	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Beryllium**	0.0319	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 17:48	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 17:48	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Calcium**	35.5	mg/L	0.100	0.069		X429040	NMS	07/15/24 17:48	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Cobalt**	0.0572	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 17:48	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Iron**	19.0	mg/L	0.100	0.056		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Lead**	0.0349	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 17:48	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Magnesium**	21.1	mg/L	0.500	0.090		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Manganese**	1.28	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:48	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Nickel**	0.108	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Potassium**	2.15	mg/L	0.50	0.18		X429040	NMS	07/15/24 17:48	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Sodium**	12.1	mg/L	0.50	0.12		X429040	NMS	07/15/24 17:48	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:48	
EPA 200.7	**Zinc**	1.19	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 17:48	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429205	SMU	07/23/24 15:56	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X429205	SMU	07/23/24 15:56	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X429205	SMU	07/23/24 15:56	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X429205	SMU	07/23/24 15:56	
EPA 200.8	**Uranium**	0.000196	mg/L	0.000100	0.000052		X429205	SMU	07/23/24 15:56	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428241	MAC	07/17/24 15:09	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X429107	DD	07/19/24 14:07	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 16:01	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X429075	DD	07/17/24 13:02	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 16:15	
SM 2310 B	**Acidity to pH 8.3**	28.8	mg/L as CaCO3	10.0			X429182	MWD	07/19/24 11:47	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:12	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:12	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:12	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:12	
SM 2540 C	**Total Diss. Solids**	369	mg/L	10			X429039	TJL	07/17/24 12:40	
SM 2540 D	**Total Susp. Solids**	10.0	mg/L	5.0			X429041	TJL	07/17/24 14:50	
SM 4500 H B	**pH @22.7°C**	3.9	pH Units				X429017	MWD	07/15/24 14:12	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X4G0192-05 (Ground Water)**

Sampled: 11-Jul-24 13:08
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.99	mg/L	0.20	0.02		X428229	RS	07/12/24 16:06	
EPA 300.0	**Fluoride**	0.351	mg/L	0.100	0.017		X428229	RS	07/12/24 16:06	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X428229	RS	07/12/24 16:06	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X428229	RS	07/12/24 16:06	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428229	RS	07/12/24 16:06	
EPA 300.0	**Sulfate as SO4**	250	mg/L	3.00	1.80	10	X428229	RS	07/12/24 16:22	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.85 meq/L Anion Sum: 5.27 meq/L C/A Balance: -4.15 % Calculated TDS: 322 TDS/cTDS: 1.15

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X4G0192-06 (Ground Water)**

Sampled: 11-Jul-24 14:08
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	18.9	mg/L	0.100	0.069		X429014	SJN	07/17/24 12:03	
EPA 200.7	**Magnesium**	17.7	mg/L	0.500	0.090		X429014	SJN	07/17/24 12:03	
EPA 200.7	**Potassium**	1.68	mg/L	0.50	0.18		X429014	SJN	07/17/24 12:03	
SM 2340 B	**Hardness (as CaCO3)**	120	mg/L	2.31	0.543		N/A		07/15/24 17:52	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Barium**	0.0552	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 17:52	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 17:52	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 17:52	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Calcium**	18.3	mg/L	0.100	0.069		X429040	NMS	07/15/24 17:52	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Cobalt**	0.0224	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 17:52	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Iron**	31.0	mg/L	0.100	0.056		X429040	NMS	07/15/24 17:52	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 17:52	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Magnesium**	17.4	mg/L	0.500	0.090		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Manganese**	1.90	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:52	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Nickel**	0.0587	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Potassium**	1.78	mg/L	0.50	0.18		X429040	NMS	07/15/24 17:52	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Sodium**	13.1	mg/L	0.50	0.12		X429040	NMS	07/15/24 17:52	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:52	
EPA 200.7	**Zinc**	0.283	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 17:52	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429205	SMU	07/23/24 16:14	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X429205	SMU	07/23/24 16:14	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X429205	SMU	07/23/24 16:14	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X429205	SMU	07/23/24 16:14	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X429205	SMU	07/23/24 16:14	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428241	MAC	07/17/24 15:11	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X429107	DD	07/19/24 14:09	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 16:04	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X429075	DD	07/17/24 13:03	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 16:17	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X429182	MWD	07/19/24 11:47	
SM 2320 B	**Total Alkalinity**	3.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:18	
SM 2320 B	**Bicarbonate**	3.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:18	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:18	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:18	
SM 2540 C	**Total Diss. Solids**	274	mg/L	10			X429039	TJL	07/17/24 12:40	
SM 2540 D	**Total Susp. Solids**	49.0	mg/L	5.0			X429041	TJL	07/17/24 14:50	
SM 4500 H B	**pH @22.7°C**	5.4	pH Units				X429017	MWD	07/15/24 14:18	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X4G0192-06 (Ground Water)**

Sampled: 11-Jul-24 14:08
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.47	mg/L	0.20	0.02		X428229	RS	07/12/24 16:39	
EPA 300.0	**Fluoride**	0.308	mg/L	0.100	0.017		X428229	RS	07/12/24 16:39	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X428229	RS	07/12/24 16:39	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X428229	RS	07/12/24 16:39	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428229	RS	07/12/24 16:39	
EPA 300.0	**Sulfate as SO4**	185	mg/L	3.00	1.80	10	X428229	RS	07/12/24 16:56	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.16 meq/L Anion Sum: 3.97 meq/L C/A Balance: 2.27 % Calculated TDS: 240 TDS/cTDS: 1.14

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-104F**
SVL Sample ID: **X4G0192-07 (Ground Water)**

Sampled: 11-Jul-24 12:03
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	16.3	mg/L	0.100	0.069		X429014	SJN	07/17/24 12:07	
EPA 200.7	**Magnesium**	10.4	mg/L	0.500	0.090		X429014	SJN	07/17/24 12:07	
EPA 200.7	**Potassium**	1.05	mg/L	0.50	0.18		X429014	SJN	07/17/24 12:07	
SM 2340 B	**Hardness (as CaCO3)**	81.7	mg/L	2.31	0.543		N/A		07/15/24 17:56	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X429040	NMS	07/15/24 17:56	
EPA 200.7	**Barium**	0.194	mg/L	0.0020	0.0019		X429040	NMS	07/15/24 17:56	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X429040	NMS	07/15/24 17:56	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X429040	NMS	07/15/24 17:56	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X429040	NMS	07/15/24 17:56	
EPA 200.7	**Calcium**	15.6	mg/L	0.100	0.069		X429040	NMS	07/15/24 17:56	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X429040	NMS	07/15/24 17:56	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X429040	NMS	07/15/24 17:56	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X429040	NMS	07/15/24 17:56	
EPA 200.7	**Iron**	7.16	mg/L	0.100	0.056		X429040	NMS	07/15/24 17:56	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X429040	NMS	07/15/24 17:56	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X429040	NMS	07/15/24 17:56	
EPA 200.7	**Magnesium**	9.74	mg/L	0.500	0.090		X429040	NMS	07/15/24 17:56	
EPA 200.7	**Manganese**	1.85	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:56	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X429040	NMS	07/15/24 17:56	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X429040	NMS	07/15/24 17:56	
EPA 200.7	**Potassium**	1.19	mg/L	0.50	0.18		X429040	NMS	07/15/24 17:56	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:56	
EPA 200.7	**Sodium**	8.25	mg/L	0.50	0.12		X429040	NMS	07/15/24 17:56	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X429040	NMS	07/15/24 17:56	
EPA 200.7	**Zinc**	0.0124	mg/L	0.0100	0.0054		X429040	NMS	07/15/24 17:56	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X429205	SMU	07/23/24 16:16	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X429205	SMU	07/23/24 16:16	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X429205	SMU	07/23/24 16:16	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X429205	SMU	07/23/24 16:16	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X429205	SMU	07/23/24 16:16	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X428241	MAC	07/17/24 15:13	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X429107	DD	07/19/24 14:11	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X429025	DD	07/16/24 16:07	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X429075	DD	07/17/24 13:06	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X430076	DD	07/23/24 16:19	
SM 2310 B	**Acidity to pH 8.3**	-61.4	mg/L as CaCO3	10.0			X429182	MWD	07/19/24 11:47	
SM 2320 B	**Total Alkalinity**	54.6	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:23	
SM 2320 B	**Bicarbonate**	54.6	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:23	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:23	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X429017	MWD	07/15/24 14:23	
SM 2540 C	**Total Diss. Solids**	134	mg/L	10			X429039	TJL	07/17/24 12:40	
SM 2540 D	**Total Susp. Solids**	21.0	mg/L	5.0			X429041	TJL	07/17/24 14:50	
SM 4500 H B	**pH @22.8°C**	6.6	pH Units				X429017	MWD	07/15/24 14:23	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Client Sample ID: **GVMW-104F**
SVL Sample ID: **X4G0192-07 (Ground Water)**

