Newmont
NORTH AMERICA

Cripple Creek & Victor
Gold Mining Company
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Victor, Colorado 80860

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June 27, 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 May 2024 Report Submission, June 27, 2024

Dear Mr. Russell,

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

METHODOLOGY

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

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

- GVMW-24A was unable to be sampled due to a broken tubing lodged in the well casing. It should be noted that the tubing was retrieved, and a sample was collected in June of 2024.
- GVMW-15C and GVMW-24B were unable to be sampled due to the fact they were dry.
- OSABH-16 had insufficient water to collect a sample.
- OSABH-12, 14, and 18 were unable to be sampled due to the fact they were dry.
- EMP-020 was unable to be sampled due to the fact it was dry.
- GV-03 was unable to be sampled due to the fact it was dry.

Groundwater Level Measurements

Prior to the collection of groundwater samples, depth to groundwater was measured using a

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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.

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 two quality assurance/quality control (QA/QC) samples in May 2024 (included in Attachment 1). One duplicate sample and one rinse blank sample was 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 May 2024 sampling event are included as Attachment 1 and field-collected data is presented on the sampling logs (Attachment 3).

DISCUSSION

Observed groundwater quality data continues to show similar trends to previously recorded data with constituent concentrations peaking around October, then declining throughout the year. Observed groundwater quality at GVMW-25 and OSABH-17 are consistent with previously reported data. Other noted concentrations were observed in GVMW-15B (metals, sulfate, and low pH). The composition of the May 2024 samples is consistent with prior conditions.

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 decreasing concentrations in May 2024 as compared to prior months. Aluminum, beryllium, cadmium, chromium, cobalt,

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copper, manganese, nickel, sulfate, uranium, and zinc all show decreases in concentration compared to the April 2024 results. Arsenic and selenium concentrations in May 2024 are slightly higher than the April 2024 results. Antimony and thallium concentration are depicted as increasing as compared to April 2024, but results were non-detect and elevated due to a dilution at the laboratory. Barium, fluoride, iron, lithium, nitrate, and pH are consistent with previous results. Additionally, ammonia, boron, cyanide, lead, mercury molybdenum, nitrite, silver and vanadium were non-detected.

Water quality monitoring results from wells GVMW-15B and OSABH-17 were consistent with previous records in shallow groundwater. At the shallow interval in GVMW-15B (total depth 102 feet bgs) the groundwater exceeded applicable standards for beryllium, cobalt, iron, nickel, and pH.

At the deeper well, GVMW-15A, the groundwater exceeded the applicable standard for dissolved iron. It should be noted that the sounded depth of the well (682 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 results in dewatering of the well.

GVMW-10 exceeded applicable standards for sulfate and uranium. GVMW-8B and GVMW-22A recorded exceedances for fluoride during the monitoring period, consistent with previous sampling results.

A sample was collected from GVMW-4A during the May 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-02 and GV-06 monitoring locations in May of 2024 and samples were collected. Monitoring location GV-02 exceeded applicable standards for pH, dissolved cadmium, total cadmium, dissolved manganese, sulfate and dissolved zinc. Monitoring location GV-03 did not have flowing water and no sample was collected. Monitoring location GV-06 exceeded applicable standards for dissolved iron. Results from the May 2024 surface water sampling are generally consistent with previous results.

Results from water sampling at EMP-16 recorded exceedances for aluminum, beryllium, cadmium, cobalt, copper, fluoride, manganese, nickel, pH, sulfate, and uranium. Results from water sampling at EMP-17A recorded exceedances for fluoride, manganese, and pH. Results from EMP-17b recorded exceedances for aluminum, beryllium, cadmium, cobalt, fluoride, manganese, pH,

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uranium, sulfate, and zinc. It should be noted that water from the EMP's is being pumped and collected for disposal at the Valley Leach Facilities. An update on the water quantity/quality within the EMP's will be provided in the June monitoring report.

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|5 – May 2024\Final"*

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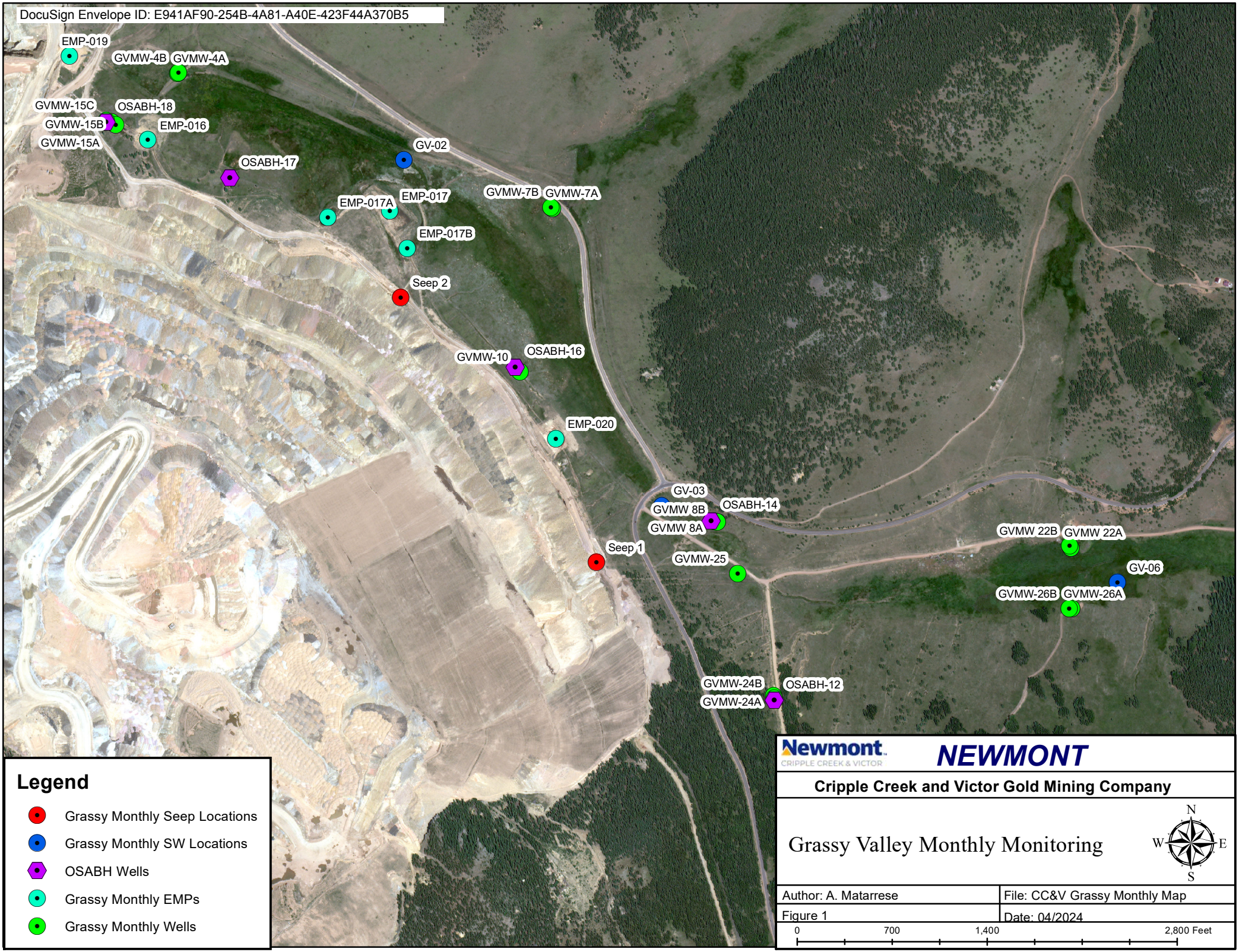
Figures



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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	5/13/2024	Sampled
GVMW-4B	NA	P&A
GVMW-7A	5/13/2024	Sampled
GVMW-7B	5/13/2024	Sampled
GVMW-8A	5/9/2024	Sampled
GVMW-8B	5/9/2024	Sampled
GVMW-10	5/13/2024	Sampled
GVMW-15A	5/9/2024	Sampled
GVMW-15B	5/9/2024	Sampled
GVMW-15C	5/9/2024	Dry at 419' bgs
GVMW-22A	5/7/2024	Sampled
GVMW-22B	5/7/2024	Sampled
GVMW-24A	5/13/2024 & 5/30/2024	During the 5/13 sampling attempt the tubing broke free from the pump and subsequently became lodged in the casing. An attempt to recover the tubing was made on 5/30 but was unsuccesful. Additional sampling and recovery attempts will be made in the June sampling event
GVMW-24B	5/7/2024	Dry at 100' bgs
GVMW-25	5/7/2024	Sampled
GMVW-26A	5/7/2024	Sampled
GVMW-26B	5/7/2024	Sampled
OSABH-12	5/7/2024	Dry at 39' bgs
OSABH-14	5/9/2024	Dry at 28.7' bgs
OSABH-16	5/13/2024	NS-IW
OSABH-17	5/9/2024	Sampled
OSABH-18	5/9/2024	Dry at 51.1' bgs
Ecosa Seep-1	5/29/2024	Sampled
Ecosa Seep-2	5/29/2024	Sampled
GV-02	5/29/2024	Sampled
GV-03	5/29/2024	Dry
GV-06	5/29/2024	Sampled
EMP-016	5/29/2024	Sampled
EMP-017	5/29/2024	Sampled
EMP-017A	5/29/2024	Sampled
EMP-17B	5/29/2024	Sampled
EMP-020	5/29/2024	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 - May 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-25	GMVW-26A	GVMW-26B	OSABH-17	Seep-1	Seep-2	EMP-16	EMP-17	EMP-17A	EMP-17B
				Sample Date	5/13/2024	5/13/2024	5/13/2024	5/9/2024	5/9/2024	5/13/2024	5/9/2024	5/9/2024	5/7/2024	5/7/2024	5/7/2024	5/7/2024	5/7/2024	5/9/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2024	5/29/2023
Aluminum - Dissolved	5	**7**	mg/L		<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	0.35	<0.080	<0.080	**214**	<0.080	<0.080	**1,710**	**17,700**	**7,240**	**77.3**	<0.080	2.69	**21.6**
Ammonia	NA	NA	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	**0.03**	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.058	<3.00	**<3.00**	<0.030	<0.030	<0.030	<0.030
Antimony - Dissolved	**0.006**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.00107**	<0.00100	<0.00100	<0.00100	<0.00100	<0.100	<0.00100	<0.00100	<0.00100	**<1.00**	**<0.100**	<0.00200	<0.00200	<0.00200	<0.00200
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	**0.0845**	<0.00100	<0.00100	<0.100	**22.6**	**1.13**	<0.00400	<0.00200	<0.00200	<0.00200
Barium - Dissolved	**2**	NA	mg/L		0.203	0.175	0.0478	<0.0020	0.0095	0.0218	0.0535	0.0136	0.106	0.0545	0.0099	0.194	0.108	<0.0400	<0.200	<0.200	0.0266	0.0331	0.0503	0.0223
Beryllium - Dissolved	**0.004**	NA	mg/L		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.0361**	<0.00200	<0.00200	**0.225**	<0.00200	<0.00200	**0.417**	**1.38**	**0.896**	**0.0196**	<0.00200	<0.00200	**0.00419**
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	<0.800	**<4.00**	**<4.00**	<0.0400	<0.0400	<0.0400	0.05
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	**0.523**	<0.0020	<0.0020	**4.22**	**88.2**	**16.3**	**0.127**	**0.0039**	**0.0029**	**0.1**
Chloride - Total	**250**	NA	mg/L		3.78	9.90	82.9	67.7	25.3	5.66	1.42	1.03	4.24	11.8	30.6	1.27	1.83	30.6	<50.0	<20.0	10.9	3.76	2.25	2.58
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	**0.0163**	<0.0060	<0.0060	**0.28**	**5.22**	**2.11**	0.0076	<0.0060	<0.0060	<0.0060
Cobalt - Dissolved	**0.05**	NA	mg/L		**0.0095**	**0.007**	**0.0065**	<0.0060	**0.0078**	**0.0067**	**0.0238**	**0.0637**	<0.0060	<0.0060	**0.501**	<0.0060	<0.0060	**8.83**	**43.5**	**19.5**	**0.703**	<0.0060	0.0227	**0.0952**
Copper - Dissolved	**0.2**	**0.2**	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	**0.0159**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.722**	<0.0100	<0.0100	**7.24**	**204**	**36.9**	**0.215**	<0.0100	0.0117	0.12
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	<0.0500	<0.0250	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide - Total	NA	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.0500	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide - WAD	NA	**0.2**	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoride - Total F	**2**	**2**	mg/L		0.133	0.896	0.329	1.92	**2.29**	0.414	0.29	0.36	**2.15**	0.414	**9.17**	1.78	0.217	<1.00	**1,300**	**394**	**8.81**	1.48	**3.01**	**11.6**
Iron - Dissolved	0.3	**14**	mg/L		8.16	1.05	<0.100	<0.100	<0.100	<0.100	**32.1**	**20**	<0.100	<0.100	0.375	<0.100	<0.100	**36.1**	**15,300**	**4,400**	1.11	<0.100	0.119	0.925
Lead - Dissolved	**0.05**	NA	mg/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	0.0326	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	**<0.150**	**<0.750**	<0.750	0.0174	<0.0075	<0.0075	<0.0075
Lithium - Dissolved	**2.5**	NA	mg/L		<0.040	<0.040	<0.040	<0.040	<0.040	0.059	<0.040	<0.040	<0.040	<0.040	0.094	<0.040	<0.040	1.17	**11.3**	<4.00	0.08	<0.040	<0.040	<0.040
Manganese - Dissolved	0.05	**3**	mg/L		1.99	0.213	0.0396	0.0114	0.0135	0.233	1.79	1.21	0.0082	<0.0080	**74.5**	<0.0080	<0.0080	**619**	**6,880**	**2,000**	**26.9**	1.63	**5.5**	**19.6**
Mercury - Dissolved	**0.002**	**0.002**	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.000279	0.0002	<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	0.022	<0.0080	<0.0080	0.0156	<0.0080	<0.0080	<0.0080	<0.0080	<0.160	<0.800	<0.800	<0.0080	<0.0080	<0.0080	<0.0080
Nickel - Dissolved	**0.1**	NA	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0102	0.0538	**0.105**	<0.0100	<0.0100	**0.897**	<0.0100	<0.0100	**8.44**	**29**	**17.400**	**0.482**	<0.0100	0.0134	0.0873
Nitrate as Nitrogen	**10**	**10**	mg/L		<0.050	<0.050	0.409	1.35	2.01	0.317	<0.050	<0.050	<0.050	0.659	2.93	0.069	0.692	4.12	<12.5	**24.7**	<0.050	<0.050	<0.050	<0.050
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		<0.100	<0.100	0.409	1.35	2.01	0.317	<0.100	<0.100	<0.100	0.659	2.93	<0.100	0.692	4.12	**<25.0**	**24.7**	<0.100	<0.100	<0.100	<0.100
Nitrite as Nitrogen	**1**	**1**	mg/L		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.250	<0.050	<0.050	<0.500	<12.5	**<5.00**	<0.050	<0.050	<0.050	<0.050
pH Field	6.5-8.5	**6.0-8.5**	pH units		6.46	7.47	7.24	6.89	6.74	7.02	6.60	**4.79**	7.93	6.87	**3.96**	7.98	6.62	**3.1**	**1.85**	**2.14**	**3.42**	6.51	**4.35**	**3.50**
Selenium - Dissolved	0.02	**0.024**	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.0133	<0.00100	<0.00100	<0.00100	<0.00100	0.00838	<0.00100	<0.00100	<0.100	**1.28**	**0.211**	0.0048	<0.00200	<0.00200	<0.00200
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	<0.100	<0.500	<0.500	<0.0050	<0.0050	<0.0050	<0.0050
Sodium - Dissolved	NA	NA	mg/L		8.41	9.54	15.2	25.3	25.1	53.3	12.9	12.4	37.1	12.4	36.3	29.5	9.81	11.3	<50.0	<50.0	8.17	27.4	2.92	28.9
Sulfate - Total	**250**	NA	mg/L		50.7	20.2	238	60.3	119	**1,180**	173	249	34.4	38.3	**3,340**	11.3	20.5	**15,800**	**161,000**	**60,100**	**1,270**	**367**	167	**903**
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	<0.0200	<0.000200	<0.000200	<0.0200	<0.200	<0.0200	<0.000400	<0.000400	<0.000400	<0.000400
Total Dissolved Solids	NA	NA	mg/L		158	217	653	288	280	1,850	298	391	198	156	4,140	155	87	21,300	226,000	96,400	2,320	537	246	1,180
Uranium - Dissolved	**0.03**	NA	mg/L		0.000358	0.00422	0.00993	0.00465	0.00194	**0.0457**	<0.000100	0.00323	0.00358	0.000846	**0.663**	0.00368	<0.000100	**5.2**	**129**	**18.7**	**0.192**	0.000777	0.000676	**0.0677**
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	<0.100	<0.500	<0.500	<0.0050	<0.0050	<0.0050	<0.0050
Zinc - Dissolved	**2**	**2**	mg/L		0.0111	<0.0100	0.0132	<0.0100	<0.0100	0.0791	0.239	1.18	<0.0100	<0.0100	**19.1**	<0.0100	<0.0100	**157**	**4,040**	**304**	**6.88**	0.06	0.249	**7.19**

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

Newmont
NORTH AMERICA

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

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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
Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4E0125-01 (Ground Water)**

Sampled: 07-May-24 09:14
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	467	mg/L	1.00	0.690	10	X420003	NMS	05/14/24 18:50	D2,M4
EPA 200.7	**Magnesium**	193	mg/L	0.500	0.090		X420003	NMS	05/14/24 16:58	
EPA 200.7	**Potassium**	5.47	mg/L	0.50	0.18		X420003	NMS	05/14/24 16:58	
SM 2340 B	**Hardness (as CaCO3)**	1960	mg/L	4.56	2.09		N/A		05/21/24 09:41	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	214	mg/L	0.080	0.054		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Barium**	0.0099	mg/L	0.0020	0.0019		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Beryllium**	0.225	mg/L	0.00200	0.00080		X419175	NMS	05/21/24 09:41	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Cadmium**	0.523	mg/L	0.0020	0.0016		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Calcium**	475	mg/L	0.100	0.069		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Chromium**	0.0163	mg/L	0.0060	0.0020		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Cobalt**	0.501	mg/L	0.0060	0.0046		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Copper**	0.722	mg/L	0.0100	0.0027		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Iron**	0.375	mg/L	0.100	0.056		X419175	NMS	05/21/24 09:41	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Lithium**	0.094	mg/L	0.040	0.025		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Magnesium**	180	mg/L	0.500	0.090		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Manganese**	74.5	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 09:41	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Nickel**	0.897	mg/L	0.0100	0.0048		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Potassium**	5.21	mg/L	0.50	0.18		X419175	NMS	05/21/24 09:41	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Sodium**	36.3	mg/L	0.50	0.12		X419175	NMS	05/21/24 09:41	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 09:41	
EPA 200.7	**Zinc**	19.1	mg/L	0.0100	0.0054		X419175	NMS	05/21/24 09:41	
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X419226	SMU	05/20/24 18:37	D1,M4
EPA 200.8	Arsenic	< 0.100	mg/L	0.100	0.0210	100	X419226	SMU	05/20/24 18:37	D1,M4
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X419226	SMU	05/20/24 18:37	D1,M4
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X419226	SMU	05/20/24 18:37	D1
EPA 200.8	**Uranium**	0.663	mg/L	0.0100	0.00520	100	X419226	SMU	05/20/24 18:37	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420050	MAC	05/15/24 15:02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X421014	DD	05/23/24 11:09	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 10:51	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X419185	JPM	05/10/24 10:04	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420066	DD	05/15/24 11:22	
SM 2310 B	**Acidity to pH 8.3**	1360	mg/L as CaCO3	10.0			X419182	MWD	05/10/24 07:42	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:36	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:36	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:36	
SM 2540 C	**Total Diss. Solids**	4140	mg/L	40			X419120	TJL	05/09/24 13:50	D2
SM 2540 D	**Total Susp. Solids**	30.0	mg/L	5.0			X419121	TJL	05/09/24 15:00	
SM 4500 H B	**pH @20.7°C**	3.8	pH Units				X419144	MWD	05/09/24 13:36	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4E0125-01 (Ground Water)**

Sampled: 07-May-24 09:14
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	30.6	mg/L	1.00	0.11	5	X419118	RS	05/08/24 15:11	D2
EPA 300.0	**Fluoride**	9.17	mg/L	0.500	0.085	5	X419118	RS	05/08/24 15:11	D2
EPA 300.0	**Nitrate as N**	2.93	mg/L	0.250	0.065	5	X419118	RS	05/08/24 15:11	D1
EPA 300.0	**Nitrate+Nitrite as N**	2.93	mg/L	0.500	0.220	5	X419118	RS	05/08/24 15:11	D1
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X419118	RS	05/08/24 15:11	D1
EPA 300.0	**Sulfate as SO4**	3340	mg/L	30.0	18.0	100	X419118	RS	05/08/24 15:29	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 67.0 meq/L Anion Sum: 71.1 meq/L C/A Balance: -2.96 % Calculated TDS: 4092 TDS/cTDS: 1.01

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

Tawnya M. Hall
Project Manager Assistant

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-26 A**
SVL Sample ID: **X4E0125-03 (Ground Water)**

Sampled: 07-May-24 10:32
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	28.9	mg/L	0.100	0.069		X420003	NMS	05/14/24 17:20	
EPA 200.7	**Magnesium**	6.77	mg/L	0.500	0.090		X420003	NMS	05/14/24 17:20	
EPA 200.7	**Potassium**	0.93	mg/L	0.50	0.18		X420003	NMS	05/14/24 17:20	
SM 2340 B	**Hardness (as CaCO3)**	99.7	mg/L	2.31	0.543		N/A		05/21/24 10:02	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X419175	NMS	05/21/24 10:02	
EPA 200.7	**Barium**	0.194	mg/L	0.0020	0.0019		X419175	NMS	05/21/24 10:02	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X419175	NMS	05/21/24 10:02	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X419175	NMS	05/21/24 10:02	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X419175	NMS	05/21/24 10:02	
EPA 200.7	**Calcium**	28.8	mg/L	0.100	0.069		X419175	NMS	05/21/24 10:02	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X419175	NMS	05/21/24 10:02	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X419175	NMS	05/21/24 10:02	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X419175	NMS	05/21/24 10:02	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X419175	NMS	05/21/24 10:02	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X419175	NMS	05/21/24 10:02	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X419175	NMS	05/21/24 10:02	
EPA 200.7	**Magnesium**	6.54	mg/L	0.500	0.090		X419175	NMS	05/21/24 10:02	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:02	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:02	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X419175	NMS	05/21/24 10:02	
EPA 200.7	**Potassium**	0.81	mg/L	0.50	0.18		X419175	NMS	05/21/24 10:02	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:02	
EPA 200.7	**Sodium**	29.5	mg/L	0.50	0.12		X419175	NMS	05/21/24 10:02	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:02	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X419175	NMS	05/21/24 10:02	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X419226	SMU	05/20/24 17:05	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X419226	SMU	05/20/24 17:05	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X419226	SMU	05/20/24 17:05	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X419226	SMU	05/20/24 17:05	
EPA 200.8	**Uranium**	0.00368	mg/L	0.000100	0.000052		X419226	SMU	05/20/24 17:05	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420050	MAC	05/15/24 15:06	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 12:55	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 10:55	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X419185	JPM	05/10/24 10:08	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420066	DD	05/15/24 11:25	
SM 2310 B	**Acidity to pH 8.3**	-148	mg/L as CaCO3	10.0			X419182	MWD	05/10/24 07:42	
SM 2320 B	**Total Alkalinity**	153	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:56	
SM 2320 B	**Bicarbonate**	153	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:56	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:56	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:56	
SM 2540 C	**Total Diss. Solids**	155	mg/L	10			X422104	TJL	05/31/24 14:20	H1
SM 2540 D	**Total Susp. Solids**	9.0	mg/L	5.0			X419121	TJL	05/09/24 15:00	
SM 4500 H B	**pH @20.8°C**	8.0	pH Units				X419144	MWD	05/09/24 13:56	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-26 A**
SVL Sample ID: **X4E0125-03 (Ground Water)**