Sampled: 11-Jul-24 12:03
Received: 12-Jul-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.41	mg/L	0.20	0.02		X428229	RS	07/12/24 17:12	
EPA 300.0	**Fluoride**	0.137	mg/L	0.100	0.017		X428229	RS	07/12/24 17:12	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X428229	RS	07/12/24 17:12	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X428229	RS	07/12/24 17:29	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X428229	RS	07/12/24 17:12	
EPA 300.0	**Sulfate as SO4**	54.2	mg/L	3.00	1.80	10	X428229	RS	07/12/24 17:29	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.30 meq/L Anion Sum: 2.35 meq/L C/A Balance: -1.09 % Calculated TDS: 127 TDS/cTDS: 1.06

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X429014	17-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X429014	17-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X429014	17-Jul-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X429040	15-Jul-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X429040	15-Jul-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X429040	15-Jul-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X429040	15-Jul-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X429040	15-Jul-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X429040	15-Jul-24	B7
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X429040	15-Jul-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X429040	15-Jul-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X429040	15-Jul-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X429040	15-Jul-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X429040	15-Jul-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X429040	15-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X429040	15-Jul-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X429040	15-Jul-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X429040	15-Jul-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X429040	15-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X429040	15-Jul-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X429040	15-Jul-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X429040	15-Jul-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X429040	15-Jul-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X429040	15-Jul-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X429205	23-Jul-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X429205	23-Jul-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X429205	23-Jul-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X429205	23-Jul-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X429205	23-Jul-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X429107	19-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X429025	16-Jul-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X429075	17-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X430076	23-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X430078	23-Jul-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X429182	19-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X429017	15-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X429017	15-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X429017	15-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X429017	15-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X429039	17-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X429041	17-Jul-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X428229	12-Jul-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X428229	12-Jul-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X428229	12-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X428229	12-Jul-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X428229	12-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X428229	12-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.7	20.0	98	85 - 115	X429014	17-Jul-24	
EPA 200.7	Magnesium	mg/L	20.5	20.0	103	85 - 115	X429014	17-Jul-24	
EPA 200.7	Potassium	mg/L	19.9	20.0	99.5	85 - 115	X429014	17-Jul-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.927	1.00	92.7	85 - 115	X429040	15-Jul-24	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Beryllium	mg/L	1.05	1.00	105	85 - 115	X429040	15-Jul-24	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Cadmium	mg/L	1.00	1.00	100	85 - 115	X429040	15-Jul-24	
EPA 200.7	Calcium	mg/L	19.0	20.0	95.0	85 - 115	X429040	15-Jul-24	B7
EPA 200.7	Chromium	mg/L	1.02	1.00	102	85 - 115	X429040	15-Jul-24	
EPA 200.7	Cobalt	mg/L	0.986	1.00	98.6	85 - 115	X429040	15-Jul-24	
EPA 200.7	Copper	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Iron	mg/L	9.72	10.0	97.2	85 - 115	X429040	15-Jul-24	
EPA 200.7	Lead	mg/L	0.992	1.00	99.2	85 - 115	X429040	15-Jul-24	
EPA 200.7	Lithium	mg/L	0.991	1.00	99.1	85 - 115	X429040	15-Jul-24	
EPA 200.7	Magnesium	mg/L	19.1	20.0	95.3	85 - 115	X429040	15-Jul-24	
EPA 200.7	Manganese	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.03	1.00	103	85 - 115	X429040	15-Jul-24	
EPA 200.7	Nickel	mg/L	0.996	1.00	99.6	85 - 115	X429040	15-Jul-24	
EPA 200.7	Potassium	mg/L	20.1	20.0	101	85 - 115	X429040	15-Jul-24	
EPA 200.7	Silver	mg/L	0.0480	0.0500	95.9	85 - 115	X429040	15-Jul-24	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.1	85 - 115	X429040	15-Jul-24	
EPA 200.7	Vanadium	mg/L	1.02	1.00	102	85 - 115	X429040	15-Jul-24	
EPA 200.7	Zinc	mg/L	1.01	1.00	101	85 - 115	X429040	15-Jul-24	
EPA 200.8	Antimony	mg/L	0.0236	0.0250	94.6	85 - 115	X429205	23-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0242	0.0250	96.7	85 - 115	X429205	23-Jul-24	
EPA 200.8	Selenium	mg/L	0.0240	0.0250	96.2	85 - 115	X429205	23-Jul-24	
EPA 200.8	Thallium	mg/L	0.0235	0.0250	94.2	85 - 115	X429205	23-Jul-24	
EPA 200.8	Uranium	mg/L	0.0236	0.0250	94.4	85 - 115	X429205	23-Jul-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00218	0.00200	109	85 - 115	X428241	17-Jul-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0910	0.100	91.0	90 - 110	X429107	19-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.100	100	90 - 110	X429025	16-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.02	1.00	102	90 - 110	X429075	17-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0940	0.100	94.0	90 - 110	X430076	23-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.106	0.100	106	90 - 110	X430078	23-Jul-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	889	884	101	95.4 - 104	X429182	19-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.3	9.93	104	96.4 - 105	X429017	15-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X429017	15-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	396	397	99.8	96.4 - 105	X429017	15-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X429041	17-Jul-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.13	3.00	104	90 - 110	X428229	12-Jul-24	
EPA 300.0	Fluoride	mg/L	2.06	2.00	103	90 - 110	X428229	12-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.08	2.00	104	90 - 110	X428229	12-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.67	4.50	104	90 - 110	X428229	12-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.59	2.50	103	90 - 110	X428229	12-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	10.7	10.0	107	90 - 110	X428229	12-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	19900	19900	0.1	20	X429182 - X4G0192-01	19-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	114	139	20.0	20	X429017 - X4G0181-02	15-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	114	139	20.0	20	X429017 - X4G0181-02	15-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X429017 - X4G0181-02	15-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X429017 - X4G0181-02	15-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	1290	1280	0.8	10	X429039 - X4G0192-02	17-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	7.0	7.0	0.0	10	X429041 - X4G0192-03	17-Jul-24	