Sampled: 07-May-24 10:32
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.27	mg/L	0.20	0.02		X419118	RS	05/08/24 16:24	
EPA 300.0	**Fluoride**	1.78	mg/L	0.100	0.017		X419118	RS	05/08/24 16:24	
EPA 300.0	**Nitrate as N**	0.069	mg/L	0.050	0.013		X419118	RS	05/08/24 16:24	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X419118	RS	05/08/24 16:24	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X419118	RS	05/08/24 16:24	
EPA 300.0	**Sulfate as SO4**	11.3	mg/L	0.30	0.18		X419118	RS	05/08/24 16:24	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.30 meq/L Anion Sum: 3.43 meq/L C/A Balance: -1.93 % Calculated TDS: 172 TDS/cTDS: 0.90

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

Tawnya M. Hall
Project Manager Assistant

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-26 B**
SVL Sample ID: **X4E0125-04 (Ground Water)**

Sampled: 07-May-24 11:28
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	10.9	mg/L	0.100	0.069		X420003	NMS	05/14/24 17:24	
EPA 200.7	**Magnesium**	2.39	mg/L	0.500	0.090		X420003	NMS	05/14/24 17:24	
EPA 200.7	**Potassium**	0.87	mg/L	0.50	0.18		X420003	NMS	05/14/24 17:24	
SM 2340 B	**Hardness (as CaCO3)**	36.5	mg/L	2.31	0.543		N/A		05/14/24 17:24	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X419175	NMS	05/21/24 10:06	
EPA 200.7	**Barium**	0.108	mg/L	0.0020	0.0019		X419175	NMS	05/21/24 10:06	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X419175	NMS	05/21/24 10:06	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X419175	NMS	05/21/24 10:06	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X419175	NMS	05/21/24 10:06	
EPA 200.7	**Calcium**	10.8	mg/L	0.100	0.069		X419175	NMS	05/21/24 10:06	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X419175	NMS	05/21/24 10:06	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X419175	NMS	05/21/24 10:06	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X419175	NMS	05/21/24 10:06	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X419175	NMS	05/21/24 10:06	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X419175	NMS	05/21/24 10:06	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X419175	NMS	05/21/24 10:06	
EPA 200.7	**Magnesium**	2.30	mg/L	0.500	0.090		X419175	NMS	05/21/24 10:06	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:06	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:06	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X419175	NMS	05/21/24 10:06	
EPA 200.7	**Potassium**	0.78	mg/L	0.50	0.18		X419175	NMS	05/21/24 10:06	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:06	
EPA 200.7	**Sodium**	9.81	mg/L	0.50	0.12		X419175	NMS	05/21/24 10:06	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:06	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X419175	NMS	05/21/24 10:06	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X419226	SMU	05/20/24 17:07	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X419226	SMU	05/20/24 17:07	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X419226	SMU	05/20/24 17:07	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X419226	SMU	05/20/24 17:07	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X419226	SMU	05/20/24 17:07	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420050	MAC	05/15/24 15:12	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 12:57	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 10:58	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X419185	JPM	05/10/24 10:10	M2,R2B
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420066	DD	05/15/24 11:27	
SM 2310 B	**Acidity to pH 8.3**	-27.4	mg/L as CaCO3	10.0			X419182	MWD	05/10/24 07:42	
SM 2320 B	**Total Alkalinity**	35.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:01	
SM 2320 B	**Bicarbonate**	35.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:01	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:01	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:01	
SM 2540 C	**Total Diss. Solids**	87	mg/L	10			X419120	TJL	05/09/24 13:50	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X419121	TJL	05/09/24 15:00	
SM 4500 H B	**pH @20.9°C**	6.7	pH Units				X419144	MWD	05/09/24 14:01	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-26 B**
SVL Sample ID: **X4E0125-04 (Ground Water)**

Sampled: 07-May-24 11:28
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.83	mg/L	0.20	0.02		X419118	RS	05/08/24 12:47	
EPA 300.0	**Fluoride**	0.217	mg/L	0.100	0.017		X419118	RS	05/08/24 12:47	
EPA 300.0	**Nitrate as N**	0.692	mg/L	0.050	0.013		X419118	RS	05/08/24 12:47	
EPA 300.0	**Nitrate+Nitrite as N**	0.692	mg/L	0.100	0.044		X419118	RS	05/08/24 12:47	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X419118	RS	05/08/24 12:47	
EPA 300.0	**Sulfate as SO4**	20.5	mg/L	0.30	0.18		X419118	RS	05/08/24 12:47	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.19 meq/L Anion Sum: 1.24 meq/L C/A Balance: -2.03 % Calculated TDS: 70 TDS/cTDS: 1.24

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

Tawnya M. Hall
Project Manager Assistant

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-22 B**
SVL Sample ID: **X4E0125-05 (Ground Water)**

Sampled: 07-May-24 12:30
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	26.7	mg/L	0.100	0.069		X420003	NMS	05/14/24 17:28	
EPA 200.7	**Magnesium**	6.08	mg/L	0.500	0.090		X420003	NMS	05/14/24 17:28	
EPA 200.7	**Potassium**	1.22	mg/L	0.50	0.18		X420003	NMS	05/14/24 17:28	
SM 2340 B	**Hardness (as CaCO3)**	90.3	mg/L	2.31	0.543		N/A		05/14/24 17:28	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X419175	NMS	05/21/24 10:10	
EPA 200.7	**Barium**	0.0545	mg/L	0.0020	0.0019		X419175	NMS	05/21/24 10:10	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X419175	NMS	05/21/24 10:10	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X419175	NMS	05/21/24 10:10	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X419175	NMS	05/21/24 10:10	
EPA 200.7	**Calcium**	26.4	mg/L	0.100	0.069		X419175	NMS	05/21/24 10:10	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X419175	NMS	05/21/24 10:10	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X419175	NMS	05/21/24 10:10	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X419175	NMS	05/21/24 10:10	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X419175	NMS	05/21/24 10:10	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X419175	NMS	05/21/24 10:10	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X419175	NMS	05/21/24 10:10	
EPA 200.7	**Magnesium**	5.93	mg/L	0.500	0.090		X419175	NMS	05/21/24 10:10	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:10	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:10	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X419175	NMS	05/21/24 10:10	
EPA 200.7	**Potassium**	1.19	mg/L	0.50	0.18		X419175	NMS	05/21/24 10:10	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:10	
EPA 200.7	**Sodium**	12.4	mg/L	0.50	0.12		X419175	NMS	05/21/24 10:10	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:10	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X419175	NMS	05/21/24 10:10	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X419226	SMU	05/20/24 17:10	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X419226	SMU	05/20/24 17:10	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X419226	SMU	05/20/24 17:10	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X419226	SMU	05/20/24 17:10	
EPA 200.8	**Uranium**	0.000846	mg/L	0.000100	0.000052		X419226	SMU	05/20/24 17:10	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420050	MAC	05/15/24 15:14	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 12:59	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 11:00	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X419185	JPM	05/10/24 10:12	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420066	DD	05/15/24 11:33	
SM 2310 B	**Acidity to pH 8.3**	-57.6	mg/L as CaCO3	10.0			X419182	MWD	05/10/24 07:42	
SM 2320 B	**Total Alkalinity**	63.4	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:06	
SM 2320 B	**Bicarbonate**	63.4	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:06	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:06	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:06	
SM 2540 C	**Total Diss. Solids**	156	mg/L	10			X419120	TJL	05/09/24 13:50	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X419121	TJL	05/09/24 15:00	
SM 4500 H B	**pH @21.0°C**	7.0	pH Units				X419144	MWD	05/09/24 14:06	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: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-22 B**
SVL Sample ID: **X4E0125-05 (Ground Water)**

Sampled: 07-May-24 12:30
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.8	mg/L	2.00	0.22	10	X419118	RS	05/08/24 14:17	D2
EPA 300.0	**Fluoride**	0.414	mg/L	0.100	0.017		X419118	RS	05/08/24 13:59	
EPA 300.0	**Nitrate as N**	0.659	mg/L	0.050	0.013		X419118	RS	05/08/24 13:59	
EPA 300.0	**Nitrate+Nitrite as N**	0.659	mg/L	0.100	0.044		X419118	RS	05/08/24 13:59	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X419118	RS	05/08/24 13:59	
EPA 300.0	**Sulfate as SO4**	38.3	mg/L	0.30	0.18		X419118	RS	05/08/24 13:59	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 2.39 meq/L Anion Sum: 2.47 meq/L C/A Balance: -1.59 % Calculated TDS: 138 TDS/cTDS: 1.13

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

Tawnya M. Hall
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-22 A**
SVL Sample ID: **X4E0125-06 (Ground Water)**

Sampled: 07-May-24 13:23
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	30.2	mg/L	0.100	0.069		X420003	NMS	05/14/24 17:32	
EPA 200.7	**Magnesium**	12.4	mg/L	0.500	0.090		X420003	NMS	05/14/24 17:32	
EPA 200.7	**Potassium**	1.43	mg/L	0.50	0.18		X420003	NMS	05/14/24 17:32	
SM 2340 B	**Hardness (as CaCO3)**	125	mg/L	2.31	0.543		N/A		05/14/24 17:32	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X419175	NMS	05/21/24 10:14	
EPA 200.7	**Barium**	0.106	mg/L	0.0020	0.0019		X419175	NMS	05/21/24 10:14	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X419175	NMS	05/21/24 10:14	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X419175	NMS	05/21/24 10:14	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X419175	NMS	05/21/24 10:14	
EPA 200.7	**Calcium**	29.6	mg/L	0.100	0.069		X419175	NMS	05/21/24 10:14	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X419175	NMS	05/21/24 10:14	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X419175	NMS	05/21/24 10:14	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X419175	NMS	05/21/24 10:14	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X419175	NMS	05/21/24 10:14	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X419175	NMS	05/21/24 10:14	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X419175	NMS	05/21/24 10:14	
EPA 200.7	**Magnesium**	12.0	mg/L	0.500	0.090		X419175	NMS	05/21/24 10:14	
EPA 200.7	**Manganese**	0.0082	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:14	
EPA 200.7	**Molybdenum**	0.0156	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:14	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X419175	NMS	05/21/24 10:14	
EPA 200.7	**Potassium**	1.41	mg/L	0.50	0.18		X419175	NMS	05/21/24 10:14	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:14	
EPA 200.7	**Sodium**	37.1	mg/L	0.50	0.12		X419175	NMS	05/21/24 10:14	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:14	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X419175	NMS	05/21/24 10:14	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X419226	SMU	05/20/24 17:12	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X419226	SMU	05/20/24 17:12	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X419226	SMU	05/20/24 17:12	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X419226	SMU	05/20/24 17:12	
EPA 200.8	**Uranium**	0.00358	mg/L	0.000100	0.000052		X419226	SMU	05/20/24 17:12	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420050	MAC	05/15/24 15:16	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 13:01	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 11:03	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X419185	JPM	05/10/24 10:14	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420066	DD	05/15/24 11:34	
SM 2310 B	**Acidity to pH 8.3**	-163	mg/L as CaCO3	10.0			X419182	MWD	05/10/24 07:42	
SM 2320 B	**Total Alkalinity**	166	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:11	
SM 2320 B	**Bicarbonate**	166	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:11	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:11	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:11	
SM 2540 C	**Total Diss. Solids**	198	mg/L	10			X419120	TJL	05/09/24 13:50	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X419121	TJL	05/09/24 15:00	
SM 4500 H B	**pH @21.2°C**	7.9	pH Units				X419144	MWD	05/09/24 14:11	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: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-22 A**
SVL Sample ID: **X4E0125-06 (Ground Water)**

Sampled: 07-May-24 13:23
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.24	mg/L	0.20	0.02		X419118	RS	05/08/24 17:00	
EPA 300.0	**Fluoride**	2.15	mg/L	0.100	0.017		X419118	RS	05/08/24 17:00	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X419118	RS	05/08/24 17:00	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X419118	RS	05/08/24 17:00	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X419118	RS	05/08/24 17:00	
EPA 300.0	**Sulfate as SO4**	34.4	mg/L	0.30	0.18		X419118	RS	05/08/24 17:00	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.13 meq/L Anion Sum: 4.27 meq/L C/A Balance: -1.66 % Calculated TDS: 221 TDS/cTDS: 0.90

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

Tawnya M. Hall
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X420003	14-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X420003	14-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X420003	14-May-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X419175	21-May-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X419175	21-May-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X419175	21-May-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X419175	21-May-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X419175	21-May-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X419175	21-May-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X419175	21-May-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X419175	21-May-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X419175	21-May-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X419175	21-May-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X419175	21-May-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X419175	21-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X419175	21-May-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X419175	21-May-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X419175	21-May-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X419175	21-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X419175	21-May-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X419175	21-May-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X419175	21-May-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X419175	21-May-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X419175	21-May-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X419226	20-May-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X419226	20-May-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X419226	20-May-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X419226	20-May-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X419226	20-May-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X420050	15-May-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X421014	23-May-24	
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X421015	28-May-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X420008	14-May-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X419185	10-May-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X420066	15-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X419182	10-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X419144	09-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X419144	09-May-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X419144	09-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X419144	09-May-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X419120	09-May-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X422104	31-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X419121	09-May-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X419118	08-May-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X419118	08-May-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X419118	08-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X419118	08-May-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X419118	08-May-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X419118	08-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.5	20.0	97	85 - 115	X420003	14-May-24	
EPA 200.7	Magnesium	mg/L	18.7	20.0	93.6	85 - 115	X420003	14-May-24	
EPA 200.7	Potassium	mg/L	19.5	20.0	97.5	85 - 115	X420003	14-May-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.999	1.00	99.9	85 - 115	X419175	21-May-24	
EPA 200.7	Barium	mg/L	1.01	1.00	101	85 - 115	X419175	21-May-24	
EPA 200.7	Beryllium	mg/L	0.995	1.00	99.5	85 - 115	X419175	21-May-24	
EPA 200.7	Boron	mg/L	1.00	1.00	100	85 - 115	X419175	21-May-24	
EPA 200.7	Cadmium	mg/L	0.982	1.00	98.2	85 - 115	X419175	21-May-24	
EPA 200.7	Calcium	mg/L	19.6	20.0	98.2	85 - 115	X419175	21-May-24	
EPA 200.7	Chromium	mg/L	1.01	1.00	101	85 - 115	X419175	21-May-24	
EPA 200.7	Cobalt	mg/L	0.965	1.00	96.5	85 - 115	X419175	21-May-24	
EPA 200.7	Copper	mg/L	1.00	1.00	100	85 - 115	X419175	21-May-24	
EPA 200.7	Iron	mg/L	9.77	10.0	97.7	85 - 115	X419175	21-May-24	
EPA 200.7	Lead	mg/L	0.981	1.00	98.1	85 - 115	X419175	21-May-24	
EPA 200.7	Lithium	mg/L	0.984	1.00	98.4	85 - 115	X419175	21-May-24	
EPA 200.7	Magnesium	mg/L	19.8	20.0	98.9	85 - 115	X419175	21-May-24	
EPA 200.7	Manganese	mg/L	1.00	1.00	100	85 - 115	X419175	21-May-24	
EPA 200.7	Molybdenum	mg/L	1.00	1.00	100	85 - 115	X419175	21-May-24	
EPA 200.7	Nickel	mg/L	0.954	1.00	95.4	85 - 115	X419175	21-May-24	
EPA 200.7	Potassium	mg/L	19.8	20.0	98.9	85 - 115	X419175	21-May-24	
EPA 200.7	Silver	mg/L	0.0510	0.0500	102	85 - 115	X419175	21-May-24	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.5	85 - 115	X419175	21-May-24	
EPA 200.7	Vanadium	mg/L	1.01	1.00	101	85 - 115	X419175	21-May-24	
EPA 200.7	Zinc	mg/L	0.978	1.00	97.8	85 - 115	X419175	21-May-24	
EPA 200.8	Antimony	mg/L	0.0262	0.0250	105	85 - 115	X419226	20-May-24	
EPA 200.8	Arsenic	mg/L	0.0247	0.0250	99.0	85 - 115	X419226	20-May-24	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.8	85 - 115	X419226	20-May-24	
EPA 200.8	Thallium	mg/L	0.0243	0.0250	97.2	85 - 115	X419226	20-May-24	
EPA 200.8	Uranium	mg/L	0.0247	0.0250	98.6	85 - 115	X419226	20-May-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00200	0.00200	99.9	85 - 115	X420050	15-May-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0940	0.100	94.0	90 - 110	X421014	23-May-24	
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X421015	28-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.0960	0.100	96.0	90 - 110	X420008	14-May-24	
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X419185	10-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0980	0.100	98.0	90 - 110	X420066	15-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	879	884	99.5	95.4 - 104	X419182	10-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	96.4 - 105	X419144	09-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	96.4 - 105	X419144	09-May-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X419121	09-May-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.04	3.00	101	90 - 110	X419118	08-May-24	
EPA 300.0	Fluoride	mg/L	2.00	2.00	100	90 - 110	X419118	08-May-24	
EPA 300.0	Nitrate as N	mg/L	2.01	2.00	100	90 - 110	X419118	08-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.54	4.50	101	90 - 110	X419118	08-May-24	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X419118	08-May-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X419118	08-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	3080	3080	0.0	20	X419182 - X4E0041-02	10-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X419144 - X4E0125-02	09-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X419144 - X4E0125-02	09-May-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X419144 - X4E0125-02	09-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X419144 - X4E0125-02	09-May-24	
SM 2540 C	Total Diss. Solids	mg/L	186	399	72.8	10	X419120 - X4E0125-03	09-May-24	R2B
SM 2540 C	Total Diss. Solids	mg/L	802	823	2.6	10	X419120 - X4E0127-07	09-May-24	
SM 2540 C	Total Diss. Solids	mg/L	849	848	0.1	10	X422104 - X4E0450-01	31-May-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	9.0	0.0	10	X419121 - X4E0125-03	09-May-24	
SM 4500 H B	pH @20.7°C	pH Units	3.8	3.8	1.1	20	X419144 - X4E0125-02	09-May-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	36.6	17.3	20.0	97	70 - 130	X420003 - X4E0144-05	14-May-24	
EPA 200.7	Calcium	mg/L	498	467	20.0	0.30R>S	70 - 130	X420003 - X4E0125-01	14-May-24	D2,M4
EPA 200.7	Magnesium	mg/L	208	193	20.0	79.2	70 - 130	X420003 - X4E0125-01	14-May-24	
EPA 200.7	Magnesium	mg/L	20.5	1.00	20.0	97.6	70 - 130	X420003 - X4E0144-05	14-May-24	
EPA 200.7	Potassium	mg/L	27.6	5.47	20.0	110	70 - 130	X420003 - X4E0125-01	14-May-24	
EPA 200.7	Potassium	mg/L	19.9	<0.50	20.0	98.7	70 - 130	X420003 - X4E0144-05	14-May-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.08	0.115	1.00	96.7	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Aluminum	mg/L	11.3	10.2	1.00	104	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Barium	mg/L	1.01	0.0442	1.00	97.1	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Barium	mg/L	1.03	0.0100	1.00	102	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Beryllium	mg/L	0.993	<0.00200	1.00	99.3	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Beryllium	mg/L	1.00	0.00302	1.00	100	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Boron	mg/L	1.10	0.0947	1.00	101	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Boron	mg/L	1.07	0.0450	1.00	102	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Cadmium	mg/L	0.960	<0.0020	1.00	96.0	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Cadmium	mg/L	1.04	0.0766	1.00	96.2	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Calcium	mg/L	112	91.9	20.0	102	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Calcium	mg/L	230	204	20.0	130	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Chromium	mg/L	0.974	<0.0060	1.00	97.4	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Chromium	mg/L	0.988	<0.0060	1.00	98.8	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Cobalt	mg/L	0.960	0.0148	1.00	94.6	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Cobalt	mg/L	1.19	0.215	1.00	97.1	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	99.3	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Copper	mg/L	28.3	27.8	1.00	0.30R>S	70 - 130	X419175 - X4E0127-09	21-May-24	M3
EPA 200.7	Iron	mg/L	9.72	<0.100	10.0	97.2	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Lead	mg/L	0.950	<0.0075	1.00	95.0	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Lead	mg/L	0.961	<0.0075	1.00	96.1	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Lithium	mg/L	0.973	<0.040	1.00	94.1	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Lithium	mg/L	1.02	<0.040	1.00	98.4	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Magnesium	mg/L	40.6	21.3	20.0	96.5	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Magnesium	mg/L	96.9	75.1	20.0	109	70 - 130	X419175 - X4E0127-09	21-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	5.23	4.23	1.00	101	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Manganese	mg/L	46.6	45.5	1.00	118	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Molybdenum	mg/L	0.979	<0.0080	1.00	97.9	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Molybdenum	mg/L	0.988	<0.0080	1.00	98.8	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Nickel	mg/L	0.959	0.0226	1.00	93.7	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Nickel	mg/L	1.00	0.0424	1.00	95.8	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Potassium	mg/L	25.7	5.88	20.0	99.1	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Potassium	mg/L	26.1	4.98	20.0	106	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Silver	mg/L	0.0497	<0.0050	0.0500	99.4	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Silver	mg/L	0.0521	<0.0050	0.0500	104	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Sodium	mg/L	121	102	19.0	97.9	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Sodium	mg/L	59.6	39.4	19.0	106	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Vanadium	mg/L	0.993	<0.0050	1.00	99.3	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Vanadium	mg/L	1.02	<0.0050	1.00	101	70 - 130	X419175 - X4E0127-09	21-May-24	
EPA 200.7	Zinc	mg/L	1.23	0.250	1.00	97.7	70 - 130	X419175 - X4E0098-01	21-May-24	
EPA 200.7	Zinc	mg/L	10.4	9.93	1.00	0.30R>S	70 - 130	X419175 - X4E0127-09	21-May-24	M3
EPA 200.8	Antimony	mg/L	0.0259	<0.00100	0.0250	104	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Antimony	mg/L	<0.100	<0.100	0.0250	N/A	70 - 130	X419226 - X4E0125-01	20-May-24	D1,M4
EPA 200.8	Arsenic	mg/L	0.0259	<0.00100	0.0250	104	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Arsenic	mg/L	<0.100	<0.100	0.0250	137	70 - 130	X419226 - X4E0125-01	20-May-24	D1,M4
EPA 200.8	Selenium	mg/L	0.0253	<0.00100	0.0250	101	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Selenium	mg/L	<0.100	<0.100	0.0250	N/A	70 - 130	X419226 - X4E0125-01	20-May-24	D1,M4
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.6	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Thallium	mg/L	0.0301	<0.0200	0.0250	120	70 - 130	X419226 - X4E0125-01	20-May-24	D1
EPA 200.8	Uranium	mg/L	0.0264	0.00194	0.0250	97.9	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Uranium	mg/L	0.693	0.663	0.0250	120	70 - 130	X419226 - X4E0125-01	20-May-24	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00200	<0.000200	0.00200	100	70 - 130	X420050 - X4E0098-01	15-May-24	
EPA 245.1	Mercury	mg/L	0.00199	<0.000200	0.00200	99.7	70 - 130	X420050 - X4E0125-06	15-May-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0900	<0.0050	0.100	90.0	79 - 121	X421014 - X4E0098-01	23-May-24	
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.105	<0.0050	0.100	105	79 - 121	X421015 - X4E0273-01	28-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.0937	<0.0050	0.100	93.7	90 - 110	X420008 - X4E0098-01	14-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.0958	<0.0050	0.100	95.8	90 - 110	X420008 - X4E0098-02	14-May-24	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X419185 - X4E0125-04	10-May-24	R2B
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	105	90 - 110	X419185 - X4E0125-02	10-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0890	<0.0050	0.100	88.0	82 - 118	X420066 - X4E0036-01	15-May-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	11.3	8.16	3.00	106	90 - 110	X419118 - X4E0125-07	08-May-24	
EPA 300.0	Chloride	mg/L	4.90	1.83	3.00	102	90 - 110	X419118 - X4E0125-04	08-May-24	
EPA 300.0	Fluoride	mg/L	2.05	<0.100	2.00	101	90 - 110	X419118 - X4E0125-07	08-May-24	
EPA 300.0	Fluoride	mg/L	2.20	0.217	2.00	99.2	90 - 110	X419118 - X4E0125-04	08-May-24	
EPA 300.0	Nitrate as N	mg/L	2.00	<0.050	2.00	99.8	90 - 110	X419118 - X4E0125-07	08-May-24	
EPA 300.0	Nitrate as N	mg/L	2.69	0.692	2.00	100	90 - 110	X419118 - X4E0125-04	08-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.04	<0.100	4.00	101	90 - 110	X419118 - X4E0125-07	08-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.72	0.692	4.00	101	90 - 110	X419118 - X4E0125-04	08-May-24	
EPA 300.0	Nitrite as N	mg/L	2.05	<0.050	2.00	102	90 - 110	X419118 - X4E0125-07	08-May-24	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X419118 - X4E0125-04	08-May-24	