SM 4500 H B	pH @22.0°C	pH Units	8.3	8.2	1.2	20	X429017 - X4G0181-02	15-Jul-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	68.8	48.3	20.0	102	70 - 130	X429014 - X4G0178-01	17-Jul-24	
EPA 200.7	Calcium	mg/L	23.7	4.15	20.0	98	70 - 130	X429014 - X4G0195-01	17-Jul-24	
EPA 200.7	Magnesium	mg/L	30.3	7.30	20.0	115	70 - 130	X429014 - X4G0178-01	17-Jul-24	
EPA 200.7	Magnesium	mg/L	20.6	<0.500	20.0	101	70 - 130	X429014 - X4G0195-01	17-Jul-24	
EPA 200.7	Potassium	mg/L	50.6	30.2	20.0	102	70 - 130	X429014 - X4G0178-01	17-Jul-24	
EPA 200.7	Potassium	mg/L	20.0	<0.50	20.0	99.0	70 - 130	X429014 - X4G0195-01	17-Jul-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	194	196	1.00	0.30R>S	70 - 130	X429040 - X4G0141-01	15-Jul-24	M3
EPA 200.7	Aluminum	mg/L	0.952	<0.080	1.00	95.2	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Barium	mg/L	1.05	0.0120	1.00	104	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Barium	mg/L	1.24	0.194	1.00	104	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Beryllium	mg/L	1.25	0.213	1.00	104	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Beryllium	mg/L	1.05	<0.00200	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Boron	mg/L	1.08	<0.0400	1.00	107	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Boron	mg/L	1.06	<0.0400	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Cadmium	mg/L	1.56	0.515	1.00	105	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Cadmium	mg/L	1.03	<0.0020	1.00	103	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Calcium	mg/L	472	455	20.0	84.2	70 - 130	X429040 - X4G0141-01	15-Jul-24	B7
EPA 200.7	Calcium	mg/L	35.2	15.6	20.0	98.2	70 - 130	X429040 - X4G0192-07	15-Jul-24	B7
EPA 200.7	Chromium	mg/L	1.04	0.0138	1.00	103	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Cobalt	mg/L	1.50	0.477	1.00	103	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Cobalt	mg/L	1.02	<0.0060	1.00	102	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Copper	mg/L	1.82	0.684	1.00	113	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Iron	mg/L	10.1	0.274	10.0	98.1	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Iron	mg/L	17.0	7.16	10.0	98.5	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	102	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Lead	mg/L	1.02	<0.0075	1.00	102	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Lithium	mg/L	1.15	0.098	1.00	105	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Lithium	mg/L	1.01	<0.040	1.00	101	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Magnesium	mg/L	202	184	20.0	89.2	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Magnesium	mg/L	29.7	9.74	20.0	100	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Manganese	mg/L	73.6	73.9	1.00	0.30R>S	70 - 130	X429040 - X4G0141-01	15-Jul-24	M3
EPA 200.7	Manganese	mg/L	2.86	1.85	1.00	101	70 - 130	X429040 - X4G0192-07	15-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Molybdenum	mg/L	1.06	<0.0080	1.00	105	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.05	<0.0080	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Nickel	mg/L	1.95	0.909	1.00	104	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Nickel	mg/L	1.03	<0.0100	1.00	103	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Potassium	mg/L	26.9	5.72	20.0	106	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Potassium	mg/L	21.7	1.19	20.0	102	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Silver	mg/L	0.0486	<0.0050	0.0500	97.2	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Silver	mg/L	0.0482	<0.0050	0.0500	96.4	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Sodium	mg/L	54.2	35.6	19.0	97.8	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Sodium	mg/L	26.9	8.25	19.0	98.1	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Vanadium	mg/L	1.06	<0.0050	1.00	106	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Vanadium	mg/L	1.05	<0.0050	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.7	Zinc	mg/L	19.7	19.0	1.00	73.3	70 - 130	X429040 - X4G0141-01	15-Jul-24	
EPA 200.7	Zinc	mg/L	1.06	0.0124	1.00	105	70 - 130	X429040 - X4G0192-07	15-Jul-24	
EPA 200.8	Antimony	mg/L	0.0256	<0.00100	0.0250	103	70 - 130	X429205 - X4G0192-02	23-Jul-24	
EPA 200.8	Antimony	mg/L	0.0249	<0.00100	0.0250	99.7	70 - 130	X429205 - X4G0290-04	23-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0245	<0.00100	0.0250	98.1	70 - 130	X429205 - X4G0192-02	23-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X429205 - X4G0290-04	23-Jul-24	
EPA 200.8	Selenium	mg/L	0.0224	<0.00100	0.0250	89.8	70 - 130	X429205 - X4G0192-02	23-Jul-24	
EPA 200.8	Selenium	mg/L	0.0242	<0.00100	0.0250	95.7	70 - 130	X429205 - X4G0290-04	23-Jul-24	
EPA 200.8	Thallium	mg/L	0.0226	<0.000200	0.0250	90.3	70 - 130	X429205 - X4G0192-02	23-Jul-24	
EPA 200.8	Thallium	mg/L	0.0217	<0.000200	0.0250	86.9	70 - 130	X429205 - X4G0290-04	23-Jul-24	
EPA 200.8	Uranium	mg/L	0.0308	0.00596	0.0250	99.3	70 - 130	X429205 - X4G0192-02	23-Jul-24	
EPA 200.8	Uranium	mg/L	0.0298	0.00494	0.0250	99.5	70 - 130	X429205 - X4G0290-04	23-Jul-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00217	<0.000200	0.00200	108	70 - 130	X428241 - X4G0145-02	17-Jul-24	
EPA 245.1	Mercury	mg/L	0.00217	<0.000200	0.00200	108	70 - 130	X428241 - X4G0192-07	17-Jul-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0880	<0.0050	0.100	88.0	79 - 121	X429107 - X4G0181-01	19-Jul-24	R4
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X429025 - X4G0107-01	16-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X429025 - X4G0107-02	16-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.19	0.187	1.00	99.9	90 - 110	X429075 - X4G0174-01	17-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.106	<0.0050	0.100	105	82 - 118	X430076 - X4G0107-01	23-Jul-24	R4
OIA 1677	Cyanide (WAD)	mg/L	0.0890	<0.0050	0.100	89.0	82 - 118	X430078 - X4G0192-02	23-Jul-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.62	4.41	3.00	107	90 - 110	X428229 - X4G0192-07	12-Jul-24	
EPA 300.0	Chloride	mg/L	3.68	0.56	3.00	104	90 - 110	X428229 - X4G0194-01	12-Jul-24	
EPA 300.0	Fluoride	mg/L	2.18	0.137	2.00	102	90 - 110	X428229 - X4G0192-07	12-Jul-24	
EPA 300.0	Fluoride	mg/L	2.05	<0.100	2.00	100	90 - 110	X428229 - X4G0194-01	12-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X428229 - X4G0192-07	12-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.59	0.539	2.00	103	90 - 110	X428229 - X4G0194-01	12-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.13	<0.100	4.00	103	90 - 110	X428229 - X4G0192-07	12-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.66	0.539	4.00	103	90 - 110	X428229 - X4G0194-01	12-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.10	<0.050	2.00	105	90 - 110	X428229 - X4G0192-07	12-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.07	<0.050	2.00	103	90 - 110	X428229 - X4G0194-01	12-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	64.0	54.2	10.0	98.3	90 - 110	X428229 - X4G0192-07	12-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	23.2	12.8	10.0	105	90 - 110	X428229 - X4G0194-01	12-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4G0192**
Reported: 25-Jul-24 12:35