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	10.5	<0.30	10.0	103	90 - 110	X419118 - X4E0125-07	08-May-24	
EPA 300.0	Sulfate as SO4	mg/L	30.6	20.5	10.0	101	90 - 110	X419118 - X4E0125-04	08-May-24	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	488	498	20.0	2.0	20	106	X420003 - X4E0125-01	D2
EPA 200.7	Magnesium	mg/L	212	208	20.0	1.8	20	98.0	X420003 - X4E0125-01	
EPA 200.7	Potassium	mg/L	26.6	27.6	20.0	3.6	20	105	X420003 - X4E0125-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.07	1.08	1.00	0.7	20	95.9	X419175 - X4E0098-01	
EPA 200.7	Barium	mg/L	1.01	1.01	1.00	0.1	20	96.9	X419175 - X4E0098-01	
EPA 200.7	Beryllium	mg/L	0.986	0.993	1.00	0.8	20	98.6	X419175 - X4E0098-01	
EPA 200.7	Boron	mg/L	1.09	1.10	1.00	0.6	20	99.9	X419175 - X4E0098-01	
EPA 200.7	Cadmium	mg/L	0.954	0.960	1.00	0.7	20	95.4	X419175 - X4E0098-01	
EPA 200.7	Calcium	mg/L	112	112	20.0	0.6	20	98.6	X419175 - X4E0098-01	
EPA 200.7	Chromium	mg/L	0.971	0.974	1.00	0.3	20	97.1	X419175 - X4E0098-01	
EPA 200.7	Cobalt	mg/L	0.955	0.960	1.00	0.6	20	94.0	X419175 - X4E0098-01	
EPA 200.7	Copper	mg/L	0.982	1.00	1.00	1.9	20	97.4	X419175 - X4E0098-01	
EPA 200.7	Iron	mg/L	9.75	9.72	10.0	0.3	20	97.5	X419175 - X4E0098-01	
EPA 200.7	Lead	mg/L	0.945	0.950	1.00	0.5	20	94.5	X419175 - X4E0098-01	
EPA 200.7	Lithium	mg/L	0.965	0.973	1.00	0.8	20	93.3	X419175 - X4E0098-01	
EPA 200.7	Magnesium	mg/L	40.6	40.6	20.0	0.1	20	96.7	X419175 - X4E0098-01	
EPA 200.7	Manganese	mg/L	5.18	5.23	1.00	1.0	20	95.5	X419175 - X4E0098-01	
EPA 200.7	Molybdenum	mg/L	0.980	0.979	1.00	0.1	20	98.0	X419175 - X4E0098-01	
EPA 200.7	Nickel	mg/L	0.954	0.959	1.00	0.5	20	93.1	X419175 - X4E0098-01	
EPA 200.7	Potassium	mg/L	25.8	25.7	20.0	0.3	20	99.4	X419175 - X4E0098-01	
EPA 200.7	Silver	mg/L	0.0500	0.0497	0.0500	0.6	20	100	X419175 - X4E0098-01	
EPA 200.7	Sodium	mg/L	120	121	19.0	0.3	20	95.7	X419175 - X4E0098-01	
EPA 200.7	Vanadium	mg/L	0.990	0.993	1.00	0.4	20	99.0	X419175 - X4E0098-01	
EPA 200.7	Zinc	mg/L	1.21	1.23	1.00	1.1	20	96.4	X419175 - X4E0098-01	
EPA 200.8	Antimony	mg/L	<0.100	<0.100	0.0250	N/A	20	N/A	X419226 - X4E0125-01	D1,M4
EPA 200.8	Arsenic	mg/L	<0.100	<0.100	0.0250	10.9	20	123	X419226 - X4E0125-01	D1
EPA 200.8	Selenium	mg/L	<0.100	<0.100	0.0250	N/A	20	N/A	X419226 - X4E0125-01	D1,M4
EPA 200.8	Thallium	mg/L	0.0307	0.0301	0.0250	2.1	20	123	X419226 - X4E0125-01	D1
EPA 200.8	Uranium	mg/L	0.650	0.693	0.0250	6.4	20	0.30R>S	X419226 - X4E0125-01	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00203	0.00200	0.00200	1.2	20	101	X420050 - X4E0098-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0890	0.0900	0.100	1.1	11	89.0	X421014 - X4E0098-01	
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	0.105	0.100	4.9	11	100	X421015 - X4E0273-01	
EPA 335.4	Cyanide (total)	mg/L	0.0943	0.0937	0.100	0.6	20	94.3	X420008 - X4E0098-01	
EPA 350.1	Ammonia as N	mg/L	0.729	1.03	1.00	34.1	20	72.9	X419185 - X4E0125-04	M2,R2B
OIA 1677	Cyanide (WAD)	mg/L	0.0990	0.0890	0.100	10.6	11	98.0	X420066 - X4E0036-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	11.4	11.3	3.00	0.5	20	108	X419118 - X4E0125-07	
EPA 300.0	Fluoride	mg/L	2.07	2.05	2.00	0.8	20	101	X419118 - X4E0125-07	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Nitrate as N	mg/L	2.01	2.00	2.00	0.7	20	101	X419118 - X4E0125-07	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.08	4.04	4.00	0.9	20	102	X419118 - X4E0125-07	
EPA 300.0	Nitrite as N	mg/L	2.07	2.05	2.00	1.2	20	104	X419118 - X4E0125-07	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.5	10.0	0.1	20	104	X419118 - X4E0125-07	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4E0125**
Victor, CO 80860	Reported: 31-May-24 15:41

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
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.
Q24	COC was not relinquished by the client or an agent of the client.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-8B	X4E0174-01	Ground Water	09-May-24 08:07	PB	10-May-2024	
GVMW-8A	X4E0174-02	Ground Water	09-May-24 09:02	PB	10-May-2024	
GVMW-15B	X4E0174-03	Ground Water	09-May-24 10:50	PB	10-May-2024	
GVMW-15A	X4E0174-04	Ground Water	09-May-24 11:50	PB	10-May-2024	
OSABH-17	X4E0174-05	Ground Water	09-May-24 13:00	PB	10-May-2024	Q5,Q5C

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

Case Narrative: X4E0174

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: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4E0174-01 (Ground Water)**

Sampled: 09-May-24 08:07
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	42.0	mg/L	0.100	0.069		X420005	NMS	05/14/24 13:57	
EPA 200.7	**Magnesium**	6.55	mg/L	0.500	0.090		X420005	NMS	05/14/24 13:57	
EPA 200.7	**Potassium**	1.47	mg/L	0.50	0.18		X420005	NMS	05/14/24 13:57	
SM 2340 B	**Hardness (as CaCO3)**	141	mg/L	2.31	0.543		N/A		05/14/24 13:57	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X420017	NMS	05/14/24 14:39	
EPA 200.7	**Barium**	0.0095	mg/L	0.0020	0.0019		X420017	NMS	05/14/24 14:39	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X420017	NMS	05/14/24 14:39	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X420017	NMS	05/14/24 14:39	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X420017	NMS	05/14/24 14:39	
EPA 200.7	**Calcium**	45.4	mg/L	0.100	0.069		X420017	NMS	05/14/24 14:39	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X420017	NMS	05/14/24 14:39	
EPA 200.7	**Cobalt**	0.0078	mg/L	0.0060	0.0046		X420017	NMS	05/14/24 14:39	
EPA 200.7	**Copper**	0.0159	mg/L	0.0100	0.0027		X420017	NMS	05/14/24 14:39	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X420017	NMS	05/14/24 14:39	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X420017	NMS	05/20/24 12:59	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X420017	NMS	05/14/24 14:39	
EPA 200.7	**Magnesium**	6.78	mg/L	0.500	0.090		X420017	NMS	05/14/24 14:39	
EPA 200.7	**Manganese**	0.0135	mg/L	0.0080	0.0034		X420017	NMS	05/14/24 14:39	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X420017	NMS	05/14/24 14:39	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X420017	NMS	05/14/24 14:39	
EPA 200.7	**Potassium**	1.42	mg/L	0.50	0.18		X420017	NMS	05/14/24 14:39	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X420017	NMS	05/14/24 14:39	
EPA 200.7	**Sodium**	25.1	mg/L	0.50	0.12		X420017	NMS	05/14/24 14:39	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X420017	NMS	05/14/24 14:39	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X420017	NMS	05/14/24 14:39	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X419226	SMU	05/20/24 18:18	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X419226	SMU	05/20/24 18:18	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X419226	SMU	05/20/24 18:18	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X419226	SMU	05/20/24 18:18	
EPA 200.8	**Uranium**	0.00194	mg/L	0.000100	0.000052		X419226	SMU	05/20/24 18:18	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420170	MAC	05/24/24 12:08	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 13:05	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 11:08	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X420027	JPM	05/15/24 08:57	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420067	DD	05/15/24 11:43	
SM 2310 B	**Acidity to pH 8.3**	-36.9	mg/L as CaCO3	10.0			X420198	MWD	05/17/24 10:32	
SM 2320 B	**Total Alkalinity**	32.9	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:27	
SM 2320 B	**Bicarbonate**	32.9	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:27	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:27	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:27	
SM 2540 C	**Total Diss. Solids**	280	mg/L	10			X420009	TJL	05/14/24 14:40	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X420010	TJL	05/14/24 15:05	
SM 4500 H B	**pH @20.7°C**	6.9	pH Units				X420038	MWD	05/14/24 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: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4E0174-01 (Ground Water)**

Sampled: 09-May-24 08:07
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	25.3	mg/L	2.00	0.22	10	X419200	RS	05/10/24 11:39	D2,M4
EPA 300.0	**Fluoride**	2.29	mg/L	0.100	0.017		X419200	RS	05/10/24 11:21	
EPA 300.0	**Nitrate as N**	2.01	mg/L	0.050	0.013		X419200	RS	05/10/24 11:21	
EPA 300.0	**Nitrate+Nitrite as N**	2.01	mg/L	0.100	0.044		X419200	RS	05/10/24 11:21	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X419200	RS	05/10/24 11:21	
EPA 300.0	**Sulfate as SO4**	119	mg/L	3.00	1.80	10	X419200	RS	05/10/24 11:39	D2,M4
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.78 meq/L Anion Sum: 4.11 meq/L C/A Balance: -4.26 % Calculated TDS: 252 TDS/cTDS: 1.11

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

Dave Tryon
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4E0174-02 (Ground Water)**

Sampled: 09-May-24 09:02
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	47.6	mg/L	0.100	0.069		X420005	NMS	05/14/24 14:00	
EPA 200.7	**Magnesium**	5.97	mg/L	0.500	0.090		X420005	NMS	05/14/24 14:00	
EPA 200.7	**Potassium**	0.86	mg/L	0.50	0.18		X420005	NMS	05/14/24 14:00	
SM 2340 B	**Hardness (as CaCO3)**	155	mg/L	2.31	0.543		N/A		05/14/24 14:43	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X420017	NMS	05/14/24 14:43	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X420017	NMS	05/14/24 14:43	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X420017	NMS	05/14/24 14:43	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X420017	NMS	05/14/24 14:43	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X420017	NMS	05/14/24 14:43	
EPA 200.7	**Calcium**	52.1	mg/L	0.100	0.069		X420017	NMS	05/14/24 14:43	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X420017	NMS	05/14/24 14:43	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X420017	NMS	05/14/24 14:43	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X420017	NMS	05/14/24 14:43	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X420017	NMS	05/14/24 14:43	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X420017	NMS	05/20/24 13:03	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X420017	NMS	05/14/24 14:43	
EPA 200.7	**Magnesium**	6.22	mg/L	0.500	0.090		X420017	NMS	05/14/24 14:43	
EPA 200.7	**Manganese**	0.0114	mg/L	0.0080	0.0034		X420017	NMS	05/14/24 14:43	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X420017	NMS	05/14/24 14:43	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X420017	NMS	05/14/24 14:43	
EPA 200.7	**Potassium**	0.73	mg/L	0.50	0.18		X420017	NMS	05/14/24 14:43	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X420017	NMS	05/14/24 14:43	
EPA 200.7	**Sodium**	25.3	mg/L	0.50	0.12		X420017	NMS	05/14/24 14:43	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X420017	NMS	05/14/24 14:43	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X420017	NMS	05/14/24 14:43	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X419226	SMU	05/20/24 18:28	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X419226	SMU	05/20/24 18:28	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X419226	SMU	05/20/24 18:28	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X419226	SMU	05/20/24 18:28	
EPA 200.8	**Uranium**	0.00465	mg/L	0.000100	0.000052		X419226	SMU	05/20/24 18:28	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420170	MAC	05/24/24 12:10	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 15:04	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 11:11	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X420027	JPM	05/15/24 08:59	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420067	DD	05/15/24 11:45	
SM 2310 B	**Acidity to pH 8.3**	-51.3	mg/L as CaCO3	10.0			X420198	MWD	05/17/24 10:32	
SM 2320 B	**Total Alkalinity**	48.5	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:32	
SM 2320 B	**Bicarbonate**	48.5	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:32	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:32	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:32	
SM 2540 C	**Total Diss. Solids**	288	mg/L	10			X420009	TJL	05/14/24 14:40	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X420010	TJL	05/14/24 15:05	
SM 4500 H B	**pH @20.6°C**	7.0	pH Units				X420038	MWD	05/14/24 12:32	H5

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4E0174-02 (Ground Water)**

Sampled: 09-May-24 09:02
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	67.7	mg/L	2.00	0.22	10	X419200	RS	05/10/24 14:07	D2
EPA 300.0	**Fluoride**	1.92	mg/L	0.100	0.017		X419200	RS	05/10/24 13:48	
EPA 300.0	**Nitrate as N**	1.35	mg/L	0.050	0.013		X419200	RS	05/10/24 13:48	
EPA 300.0	**Nitrate+Nitrite as N**	1.35	mg/L	0.100	0.044		X419200	RS	05/10/24 13:48	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X419200	RS	05/10/24 13:48	
EPA 300.0	**Sulfate as SO4**	60.3	mg/L	3.00	1.80	10	X419200	RS	05/10/24 14:07	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.00 meq/L Anion Sum: 4.33 meq/L C/A Balance: -3.99 % Calculated TDS: 247 TDS/cTDS: 1.17

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

Dave Tryon
Project Manager

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X4E0174-03 (Ground Water)**

Sampled: 09-May-24 10:50
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	34.2	mg/L	0.100	0.069		X420005	NMS	05/14/24 14:04	
EPA 200.7	**Magnesium**	19.0	mg/L	0.500	0.090		X420005	NMS	05/14/24 14:04	
EPA 200.7	**Potassium**	2.09	mg/L	0.50	0.18		X420005	NMS	05/14/24 14:04	
SM 2340 B	**Hardness (as CaCO3)**	166	mg/L	2.31	0.543		N/A		05/14/24 14:04	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.350	mg/L	0.080	0.054		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Barium**	0.0136	mg/L	0.0020	0.0019		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Beryllium**	0.0361	mg/L	0.00200	0.00080		X420017	NMS	05/14/24 14:47	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X420017	NMS	05/14/24 14:47	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Calcium**	37.6	mg/L	0.100	0.069		X420017	NMS	05/14/24 14:47	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Cobalt**	0.0637	mg/L	0.0060	0.0046		X420017	NMS	05/14/24 14:47	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Iron**	20.0	mg/L	0.100	0.056		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Lead**	0.0326	mg/L	0.0075	0.0049		X420017	NMS	05/20/24 13:07	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Magnesium**	19.6	mg/L	0.500	0.090		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Manganese**	1.21	mg/L	0.0080	0.0034		X420017	NMS	05/14/24 14:47	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Nickel**	0.105	mg/L	0.0100	0.0048		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Potassium**	2.25	mg/L	0.50	0.18		X420017	NMS	05/14/24 14:47	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Sodium**	12.4	mg/L	0.50	0.12		X420017	NMS	05/14/24 14:47	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X420017	NMS	05/14/24 14:47	
EPA 200.7	**Zinc**	1.18	mg/L	0.0100	0.0054		X420017	NMS	05/14/24 14:47	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X419226	SMU	05/20/24 18:30	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X419226	SMU	05/20/24 18:30	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X419226	SMU	05/20/24 18:30	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X419226	SMU	05/20/24 18:30	
EPA 200.8	**Uranium**	0.00323	mg/L	0.000100	0.000052		X419226	SMU	05/20/24 18:30	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420170	MAC	05/24/24 12:13	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 15:06	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 11:14	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X420027	JPM	05/15/24 09:01	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420067	DD	05/15/24 11:46	
SM 2310 B	**Acidity to pH 8.3**	43.0	mg/L as CaCO3	10.0			X420198	MWD	05/17/24 10:32	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:37	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:37	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:37	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:37	
SM 2540 C	**Total Diss. Solids**	391	mg/L	10			X420009	TJL	05/14/24 14:40	
SM 2540 D	**Total Susp. Solids**	5.0	mg/L	5.0			X420010	TJL	05/14/24 15:05	
SM 4500 H B	**pH @20.7°C**	3.9	pH Units				X420038	MWD	05/14/24 12:37	H5

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X4E0174-03 (Ground Water)**

Sampled: 09-May-24 10:50
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.03	mg/L	0.20	0.02		X419200	RS	05/10/24 15:02	
EPA 300.0	**Fluoride**	0.360	mg/L	0.100	0.017		X419200	RS	05/10/24 15:02	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X419200	RS	05/10/24 15:02	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X419200	RS	05/10/24 15:02	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X419200	RS	05/10/24 15:02	
EPA 300.0	**Sulfate as SO4**	249	mg/L	3.00	1.80	10	X419200	RS	05/10/24 15:20	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.72 meq/L Anion Sum: 5.26 meq/L C/A Balance: -5.33 % Calculated TDS: 320 TDS/cTDS: 1.22

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

Dave Tryon
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X4E0174-04 (Ground Water)**

Sampled: 09-May-24 11:50
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	17.9	mg/L	0.100	0.069		X420005	NMS	05/14/24 14:07	
EPA 200.7	**Magnesium**	16.4	mg/L	0.500	0.090		X420005	NMS	05/14/24 14:07	
EPA 200.7	**Potassium**	1.79	mg/L	0.50	0.18		X420005	NMS	05/14/24 14:07	
SM 2340 B	**Hardness (as CaCO3)**	112	mg/L	2.31	0.543		N/A		05/14/24 14:07	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Barium**	0.0535	mg/L	0.0020	0.0019		X420017	NMS	05/14/24 14:51	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X420017	NMS	05/14/24 14:51	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X420017	NMS	05/14/24 14:51	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Calcium**	19.0	mg/L	0.100	0.069		X420017	NMS	05/14/24 14:51	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Cobalt**	0.0238	mg/L	0.0060	0.0046		X420017	NMS	05/14/24 14:51	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Iron**	32.1	mg/L	0.100	0.056		X420017	NMS	05/14/24 14:51	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X420017	NMS	05/20/24 13:10	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Magnesium**	16.2	mg/L	0.500	0.090		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Manganese**	1.79	mg/L	0.0080	0.0034		X420017	NMS	05/14/24 14:51	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Nickel**	0.0538	mg/L	0.0100	0.0048		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Potassium**	1.82	mg/L	0.50	0.18		X420017	NMS	05/14/24 14:51	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Sodium**	12.9	mg/L	0.50	0.12		X420017	NMS	05/14/24 14:51	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X420017	NMS	05/14/24 14:51	
EPA 200.7	**Zinc**	0.239	mg/L	0.0100	0.0054		X420017	NMS	05/14/24 14:51	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X419226	SMU	05/20/24 18:33	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X419226	SMU	05/20/24 18:33	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X419226	SMU	05/20/24 18:33	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X419226	SMU	05/20/24 18:33	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X419226	SMU	05/20/24 18:33	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420170	MAC	05/24/24 12:15	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 15:08	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 11:28	
EPA 350.1	**Ammonia as N**	0.030	mg/L	0.030	0.013		X420027	JPM	05/15/24 09:03	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420067	DD	05/15/24 11:52	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X420198	MWD	05/17/24 10:32	
SM 2320 B	**Total Alkalinity**	9.2	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 13:12	
SM 2320 B	**Bicarbonate**	9.2	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 13:12	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 13:12	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 13:12	
SM 2540 C	**Total Diss. Solids**	298	mg/L	10			X420009	TJL	05/14/24 14:40	
SM 2540 D	**Total Susp. Solids**	31.0	mg/L	5.0			X420010	TJL	05/14/24 15:05	
SM 4500 H B	**pH @19.1°C**	6.0	pH Units				X420038	MWD	05/14/24 13:12	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: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X4E0174-04 (Ground Water)**