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	68.4	68.8	20.0	0.5	20	100	X429014 - X4G0178-01	
EPA 200.7	Magnesium	mg/L	29.1	30.3	20.0	4.2	20	109	X429014 - X4G0178-01	
EPA 200.7	Potassium	mg/L	50.3	50.6	20.0	0.6	20	101	X429014 - X4G0178-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	196	194	1.00	0.9	20	0.30R>S	X429040 - X4G0141-01	M3
EPA 200.7	Barium	mg/L	1.08	1.05	1.00	3.3	20	107	X429040 - X4G0141-01	
EPA 200.7	Beryllium	mg/L	1.26	1.25	1.00	0.6	20	105	X429040 - X4G0141-01	
EPA 200.7	Boron	mg/L	1.11	1.08	1.00	3.0	20	110	X429040 - X4G0141-01	
EPA 200.7	Cadmium	mg/L	1.57	1.56	1.00	0.7	20	106	X429040 - X4G0141-01	
EPA 200.7	Calcium	mg/L	476	472	20.0	0.8	20	103	X429040 - X4G0141-01	B7
EPA 200.7	Chromium	mg/L	1.06	1.04	1.00	1.8	20	104	X429040 - X4G0141-01	
EPA 200.7	Cobalt	mg/L	1.52	1.50	1.00	1.0	20	104	X429040 - X4G0141-01	
EPA 200.7	Copper	mg/L	1.86	1.82	1.00	2.2	20	117	X429040 - X4G0141-01	
EPA 200.7	Iron	mg/L	10.2	10.1	10.0	1.4	20	99.5	X429040 - X4G0141-01	
EPA 200.7	Lead	mg/L	1.04	1.03	1.00	1.2	20	103	X429040 - X4G0141-01	
EPA 200.7	Lithium	mg/L	1.19	1.15	1.00	3.2	20	109	X429040 - X4G0141-01	
EPA 200.7	Magnesium	mg/L	204	202	20.0	1.0	20	99.6	X429040 - X4G0141-01	
EPA 200.7	Manganese	mg/L	75.1	73.6	1.00	2.1	20	123	X429040 - X4G0141-01	
EPA 200.7	Molybdenum	mg/L	1.07	1.06	1.00	1.3	20	107	X429040 - X4G0141-01	
EPA 200.7	Nickel	mg/L	1.96	1.95	1.00	0.8	20	105	X429040 - X4G0141-01	
EPA 200.7	Potassium	mg/L	27.5	26.9	20.0	1.9	20	109	X429040 - X4G0141-01	
EPA 200.7	Silver	mg/L	0.0498	0.0486	0.0500	2.4	20	99.6	X429040 - X4G0141-01	
EPA 200.7	Sodium	mg/L	54.8	54.2	19.0	1.2	20	101	X429040 - X4G0141-01	
EPA 200.7	Vanadium	mg/L	1.08	1.06	1.00	1.8	20	108	X429040 - X4G0141-01	
EPA 200.7	Zinc	mg/L	19.9	19.7	1.00	1.1	20	95.4	X429040 - X4G0141-01	
EPA 200.8	Antimony	mg/L	0.0256	0.0256	0.0250	0.1	20	102	X429205 - X4G0192-02	
EPA 200.8	Arsenic	mg/L	0.0257	0.0245	0.0250	4.7	20	103	X429205 - X4G0192-02	
EPA 200.8	Selenium	mg/L	0.0241	0.0224	0.0250	7.1	20	96.4	X429205 - X4G0192-02	
EPA 200.8	Thallium	mg/L	0.0230	0.0226	0.0250	2.1	20	92.1	X429205 - X4G0192-02	
EPA 200.8	Uranium	mg/L	0.0311	0.0308	0.0250	1.0	20	100	X429205 - X4G0192-02	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00225	0.00217	0.00200	3.8	20	113	X428241 - X4G0145-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.101	0.0880	0.100	13.8	11	101	X429107 - X4G0181-01	R4
EPA 335.4	Cyanide (total)	mg/L	0.100	0.102	0.100	1.4	20	100	X429025 - X4G0107-01	
EPA 350.1	Ammonia as N	mg/L	1.22	1.19	1.00	2.9	20	103	X429075 - X4G0174-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0930	0.106	0.100	13.1	11	92.0	X430076 - X4G0107-01	R4
OIA 1677	Cyanide (WAD)	mg/L	0.0950	0.0890	0.100	6.5	11	95.0	X430078 - X4G0192-02	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.66	7.62	3.00	0.6	20	109	X428229 - X4G0192-07	
EPA 300.0	Fluoride	mg/L	2.21	2.18	2.00	1.5	20	104	X428229 - X4G0192-07	
EPA 300.0	Nitrate as N	mg/L	2.06	2.04	2.00	1.4	20	103	X428229 - X4G0192-07	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.19	4.13	4.00	1.3	20	105	X428229 - X4G0192-07	
EPA 300.0	Nitrite as N	mg/L	2.12	2.10	2.00	1.2	20	106	X428229 - X4G0192-07	
EPA 300.0	Sulfate as SO4	mg/L	64.3	64.0	10.0	0.5	20	102	X428229 - X4G0192-07	

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www.svl.net

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4G0192**
Victor, CO 80860	Reported: 25-Jul-24 12:35

Notes and Definitions

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.
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.
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.
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.
R4	MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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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Attachment 2

Surface Water Calculations

GV-06

Sample Date: 7/16/2024

Data for Calculations:		
pH	6.73	std units
Hardness	171	mg/L
Temperature	14.3	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-06 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	6.73
Temperature (^{o}C)	< 21.7	< 17	14.3
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	6.401	29.266	<0.030
Boron	0.750	---	<0.0400
Chloride	250.000	---	7.75
Chlorine	0.011	0.019	0.936
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	0.134
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.050
Sulfate	250.000	---	64.7
Phosporus	0.110	---	**0.166**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	0.00123
Cadmium	0.00296	0.00107	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.11501	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.02228	0.01416	<0.00040
Iron	---	0.30000	<0.100
Iron (T)	---	1.00000	**5.82**
Lead	0.11522	0.00449	<0.00020
Lead (T)	0.05000	---	0.00176
Manganese	3.56988	1.97236	0.381
Mercury (T)	---	0.00001	<0.000093
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.73719	0.08188	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.0010
Silver	0.00511	0.00019	<0.00008
Uranium	0.01680	0.01680	0.00214
Zinc	0.26063	0.19740	0.0108

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

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

- Invalid results, past regulatory hold time

GV-05

Sample Date: 7/16/2024

Data for Calculations:		
pH	7.89	std units
Hardness	162	mg/L
Temperature	13.8	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-06 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	7.89
Temperature (^{o}C)	< 21.7	< 17	13.8
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	6.891	2.835	<0.030
Boron	---	0.750	<0.0400
Chloride	---	250.000	11
Chlorine	0.019	0.011	--
Cyanide (Free)	0.005	---	<0.0050
Nitrate	10.000	---	<0.050
Nitrite	---	0.050	<0.050
Sulfide	---	0.002	<0.050
Sulfate	---	250.000	53.3
Phosporus	---	0.110	<0.050
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	<0.00100
Cadmium	0.00282	0.00103	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.11003	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.02117	0.01353	<0.00040
Iron	---	0.30000	<0.100
Iron (T)	---	1.00000	**1.04**
Lead	0.10874	0.00424	<0.00020
Lead (T)	0.05000	---	<0.00020
Manganese	3.50617	1.93716	0.447
Mercury (T)	---	0.00001	<0.000093
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.70423	0.07822	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00465	0.00017	<0.00008
Uranium	0.01680	0.01680	0.00119
Zinc	0.24812	0.18793	<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

GV-4.5

Sample Date: 7/16/2024

Data for Calculations:		
pH	6.96	std units
Hardness	156	mg/L
Temperature	12.4	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-06 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	6.96
Temperature (^{o}C)	< 21.7	< 17	12.4
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	24.938	5.997	<0.030
Boron	---	0.750	<0.0400
Chloride	---	250.000	<2.00
Chlorine	0.019	0.011	--
Cyanide (Free)	0.005	---	<0.0050
Nitrate	10.000	---	0.133
Nitrite	---	0.050	<0.050
Sulfide	---	0.002	<0.050
Sulfate	---	250.000	44.2
Phosporus	---	0.110	**0.236**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	0.00151
Cadmium	0.00272	0.00100	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.10668	<0.0110
Chromium (III) (T)	0.05000	---	<0.00600
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.02043	0.01310	<0.00040
Iron	---	0.30000	**19.5**
Iron (T)	---	1.00000	**2.01**
Lead	0.10443	0.00407	<0.00020
Lead (T)	0.05000	---	<0.00020
Manganese	3.46236	1.91296	0.532
Mercury (T)	---	0.00001	<0.000093
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.68210	0.07576	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00436	0.00016	<0.00008
Uranium	0.01680	0.01680	0.000538
Zinc	0.23975	0.18159	<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

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Attachment 3

Sampling Logs

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

Location: EMP 16 **Date:** 7/16/2024

Technician: AK KR **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:49 AM	Dry	→	→	→

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: Sunny 60s

Signature: Anna Kras

Comments / Notes:

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

Location: EM17 **Date:** 7/16/2024

Technician: AK KR **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
12:05	Dry	→		

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 60s cloudy

Signature: Amber Kral

Comments / Notes:

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

Location: EMP17-A **Date:** 7/16/2024

Technician: AK KR **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:58	Dry	→		

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 60s cloudy

Signature: Anne Lura

Comments / Notes:

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

Location: EMP17-B **Date:** 7/14/2021

Technician: AK KR **Quarter:** AK Q3 July

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
12:07	Dry	→		

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 60s cloudy

Signature: Ana Kuras

Comments / Notes:

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

Location: EMP-17C **Date:** 7/16/2024

Technician: AK KR **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
11:50	DRY				

Sample Method: —

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 60s Cloudy

Signature: [signature]

Comments / Notes:

DRY

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

Location: EMP 20 **Date:** 7/16/2024

Technician: AK, KR **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
12:11	Dry	→	→	→

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 60s cloudy

Signature: Anna Gray

Comments / Notes:

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

Location: GV-02 **Date:** 7/16/2024

Technician: AK KB **Quarter:** Q3 July

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

Sample Method: —

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 60s cloudy

Signature: [signature]

Comments / Notes:

Dry

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

Location: GV-03 **Date:** 7/16/2024

Technician: AK, KR **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
11:13 AK	Dry				

Sample Method: _____

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 60 s Sunny

Signature: Anna Kras

Comments / Notes:

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

Location: GV-4.5 **Date:** 7/16/2024

Technician: AK, KR, TR, **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
10:08	6.96	382.6	12.4	37 mV	0.030 mg/L

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 60s Sunny.

Signature: Anna Ikras

Comments / Notes:

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

Location: GV-05 **Date:** 7/16/2024

Technician: AE, KE, TR **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (µS/cm)	Temp. (°C)	ORP	Chlorine
10:37	7.89	376.5	13.8	225	0.083

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 60s Sunny

Signature: Ann Kmr

Comments / Notes:

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

Location: GV-06 **Date:** 7/16/2024

Technician: AK, KR, TR, **Quarter:** July Q3

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
9:39	6.73	543.7	14.3	201 mV	~~0.500 mg/L~~ AK

Diluted 2:1 → 0.468 mg/L
Final result: 0.936 mg/L

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: Cloudy, 60s

Signature: Kira Kerr

Comments / Notes:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley **Date:** 7/11/24
Technician: Trenton Reed **Quarter:** 3
Static Water Level (DTW): 39.3 **Well ID:** GUMW-104F
Well Depth (TD): 480
Is well Dry? NO **If so Dry at:** — feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:03	39.3	0.0	6.42	290.9	8.7	2.37	-13.2	

Sample Method: Low Flow **Rate (gpm):** 0.03 **Time Start:** 11:38 **Time End:** 12:03
** Flow rate at stabilization (during sample collection)*

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.42	±0.1	(Y) / N	
Conductivity	290.9	3%	(Y) / N	
Temp (deg C)	8.7	3%	(Y) / N	
Dissolved Oxygen	2.37	10%	(Y) / N	
Turbidity	—	10%	~~Y~~ / ~~N~~	
Oxidation/Reduction	-13.2	±10	(Y) / N	
DTW Stabilized	39.3	feet	(Y) / N	
Final H2O level	39.3	feet		

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

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

Weather: Clear Sunny 69°
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: Trenton Reed
Static Water Level (DTW): 39.3
Is well Dry? NO
If so Dry at: —

Date: 7/11/24
Quarter: 3
Well ID: GVMW-4A
Well Depth (TD): 480 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:38			6.87	252	8.7	4.02	43.6	
11:43	39.25	+.05	6.49	277	9.1	2.88	10.3	
11:48	39.28	0.03	6.41	285	8.7	2.6	-0.6	~.1 L/m
11:53	39.30	0.02	6.45	286.8	8.6	2.47	-5.2	
11:58	39.30	0.00	6.43	286.2	8.7	2.5	-10.4	
12:03	39.30	0.00	6.42	290.9	8.7	2.37	-13.2	
12:08								
	total							
	Drawdown							
	0.05							

Sample Method: Low Flow
Rate (gpm): 0.03 * Flow rate at stabilization (during sample collection)
Time Start: 11:38 Time End: 12:03

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.42	±0.1	(Y) / N	
Conductivity	290.9	3%	(Y) / N	
Temp (deg C)	8.7	3%	(Y) / N	
Dissolved Oxyger	2.37	10%	(Y) / N	
Turbidity	—	10%	~~Y~~ / N	
Oxidation/Reduction	-13.2	±10	(Y) / N	
DTW Stabilized	39.30	feet	(Y) / N	
Final H2O level	39.30	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 gal

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

Weather: clear Sunny 69°
Signature:

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

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 7/11/24
Technician: Trenton Reed.
Quarter: 3
Static Water Level (DTW): 31.3
Well ID: GVMW-7A
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 200 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:57			7.38	3820	7.6	5.89	89.6	
10:02	31.35	.05	~~7.45~~ 7.45	419.8	7.1	4.20	34.7	
10:07	31.45	.1	7.52	422.5	7.2	3.29	-10.7	
10:12	31.50	.05	7.55	422.1	7.3	2.79	-29.9	
10:17	31.55	.05	7.53	422.2	7.2	2.52	-39.5	0.3 C/m
10:22	31.57	.02	7.51	421.2	7.3	2.42	-43.3	
10:27	31.60	.03	7.50	421.0	7.3	2.32	-47.6	
	total							
	Drawdown							
	0.30							

Sample Method: Low Flow
Rate (gpm): 0.08 * Flow rate at stabilization (during sample collection)
Time Start: 9:57 Time End: 10:27

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.50	±0.1	(Y) / N	
Conductivity	421.0	3%	(Y) / N	
Temp (deg C)	7.3	3%	(Y) / N	
Dissolved Oxyge	2.32	10%	(Y) / N	
Turbidity	—	10%	~~Y~~ / ~~N~~	
Oxidation/Reduction	-47.6	±10	(Y) / N	
DTW Stabilized	31.60	feet	(Y) / N	
Final H2O level	31.60	feet		

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

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple Rinse Liquid Knox
Weather: Clear Sunny 68°
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 7/11/24
Technician: Trenton Reed.
Quarter: 3
Static Water Level (DTW): 25'
Well ID: GVMW-7B
Well Depth (TD): 49
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
8:57			6.82	1189	6.5	14.44	75.2	
9:02	25.0	0.0	6.89	1182	6.0	13.5	82.2	
9:07	25.05	0.05	6.91	1180	6.2	13.31	88.0	.2 L/m
9:12	25.05	0.00	6.90	1172	6.3	12.80	96.0	
9:17	25.05	0.00	6.90	1158	6.3	12.40	105.8	
9:22	25.05	0.00	6.91	1154	6.3	12.40	105.9	
	Total							
	Drawdown							
	.05							

Sample Method: Low Flow
Rate (gpm): 0.05 * Flow rate at stabilization (during sample collection)
Time Start: 8:57 Time End: 9:22

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.91	±0.1	(Y) / N	
Conductivity	1154	3%	(Y) / N	
Temp (deg C)	6.3	3%	(Y) / N	
Dissolved Oxyger	12.40	10%	(Y) / N	
Turbidity	—	10%	~~Y~~ / ~~N~~	
Oxidation/Reduction	105.9	±10	(Y) / N	
DTW Stabilized	25.05	feet	(Y) / N	
Final H2O level	25.05	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

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Liquid Knox triple Rinse.