Sampled: 09-May-24 11:50
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.42	mg/L	0.20	0.02		X419200	RS	05/10/24 15:39	
EPA 300.0	**Fluoride**	0.290	mg/L	0.100	0.017		X419200	RS	05/10/24 15:39	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X419200	RS	05/10/24 15:39	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X419200	RS	05/10/24 15:39	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X419200	RS	05/10/24 15:39	
EPA 300.0	**Sulfate as SO4**	173	mg/L	3.00	1.80	10	X419200	RS	05/10/24 15:57	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.07 meq/L Anion Sum: 3.84 meq/L C/A Balance: 2.83 % Calculated TDS: 230 TDS/cTDS: 1.30

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

Dave Tryon
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4E0174-05 (Ground Water)**

Sampled: 09-May-24 13:00
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	384	mg/L	2.00	1.38	20	X420005	NMS	05/14/24 14:11	D1
EPA 200.7	**Magnesium**	823	mg/L	10.0	1.80	20	X420005	NMS	05/14/24 14:11	D2
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X420005	NMS	05/14/24 14:11	D1
SM 2340 B	**Hardness (as CaCO3)**	4450	mg/L	46.2	10.9		N/A		05/14/24 14:55	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	1710	mg/L	1.60	1.08	20	X420017	NMS	05/14/24 14:55	D2
EPA 200.7	Barium	< 0.0400	mg/L	0.0400	0.0380	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Beryllium**	0.417	mg/L	0.0400	0.0160	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	Boron	< 0.800	mg/L	0.800	0.156	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Cadmium**	4.22	mg/L	0.0400	0.0320	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Calcium**	425	mg/L	2.00	1.38	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Chromium**	0.280	mg/L	0.120	0.0400	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Cobalt**	8.83	mg/L	0.120	0.0920	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Copper**	7.24	mg/L	0.200	0.0540	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Iron**	36.1	mg/L	2.00	1.12	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	Lead	< 0.150	mg/L	0.150	0.0980	20	X420017	NMS	05/20/24 13:14	D1
EPA 200.7	**Lithium**	1.17	mg/L	0.800	0.500	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Magnesium**	819	mg/L	10.0	1.80	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Manganese**	619	mg/L	0.160	0.0680	20	X420017	NMS	05/14/24 14:55	D2
EPA 200.7	Molybdenum	< 0.160	mg/L	0.160	0.0680	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Nickel**	8.44	mg/L	0.200	0.0960	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	Silver	< 0.100	mg/L	0.100	0.0380	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Sodium**	11.3	mg/L	10.0	2.40	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	Vanadium	< 0.100	mg/L	0.100	0.0380	20	X420017	NMS	05/14/24 14:55	D1
EPA 200.7	**Zinc**	157	mg/L	0.200	0.108	20	X420017	NMS	05/14/24 14:55	D2
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X419226	SMU	05/20/24 19:03	D1
EPA 200.8	Arsenic	< 0.100	mg/L	0.100	0.0210	100	X419226	SMU	05/20/24 19:03	D1
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X419226	SMU	05/20/24 19:03	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X419226	SMU	05/20/24 19:03	D1
EPA 200.8	**Uranium**	5.20	mg/L	0.0100	0.00520	100	X419226	SMU	05/20/24 19:03	D2
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420170	MAC	05/24/24 12:17	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 15:10	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 11:30	
EPA 350.1	**Ammonia as N**	0.058	mg/L	0.030	0.013		X420027	JPM	05/15/24 09:14	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420067	DD	05/15/24 11:54	
SM 2310 B	**Acidity to pH 8.3**	10600	mg/L as CaCO3	10.0			X420198	MWD	05/17/24 10:32	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:47	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:47	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:47	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X420038	MWD	05/14/24 12:47	
SM 2540 C	**Total Diss. Solids**	21300	mg/L	100			X420009	TJL	05/14/24 14:40	D2,E11
SM 2540 D	**Total Susp. Solids**	35.0	mg/L	5.0			X420010	TJL	05/14/24 15:05	
SM 4500 H B	**pH @20.8°C**	3.1	pH Units				X420038	MWD	05/14/24 12:47	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: **X4E0174**
Reported: 29-May-24 17:19

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4E0174-05 (Ground Water)**

Sampled: 09-May-24 13:00
Received: 10-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	30.6	mg/L	2.00	0.22	10	X419200	RS	05/10/24 16:16	D2
EPA 300.0	Fluoride	< 1.00	mg/L	1.00	0.170	10	X419200	RS	05/10/24 16:16	D1
EPA 300.0	**Nitrate as N**	4.12	mg/L	0.500	0.130	10	X419200	RS	05/10/24 16:16	D1
EPA 300.0	**Nitrate+Nitrite as N**	4.12	mg/L	1.00	0.440	10	X419200	RS	05/10/24 16:16	D1
EPA 300.0	Nitrite as N	< 0.500	mg/L	0.500	0.310	10	X419200	RS	05/10/24 16:16	D1
EPA 300.0	**Sulfate as SO4**	15800	mg/L	150	90.0	500	X419200	RS	05/13/24 10:20	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 306 meq/L Anion Sum: 330 meq/L C/A Balance: -3.74 % Calculated TDS: 17086 TDS/cTDS: 1.25

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

Dave Tryon
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X420005	14-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X420005	14-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X420005	14-May-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X420017	14-May-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X420017	14-May-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X420017	14-May-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X420017	14-May-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X420017	14-May-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X420017	14-May-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X420017	14-May-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X420017	14-May-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X420017	14-May-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X420017	14-May-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X420017	14-May-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X420017	14-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X420017	14-May-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X420017	14-May-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X420017	14-May-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X420017	14-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X420017	14-May-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X420017	14-May-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X420017	14-May-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X420017	14-May-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X420017	14-May-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X419226	20-May-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X419226	20-May-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X419226	20-May-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X419226	20-May-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X419226	20-May-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X421015	28-May-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X420008	14-May-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X420027	15-May-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X420067	15-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X420198	17-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X420038	14-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X420038	14-May-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X420038	14-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X420038	14-May-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X420009	14-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X420010	14-May-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X419200	10-May-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X419200	10-May-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X419200	10-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X419200	10-May-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X419200	10-May-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X419200	10-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.3	20.0	96	85 - 115	X420005	14-May-24	
EPA 200.7	Magnesium	mg/L	19.4	20.0	97.1	85 - 115	X420005	14-May-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.2	85 - 115	X420005	14-May-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.02	1.00	102	85 - 115	X420017	14-May-24	
EPA 200.7	Barium	mg/L	1.00	1.00	100	85 - 115	X420017	14-May-24	
EPA 200.7	Beryllium	mg/L	1.05	1.00	105	85 - 115	X420017	14-May-24	
EPA 200.7	Boron	mg/L	1.05	1.00	105	85 - 115	X420017	14-May-24	
EPA 200.7	Cadmium	mg/L	1.03	1.00	103	85 - 115	X420017	14-May-24	
EPA 200.7	Calcium	mg/L	20.0	20.0	99.9	85 - 115	X420017	14-May-24	
EPA 200.7	Chromium	mg/L	1.03	1.00	103	85 - 115	X420017	14-May-24	
EPA 200.7	Cobalt	mg/L	1.01	1.00	101	85 - 115	X420017	14-May-24	
EPA 200.7	Copper	mg/L	1.00	1.00	100	85 - 115	X420017	14-May-24	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X420017	14-May-24	
EPA 200.7	Lead	mg/L	0.972	1.00	97.2	85 - 115	X420017	14-May-24	
EPA 200.7	Lithium	mg/L	1.01	1.00	101	85 - 115	X420017	14-May-24	
EPA 200.7	Magnesium	mg/L	20.0	20.0	100	85 - 115	X420017	14-May-24	
EPA 200.7	Manganese	mg/L	1.02	1.00	102	85 - 115	X420017	14-May-24	
EPA 200.7	Molybdenum	mg/L	1.05	1.00	105	85 - 115	X420017	14-May-24	
EPA 200.7	Nickel	mg/L	1.01	1.00	101	85 - 115	X420017	14-May-24	
EPA 200.7	Potassium	mg/L	20.0	20.0	100	85 - 115	X420017	14-May-24	
EPA 200.7	Silver	mg/L	0.0507	0.0500	101	85 - 115	X420017	14-May-24	
EPA 200.7	Sodium	mg/L	19.0	19.0	99.8	85 - 115	X420017	14-May-24	
EPA 200.7	Vanadium	mg/L	1.04	1.00	104	85 - 115	X420017	14-May-24	
EPA 200.7	Zinc	mg/L	1.03	1.00	103	85 - 115	X420017	14-May-24	
EPA 200.8	Antimony	mg/L	0.0262	0.0250	105	85 - 115	X419226	20-May-24	
EPA 200.8	Arsenic	mg/L	0.0247	0.0250	99.0	85 - 115	X419226	20-May-24	
EPA 200.8	Selenium	mg/L	0.0237	0.0250	94.8	85 - 115	X419226	20-May-24	
EPA 200.8	Thallium	mg/L	0.0243	0.0250	97.2	85 - 115	X419226	20-May-24	
EPA 200.8	Uranium	mg/L	0.0247	0.0250	98.6	85 - 115	X419226	20-May-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00210	0.00200	105	85 - 115	X420170	24-May-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X421015	28-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.0960	0.100	96.0	90 - 110	X420008	14-May-24	
EPA 350.1	Ammonia as N	mg/L	0.997	1.00	99.7	90 - 110	X420027	15-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X420067	15-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	879	884	99.5	95.4 - 104	X420198	17-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.90	9.93	99.7	96.4 - 105	X420038	14-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	102	96.4 - 105	X420038	14-May-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X420010	14-May-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.10	3.00	103	90 - 110	X419200	10-May-24	
EPA 300.0	Fluoride	mg/L	2.06	2.00	103	90 - 110	X419200	10-May-24	
EPA 300.0	Nitrate as N	mg/L	2.10	2.00	105	90 - 110	X419200	10-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.68	4.50	104	90 - 110	X419200	10-May-24	
EPA 300.0	Nitrite as N	mg/L	2.59	2.50	103	90 - 110	X419200	10-May-24	
EPA 300.0	Sulfate as SO4	mg/L	10.6	10.0	106	90 - 110	X419200	10-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X420198 - X4E0157-01	17-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	32.9	32.9	0.0	20	X420038 - X4E0174-01	14-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	32.9	32.9	0.0	20	X420038 - X4E0174-01	14-May-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X420038 - X4E0174-01	14-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X420038 - X4E0174-01	14-May-24	
SM 2540 C	Total Diss. Solids	mg/L	283	288	1.8	10	X420009 - X4E0174-02	14-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X420010 - X4E0174-02	14-May-24	
SM 4500 H B	pH @20.6°C	pH Units	6.8	6.9	1.0	20	X420038 - X4E0174-01	14-May-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	61.1	42.0	20.0	96	70 - 130	X420005 - X4E0174-01	14-May-24	
EPA 200.7	Magnesium	mg/L	26.1	6.55	20.0	97.6	70 - 130	X420005 - X4E0174-01	14-May-24	
EPA 200.7	Potassium	mg/L	20.7	1.47	20.0	96.3	70 - 130	X420005 - X4E0174-01	14-May-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	<0.080	1.00	101	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Aluminum	mg/L	28.3	28.2	1.00	0.30R>S	70 - 130	X420017 - X4E0177-09	14-May-24	M3
EPA 200.7	Barium	mg/L	1.01	0.0214	1.00	99.1	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Barium	mg/L	1.01	0.0158	1.00	99.0	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Beryllium	mg/L	1.03	<0.00200	1.00	103	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Beryllium	mg/L	1.02	0.00397	1.00	102	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Boron	mg/L	1.06	0.0527	1.00	101	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Boron	mg/L	1.04	<0.0400	1.00	102	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Cadmium	mg/L	0.969	<0.0020	1.00	96.9	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Cadmium	mg/L	1.01	0.0378	1.00	97.5	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Calcium	mg/L	112	92.8	20.0	94.6	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Calcium	mg/L	108	89.4	20.0	90.8	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Chromium	mg/L	0.991	<0.0060	1.00	99.1	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Chromium	mg/L	0.979	<0.0060	1.00	97.9	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Cobalt	mg/L	0.936	<0.0060	1.00	93.6	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Cobalt	mg/L	1.11	0.151	1.00	96.1	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Copper	mg/L	0.981	<0.0100	1.00	97.4	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Copper	mg/L	2.78	1.93	1.00	84.2	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Iron	mg/L	10.1	<0.100	10.0	101	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Iron	mg/L	10.3	0.183	10.0	101	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Lead	mg/L	0.983	<0.0075	1.00	98.3	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Lead	mg/L	0.993	<0.0075	1.00	99.3	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Lithium	mg/L	0.962	<0.040	1.00	96.2	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Lithium	mg/L	1.03	<0.040	1.00	103	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Magnesium	mg/L	70.9	51.6	20.0	96.3	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Magnesium	mg/L	64.4	45.2	20.0	96.2	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Manganese	mg/L	1.10	0.122	1.00	98.1	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Manganese	mg/L	9.66	8.99	1.00	0.30R>S	70 - 130	X420017 - X4E0177-09	14-May-24	M3
EPA 200.7	Molybdenum	mg/L	0.986	<0.0080	1.00	98.6	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Molybdenum	mg/L	0.977	<0.0080	1.00	97.7	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Nickel	mg/L	0.932	<0.0100	1.00	93.2	70 - 130	X420017 - X4E0164-01	14-May-24	