Weather: 65° Clear Sunny
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: Trenton Reed
Static Water Level (DTW): 35.94
Is well Dry? NO
If so Dry at: —
Date: 7/23-24/24
Quarter: 3
Well ID: GVMW-8B
Well Depth (TD): 50 feet

	Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
7/23	10:30	36.95	1.01	6.65	443.0	8.2	17.85	190.6	
	10:37	49.4		6.64	445.3	8.5	16.81	141.2	
7/24									
	9:57			6.44	427.7	7.9	15.37	243	

Sample Method: P+R
Rate (gpm): —
** Flow rate at stabilization (during sample collection)*
Time Start: 7/23/24 10:30 **Time End:** 7/24/24 9:57

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.44	±0.1	Y / N	
Conductivity	427.7	3%	Y / N	
Temp (deg C)	7.9	3%	Y / N	
Dissolved Oxyger	15.37	10%	Y / N	
Turbidity	—	10%	~~Y~~ / N	
Oxidation/Reduction	243	±10	Y / N	
DTW Stabilized		feet	Y / ~~N~~	
Final H2O level		feet		

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

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

Weather: 64° Sunny
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: Trenton Reed
Static Water Level (DTW): 124.35
Date: 7/23/24
Quarter: 3
Well ID: GVMW-8A
Well Depth (TD): 250 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
8:31	124.45	0.10	6.39	1904	6.4	22.88	149.9	
8:36	124.50	0.05	6.79	478.0	5.1	24.39	124.0	
8:41	124.50	0.00	6.79	472.5	5.1	24.30	122.8	0.5 L/m
8:46	124.50	0.00	6.79	471.8	5.2	24.28	125.9	
8:51	124.50	0.00	6.78	471.0	5.2	23.89	129.8	
8:56	124.50	0.00	6.77	470.1	5.1	22.96	130.6	
9:01								
	Total							
	Drawdown							
	0.15							

Sample Method: Low Flow
Rate (gpm): 0.13 * Flow rate at stabilization (during sample collection)
Time Start: 8:31 Time End: 8:56

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.77	±0.1	Y / N	
Conductivity	470.1	3%	Y / N	
Temp (deg C)	5.1	3%	Y / N	
Dissolved Oxygen	22.96	10%	Y / N	
Turbidity	—	10%	~~Y / N~~	
Oxidation/Reduction	130.6	±10	Y / N	
DTW Stabilized	124.50	feet	Y / N	
Final H2O level	124.50	feet		

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

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

Weather: 53° Sunny
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley **Date:** 7/31/24
Technician: Trenton Reed **Quarter:** 3
Static Water Level (DTW): 224.26 **Well ID:** GVMW-10
Is well Dry? No **If so Dry at:** — **Well Depth (TD):** 261.9 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:15	1.0gal	1.0gal	6.99	5623	7.1	16.21	224.3	
11:26	2.0gal	84.0gal	6.94	5581	6.0	14.79	212.2	
11:38	3.0gal	7.0	6.70	6640	5.9	12.74	155.3	
11:47	3.gal	10.0	7.24	5672	4.6	9.63	132.0	
11:59	3.gal	13.0	7.36	4288	4.0	7.99	128.7	
12:10	2gal	15.0	7.37	4897	5.0	9.28	129.8	
12:26	3.gal	18.0	7.33	4856	5.1	7.89	154.4	

Sample Method: Volum Purge w/ Bailer **Rate (gpm):** — NA — **Time Start:** 11:15 **Time End:** 12:26
** Flow rate at stabilization (during sample collection)*

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.33	±0.1	Y / N	
Conductivity	4856	3%	Y / N	
Temp (deg C)	5.1	3%	Y / N	
Dissolved Oxygen	7.89	10%	Y / N	
Turbidity	—	~~10%~~	~~Y / N~~	
Oxidation/Reduction	154.4	±10	Y / N	
DTW Stabilized	NA	feet	Y / N	
Final H2O level	NA	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: 18gal Actual vol. pumped (gal): 18 gal

O/G visible: Y / (N)
Equipment Decontaminated: Y / (N)
Turbid? Y / (N)
Decontamination procedure used: used new bailer

Weather: 71° Sunny
Signature:

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

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

Show Calculations:
261.9 - 224.26 = 37.64 x 0.1632 = 6.14 x 3 = 18gal

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley **Date:** 7/11/24

Technician: Trenton Reed. **Quarter:** 3

Static Water Level (DTW): 91.3 **Well ID:** GVMW-15A

Is well Dry? No **If so Dry at:** — **Well Depth (TD):** 820 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1:33			6.34	476.0	10.7	4.37	51.5	
1:38	91.8	0.5	6.43	483.9	7.8	4.42	31.0	
1:43	91.95	0.15	6.48	485.4	6.8	4.65	16.0	
1:48	91.95	0.00	6.47	482.7	7.3	4.62	13.1	0.1 L/m
1:53	92.00	0.05	6.46	478.7	7.8	4.53	9.3	
1:58	92.00	0.00	6.44	482.2	7.9	4.49	5.3	
2:03	92.00	0.00	6.43	478.7	8.6	4.27	3.8	
2:08	92.00	0.00	6.46	482.1	8.8	4.43	2.1	
	total							
	Drawdown							
	0.7							

Sample Method: Low Flow **Rate (gpm):** 0.04 **Time Start:** 1:33 **Time End:** 2:08

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

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.46	±0.1	(Y) / N	
Conductivity	482.1	3%	(Y) / N	
Temp (deg C)	8.8	3%	Y / (N)	
Dissolved Oxygen	4.43	10%	(Y) / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	2.1	±10	(Y) / N	
DTW Stabilized	92.00	feet	(Y) / N	
Final H2O level	92.00	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N If yes, required pump vol (gal): 1.27 Actual vol. pumped (gal) ~3gal following stabilization

** See Field Volume Guide*

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

Equipment Decontaminated: (Y) / N

Decontamination procedure used: triple Rinse w/ Liquid Knox

Weather: Partly cloudy 67°

Signature:

Volume Calculations:

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

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

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

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

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

Show Calculations:
0.5 + 0.77 = 1.27 gal Use 5gal Bucket
unable to stablaize temp

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Technician: Trenton Reed
Static Water Level (DTW): 80.65
Date: 7/11/24
Quarter: 3
Well ID: GVMW-15B
Well Depth (TD): 102 feet
Is well Dry? - No
If so Dry at: —

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:43			4.64	555	10.0	3.07	112.0	
12:48	80.8	0.15	4.67	566.6	8.8	2.26	117.4	
12:53	80.8	0.00	4.69	561.4	9.0	2.35	121.9	0.1 L/M
12:58	80.8	0.00	4.68	562.2	8.7	2.46	125.5	
1:03	80.8	0.00	4.67	559.9	9.4	2.29	127.7	
1:08	80.8	0.00	4.66	561.0	9.6	2.39	129.2	
	TOTAL							
	Draw Down							
	0.15							

Sample Method: Low Flow
Rate (gpm): 0.04 * Flow rate at stabilization (during sample collection)
Time Start: 12:43 **Time End:** 1:08

Final Parameters	Stabilization Guidance		Met?	Comments
pH	4.66	±0.1	(Y) / N	
Conductivity	561.0	3%	(Y) / N	
Temp (deg C)	9.6	3%	(Y) / N	
Dissolved Oxygen	2.39	10%	(Y) / N	
Turbidity	—	10%	~~Y~~ / ~~N~~	
Oxidation/Reduction	129.2	±10	(Y) / N	
DTW Stabilized	80.8	feet	(Y) / N	
Final H2O level	80.8	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) ~1.5 gal

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

Weather: Partly Cloudy 70°
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: Trenton Reed
Static Water Level (DTW): —
Date: 7/11/24
Quarter: 3
Well ID: GVMW-15C
Well Depth (TD): ~~4~~ 419 feet
Is well Dry? yes
If so Dry at: 419

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

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

Final 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: Used Sounder

Weather:
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: Trenton Reed
Static Water Level (DTW): 2.8
Date: 7/9/24
Quarter: 3
Well ID: GVMW-22A
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
11:20			7.71	325.0	5.4	4.17	85.2	
11:25	2.89	0.09	7.8	325.0	6.6	3.02	74.6	
11:30	3.0	0.1	7.8	322.3	8.1	2.77	66.6	
11:35	3.1	0.1	7.8	322.3	9.4	2.67	57.1	
11:40	3.15	0.05	7.8	321.4	10.2	2.59	50.6	
11:45	3.6	0.45	7.8	325.0	8.6	3.11	45.4	0.17 L/M
11:50	4.25	0.65	7.8	323.5	6.6	2.41	33.4	
11:55	4.35	0.05	7.8	323.5	6.6	2.39	27.7	
12:00	4.35	0.0	7.8	323.2	6.6	2.32	24.9	
	Total Drawdown 1.455							

Sample Method: Low Flow **Rate (gpm):** 0.04 **Time Start:** 11:20 **Time End:** 12:00
** Flow rate at stabilization (during sample collection)*

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.8	±0.1	(Y) / N	
Conductivity	323.2	3%	(Y) / N	
Temp (deg C)	6.6	3%	(Y) / N	
Dissolved Oxygen	2.32	10%	(Y) / N	
Turbidity	—	10%	Y / ~~N~~	
Oxidation/Reduction	24.9	±10	(Y) / N	
DTW Stabilized	4.35	feet	(Y) / N	
Final H2O level	4.35	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N — If yes, required pump vol (gal) following stabilization: 1.4 — Actual vol. pumped (gal): ~2.3
** See Field Volume Guide*

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

Weather: Partly Cloudy 63°
Signature:

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

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

Show Calculations:
1.0 + 0.40 = 1.4

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley **Date:** 7/9/24

Technician: Trenton Reed **Quarter:** 3

Static Water Level (DTW): 3.62 **Well ID:** GVMW-22B

Is well Dry? No **If so Dry at:** — **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
10:25			6.69	215.9	6.1	6.16	103.3	
10:30	3.78	0.16	6.72	217.9	5.4	4.47	96.9	
10:35	3.78	0.0	6.72	215.5	6.0	3.69	89.4	
10:40	3.78	0.0	6.72	216.2	6.1	3.56	85.0	0.3 L/M (10)
10:45	3.9	0.12	6.76	212.9	5.4	4.94	6.7	
10:50	3.9	0.0	6.73	212.1	5.6	3.92	10.9	
10:55	3.9	0.0	6.73	208.3	5.7	4.89	21.0	
11:00	3.9	0.0	6.73	206.7	5.7	5.14	27.7	
11:05	3.9	0.0	6.73	205.7	5.7	5.15	29.5	
		Drawn Down 0.28						

Sample Method: Low Flow **Rate (gpm):** 0.09 **Time Start:** 10:25 **Time End:** 11:05

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

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.73	±0.1	(Y) / N	
Conductivity	205.7	3%	(Y) / N	
Temp (deg C)	5.7	3%	(Y) / N	
Dissolved Oxygen	5.15	10%	(Y) / N	
Turbidity	—	10%	(Y) / N	
Oxidation/Reduction	29.5	±10	(Y) / N	
DTW Stabilized	3.9	feet	(Y) / N	
Final H2O level	3.9	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) 5 gal

** See Field Volume Guide* following stabilization

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

Equipment Decontaminated: (Y) / N

Decontamination procedure used: Triple Rinse Liquid Knox

Weather: clear Sunny 65°

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: Trenton Reed.
Static Water Level (DTW): 224.48
Is well Dry? NO
If so Dry at: —
Date: 7/31/24
Quarter: 3
Well ID: GVMW-24A
Well Depth (TD): ~~248~~ 249.10 feet

Vol rem. Total

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:46	1.0 gal	1.0	6.93	3756	4.4	17.04	158.4	
9:01	2.0 gal	3.0	7.57	2601	3.4	~~18~~.16	268.7	
9:10	2.5 gal	5.0	7.80	2353	3.4	12.27	251.4	
9:28	3.5 gal	8.0	7.85	2406	3.5	10.02	200.3	
9:38	3 gal	11.0	7.85	2401	3.4	9.62	112.4	
9:48	4 gal	15.0	7.85	2348	3.4	8.80	105.3	
10:05 ~~10:20~~	5 gal	20.0	7.85	2280	3.4	7.60	82.3	
10:20	7 gal	27.0	7.84	2226	3.4	7.50	64.4	

Sample Method: Vol. purge w/ bailer
Rate (gpm): NA * Flow rate at stabilization (during sample collection)
Time Start: 8:45 **Time End:** 10:20

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.84	±0.1	(Y) / N	
Conductivity	2226	3%	Y / (N)	
Temp (deg C)	3.4	3%	(Y) / N	
Dissolved Oxyger	7.50	10%	Y / (N)	
Turbidity	NA	10%	Y / N	
Oxidation/Reduction	64.4	±10	Y / (N)	
DTW Stabilized	NA	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: 27
Actual vol. pumped (gal): 27 gal

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

Weather: 68° Sunny
Signature:

Volume Calculations:	
For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$	**For 4" Diameter Well (gal):** $V(gal) = 0.6528 * h(ft)$
Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (r(in))^2 * h(ft)$	
Water Column Calculation: $h(ft) = Total\ Depth(TD)(ft) - Depth\ to\ Water(DTW)(ft)$	
Well Volume Purge Method: *Three Well Volumes = 3*V*	
Conversions: $1ft^3 = 7.48\ gal$; $1gal = 3.785\ L$	**Show Calculations:** (249.10 − 224.48) * .3672 * 3 ~ 27 gallons

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: Trenton Rust
Static Water Level (DTW): [redacted]
Date: 7/1/24
Quarter: 3
Well ID: GVMW-24B
Well Depth (TD): 100 feet
Is well Dry? _____
If so Dry at: 93

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

DRY

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

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

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
** 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: Used Sander

Weather: Clear Sunny
Signature: [signature]

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

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: Trenton Reed
Static Water Level (DTW): 46.9
Date: 7/9/24
Quarter: 3
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
12:57			3.99	2797	8.8	11.97	204.6	
1:02	46.95	0.05	3.9	2862	8.1	10.79	239	
1:07	46.95	0.0	3.9	2859	8.4	10.73	253.3	
1:12	46.95	0.0	3.9	2881	8.4	11.1	270.2	
1:17	46.95	0.0	3.9	2876	8.0	11.4	283.1	0.07 L/M
1:22	46.95	0.0	3.9	2873	8.0	11.2	289.7	
1:27	46.95	0.0	3.9	2881	8.0	11.1	291.2	
	total Drawdown 0.05							

Sample Method: Low Flow
Rate (gpm): 0.01 * Flow rate at stabilization (during sample collection)
Time Start: 12:57 Time End: 1:27

Final Parameters	Stabilization Guidance		Met?	Comments
pH	3.9	±0.1	Y / N	
Conductivity	2881	3%	Y / N	
Temp (deg C)	8.0	3%	Y / N	
Dissolved Oxyger	11.1	10%	Y / N	
Turbidity	—	10%	~~Y / N~~	
Oxidation/Reduction	291.2	±10	Y / N	
DTW Stabilized	46.95	feet	Y / N	
Final H2O level	46.95	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 gal

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

Weather: Partly Cloudy 66°
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: Trenton Reed
Static Water Level (DTW): 5.73
Date: 7.9.24
Quarter: 3
Well ID: GVMW-126F
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
8:48	5.73	—	7.90	272.0	5.3	2.61	23.8	
								DUP
								of
								GVMW
								26A

Sample Method: Low flow
Rate (gpm): .07 * Flow rate at stabilization (during sample collection)
Time Start: 8:48 **Time End:** 8:48

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.9	±0.1	(Y) / N	
Conductivity	272.0	3%	(Y) / N	
Temp (deg C)	5.3	3%	(Y) / N	
Dissolved Oxyger	2.61	10%	(Y) / N	
Turbidity	—	10%	~~Y~~ / ~~N~~	
Oxidation/Reduction	23.8	±10	(Y) / N	
DTW Stabilized	5.73	feet	(Y) / N	
Final H2O level	5.73	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) 4.5 gal

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

Weather: Clear Sunny 54°
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: RB-0709 **Date:** 7/4/24

Technician: Trenton Reed **Quarter:** 3

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
7:50	5.66	1293	18.4	13.7

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: Clear Sunny 52°

Signature: [signature]

Comments / Notes:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 7/9/24
Technician: Trenton Reed
Quarter: 3
Static Water Level (DTW): 5.4
Well ID: GVMW-26A
Is well Dry? No
If so Dry at: —
Well Depth (TD): 70 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
8:13			7.96	263.5	4.8	7.42	58.2	
8:18	5.5	0.1	7.85	272.1	4.7	4.95	56.3	
8:23	5.6	0.1	7.90	273.3	5.2	4.06	41.8	
8:28	5.65	.05	7.90	272.5	5.1	3.68	37.5	
8:33	5.70	.05	7.89	271.5	5.3	3.31	31.3	0.3 L/m (13)
8:38	5.71	.01	7.90	271.8	5.3	3.14	25.1	
8:43	5.73	.02	7.90	271.9	5.3	2.93	24.3	
8:48	5.73	.00	7.90	272.0	5.3	2.61	23.8	
	total Drawdown	0.33						

Sample Method: Low Flow **Rate (gpm):** .07 **Time Start:** 8:13 **Time End:** 8:48
** Flow rate at stabilization (during sample collection)*

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.9	±0.1	(Y) / N	
Conductivity	272.0	3%	(Y) / N	
Temp (deg C)	5.3	3%	(Y) / N	
Dissolved Oxygen	2.61	10%	(Y) / N	
Turbidity	—	10%	~~Y~~ / ~~N~~	
Oxidation/Reduction	23.8	±10	(Y) / N	
DTW Stabilized	5.73	feet	(Y) / N	
Final H2O level	5.73	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) 4.5 gal
** See Field Volume Guide* following stabilization

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Liquid Knot triple Rinse
Collected Dup
Weather: Clear Sunny 540
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: Trenton Reed
Static Water Level (DTW): 5.53
Is well Dry? NO
If so Dry at: —
Date: 7/9/24
Quarter: 3
Well ID: GVMW-26B
Well Depth (TD): 25 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:13			6.76	116.4	3.5	18.44	63.1	
9:18	5.7	0.17	6.61	116.5	3.4	15.54	63.5	
9:23	5.72	0.02	6.50	117.5	3.0	15.42	70.7	
9:28	5.74	0.02	6.49	118.0	3.0	15.01	77.1	1.4 L/m
9:33	5.83	0.09	6.48	119.6	2.7	14.62	83.8	
9:38	5.85	0.02	6.48	120.1	2.6	14.33	88.9	
9:43	5.85	0.00	6.48	120.3	2.7	14.68	92.3	
~~9:48~~								
	total							
	Drow Down							
	.32							

Sample Method: Low Flow **Rate (gpm):** ~0.3 **Time Start:** 9:13 **Time End:** 9:43
** Flow rate at stabilization (during sample collection)*

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.48	±0.1	(Y) / N	
Conductivity	120.3	3%	(Y) / N	
Temp (deg C)	2.7	3%	(Y) / N	
Dissolved Oxygen	14.68	10%	(Y) / N	
Turbidity	—	10%	~~Y / N~~	
Oxidation/Reduction	92.3	±10	(Y) / N	
DTW Stabilized	5.85	feet	(Y) / N	
Final H2O level	5.85	feet		

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

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

Weather: Clear Sunny 54°
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: Trenton Reed
Static Water Level (DTW): [redacted] —

Date: 7/11/24
Quarter: 3
Well ID: OSABH-12
Well Depth (TD): 39 feet

Is well Dry? Yes
If so Dry at: 37.8

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

DRY

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

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

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

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

Weather: Clear Sunny
Signature: [signature]

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Technician: Trenton Reed
Static Water Level (DTW): 28.7
Date: 7/1/24
Quarter: 3
Well ID: OSAWH-14
Is well Dry? Yes
If so Dry at: 28.7
Well Depth (TD): 28.7 feet

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

DRY

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

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

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
** 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:

Weather: Sunny 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:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Technician: Trenton Reed
Static Water Level (DTW): 38.8
Date: 7/24/24
Quarter: 3
Well ID: OSABH-16
Well Depth (TD): 40

Is well Dry? NO
If so Dry at: —
feet

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

Insufficient to Pump

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

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

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

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

Decontamination procedure used:

Weather: 3 640 Sunny
Signature:

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

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 7/11/24
Technician: Trenton Reed
Quarter: 3
Static Water Level (DTW): 14.5
Well ID: OSABH-17
Is well Dry? No
If so Dry at: —
Well Depth (TD): >0 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
2:36			2.99	16720	5.4	30.39	484.6	
2:41	14.8	0.3	2.99	16650	5.1	30.26	489.3	
2:46	14.8	0.0	3.00	16730	4.9	30.31	489.8	0.3 L/m
2:51	14.8	0.0	2.99	17123	4.8	31.67	500.00	
2:56	14.8	0.0	2.99	17209	4.9	32.02	513.7	
3:01	14.8	0.0	3.00	17260	4.9	32.01	517.4	
3:06	14.8	0.0	3.00	17278	4.9	32.02	520.1	
	total							
	Drawdown							
	0.3							

Sample Method: Low Flow
Rate (gpm): 0.09 * Flow rate at stabilization (during sample collection)
Time Start: 2:36 Time End: 3:06

Final Parameter	Stabilization Guidance		Met?	Comments
pH	3.00	±0.1	(Y) / N	
Conductivity	17278	3%	(Y) / N	
Temp (deg C)	4.9	3%	(Y) / N	
Dissolved Oxyge	32.02	10%	(Y) / N	
Turbidity	—	10%	~~Y~~ / ~~N~~	
Oxidation/Reduction	520.1	±10	(Y) / N	
DTW Stabilized	14.8	feet	(Y) / N	
Final H2O level	14.8	feet		

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

O/G visible: Y / (N)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: triple Rinse Liquid Kiox

Weather: 64° cloudy
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Grassy Valley
Technician: Trenton Reed
Static Water Level (DTW): —

Date: 7/11/24
Quarter: 3
Well ID: ~~OSA8H-18~~ OSA8H-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
				DRY				

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

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

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

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

Weather:
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: RB-0723 **Date:** 7/23/24

Technician: Trenton Reed **Quarter:** 3

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
9:12	5.60	74.4	15.1	151.2

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 54° Sunny

Signature: [signature]

Comments / Notes:

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

Location: Seep 1 **Date:** 7/16/2024

Technician: AK KL **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP mV
12:14	2.17	20.51 ms/cm	21.9	542

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [Y / (N)]

Weather: 60s Cloudy

Signature: Ann Kuras

Comments / Notes:

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

Location: Seep 2 **Date:** 7/16/2014

Technician: AK KR **Quarter:** Q3 July

Time	pH (S.U.)	Cond. (mS/cm)	Temp. (°C)	ORP
12:35	1.81	35.29 mS/cm	22.3	477 mV

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [Y / (N)]

Weather: Cloudy 60S

Signature: Anne Kray

Comments / Notes:

Newmont
NORTH AMERICA

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Attachment 4

GVMW-25 Historical Graphs