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: **X4E0174**
Reported: 29-May-24 17:19

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Nickel	mg/L	1.00	0.0466	1.00	95.6	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Potassium	mg/L	24.9	4.53	20.0	102	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Potassium	mg/L	26.1	5.48	20.0	103	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Silver	mg/L	0.0481	<0.0050	0.0500	96.3	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Silver	mg/L	0.0464	<0.0050	0.0500	92.8	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Sodium	mg/L	48.2	29.6	19.0	98.1	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Sodium	mg/L	39.7	20.7	19.0	100	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Vanadium	mg/L	1.00	<0.0050	1.00	100	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Vanadium	mg/L	0.998	<0.0050	1.00	99.8	70 - 130	X420017 - X4E0177-09	14-May-24	
EPA 200.7	Zinc	mg/L	0.993	0.0177	1.00	97.5	70 - 130	X420017 - X4E0164-01	14-May-24	
EPA 200.7	Zinc	mg/L	9.79	9.54	1.00	0.30R>S	70 - 130	X420017 - X4E0177-09	14-May-24	M3
EPA 200.8	Antimony	mg/L	0.0259	<0.00100	0.0250	104	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Antimony	mg/L	<0.100	<0.100	0.0250	N/A	70 - 130	X419226 - X4E0125-01	20-May-24	D1,M4
EPA 200.8	Arsenic	mg/L	0.0259	<0.00100	0.0250	104	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Arsenic	mg/L	<0.100	<0.100	0.0250	137	70 - 130	X419226 - X4E0125-01	20-May-24	D1,M4
EPA 200.8	Selenium	mg/L	0.0253	<0.00100	0.0250	101	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Selenium	mg/L	<0.100	<0.100	0.0250	N/A	70 - 130	X419226 - X4E0125-01	20-May-24	D1,M4
EPA 200.8	Thallium	mg/L	0.0234	<0.000200	0.0250	93.6	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Thallium	mg/L	0.0301	<0.0200	0.0250	120	70 - 130	X419226 - X4E0125-01	20-May-24	D1
EPA 200.8	Uranium	mg/L	0.0264	0.00194	0.0250	97.9	70 - 130	X419226 - X4E0174-01	20-May-24	
EPA 200.8	Uranium	mg/L	0.693	0.663	0.0250	120	70 - 130	X419226 - X4E0125-01	20-May-24	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	105	70 - 130	X420170 - X4E0174-01	24-May-24	
EPA 245.1	Mercury	mg/L	0.00208	<0.000200	0.00200	104	70 - 130	X420170 - X4E0205-02	24-May-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.105	<0.0050	0.100	105	79 - 121	X421015 - X4E0273-01	28-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.0937	<0.0050	0.100	93.7	90 - 110	X420008 - X4E0098-01	14-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.0958	<0.0050	0.100	95.8	90 - 110	X420008 - X4E0098-02	14-May-24	
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	106	90 - 110	X420027 - X4E0174-02	15-May-24	
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	103	90 - 110	X420027 - X4E0174-03	15-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.104	<0.0050	0.100	104	82 - 118	X420067 - X4E0174-01	15-May-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	27.6	25.3	3.00	0.30R>S	90 - 110	X419200 - X4E0174-01	10-May-24	D2,M4
EPA 300.0	Fluoride	mg/L	4.37	2.29	2.00	104	90 - 110	X419200 - X4E0174-01	10-May-24	
EPA 300.0	Nitrate as N	mg/L	4.11	2.01	2.00	105	90 - 110	X419200 - X4E0174-01	10-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	6.14	2.01	4.00	103	90 - 110	X419200 - X4E0174-01	10-May-24	
EPA 300.0	Nitrite as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X419200 - X4E0174-01	10-May-24	
EPA 300.0	Sulfate as SO4	mg/L	126	119	10.0	0.30R>S	90 - 110	X419200 - X4E0174-01	10-May-24	D2,M4

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	61.1	61.1	20.0	0.1	20	96	X420005 - X4E0174-01	
EPA 200.7	Magnesium	mg/L	26.4	26.1	20.0	1.1	20	99.0	X420005 - X4E0174-01	
EPA 200.7	Potassium	mg/L	20.7	20.7	20.0	0.0	20	96.3	X420005 - X4E0174-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	1.01	1.00	0.1	20	101	X420017 - X4E0164-01	

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AZ:0538, **ID**:ID00019, **NV**:ID000192007A, **UT**(**TNI**):ID000192015-1, **WA**:C573

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0174**
Reported: 29-May-24 17:19

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Barium	mg/L	0.985	1.01	1.00	2.8	20	96.4	X420017 - X4E0164-01	
EPA 200.7	Beryllium	mg/L	1.04	1.03	1.00	1.0	20	104	X420017 - X4E0164-01	
EPA 200.7	Boron	mg/L	1.06	1.06	1.00	0.2	20	101	X420017 - X4E0164-01	
EPA 200.7	Cadmium	mg/L	0.972	0.969	1.00	0.4	20	97.2	X420017 - X4E0164-01	
EPA 200.7	Calcium	mg/L	112	112	20.0	0.2	20	93.7	X420017 - X4E0164-01	
EPA 200.7	Chromium	mg/L	0.994	0.991	1.00	0.3	20	99.4	X420017 - X4E0164-01	
EPA 200.7	Cobalt	mg/L	0.945	0.936	1.00	0.9	20	94.5	X420017 - X4E0164-01	
EPA 200.7	Copper	mg/L	0.982	0.981	1.00	0.1	20	97.5	X420017 - X4E0164-01	
EPA 200.7	Iron	mg/L	10.1	10.1	10.0	0.3	20	101	X420017 - X4E0164-01	
EPA 200.7	Lead	mg/L	0.970	0.983	1.00	1.4	20	97.0	X420017 - X4E0164-01	
EPA 200.7	Lithium	mg/L	0.954	0.962	1.00	0.8	20	95.4	X420017 - X4E0164-01	
EPA 200.7	Magnesium	mg/L	69.8	70.9	20.0	1.5	20	91.2	X420017 - X4E0164-01	
EPA 200.7	Manganese	mg/L	1.10	1.10	1.00	0.3	20	97.8	X420017 - X4E0164-01	
EPA 200.7	Molybdenum	mg/L	1.00	0.986	1.00	1.6	20	100	X420017 - X4E0164-01	
EPA 200.7	Nickel	mg/L	0.944	0.932	1.00	1.2	20	94.4	X420017 - X4E0164-01	
EPA 200.7	Potassium	mg/L	24.6	24.9	20.0	1.3	20	100	X420017 - X4E0164-01	
EPA 200.7	Silver	mg/L	0.0487	0.0481	0.0500	1.2	20	97.5	X420017 - X4E0164-01	
EPA 200.7	Sodium	mg/L	48.1	48.2	19.0	0.2	20	97.5	X420017 - X4E0164-01	
EPA 200.7	Vanadium	mg/L	1.00	1.00	1.00	0.4	20	100	X420017 - X4E0164-01	
EPA 200.7	Zinc	mg/L	1.01	0.993	1.00	1.3	20	98.8	X420017 - X4E0164-01	
EPA 200.8	Antimony	mg/L	<0.100	<0.100	0.0250	N/A	20	N/A	X419226 - X4E0125-01	D1,M4
EPA 200.8	Arsenic	mg/L	<0.100	<0.100	0.0250	10.9	20	123	X419226 - X4E0125-01	D1
EPA 200.8	Selenium	mg/L	<0.100	<0.100	0.0250	N/A	20	N/A	X419226 - X4E0125-01	D1,M4
EPA 200.8	Thallium	mg/L	0.0307	0.0301	0.0250	2.1	20	123	X419226 - X4E0125-01	D1
EPA 200.8	Uranium	mg/L	0.650	0.693	0.0250	6.4	20	0.30R>S	X419226 - X4E0125-01	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	0.00209	0.00200	0.6	20	104	X420170 - X4E0174-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	0.105	0.100	4.9	11	100	X421015 - X4E0273-01	
EPA 335.4	Cyanide (total)	mg/L	0.0943	0.0937	0.100	0.6	20	94.3	X420008 - X4E0098-01	
EPA 350.1	Ammonia as N	mg/L	1.01	1.06	1.00	4.7	20	101	X420027 - X4E0174-02	
OIA 1677	Cyanide (WAD)	mg/L	0.115	0.104	0.100	10.0	11	115	X420067 - X4E0174-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	27.8	27.6	3.00	0.7	20	0.30R>S	X419200 - X4E0174-01	D2,M4
EPA 300.0	Fluoride	mg/L	4.38	4.37	2.00	0.3	20	104	X419200 - X4E0174-01	
EPA 300.0	Nitrate as N	mg/L	4.14	4.11	2.00	0.7	20	106	X419200 - X4E0174-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	6.21	6.14	4.00	1.0	20	105	X419200 - X4E0174-01	
EPA 300.0	Nitrite as N	mg/L	2.07	2.04	2.00	1.6	20	103	X419200 - X4E0174-01	
EPA 300.0	Sulfate as SO4	mg/L	127	126	10.0	0.5	20	0.30R>S	X419200 - X4E0174-01	D2,M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4E0174**
Victor, CO 80860	Reported: 29-May-24 17:19

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
E11	Sample exceeds method-specified limit for solids content.
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.
Q5C	After two pH adjustments, the method-specified pH was not achieved.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-7B	X4E0205-01	Ground Water	13-May-24 09:14	PB	14-May-2024	
GVMW-7A	X4E0205-02	Ground Water	13-May-24 10:11	PB	14-May-2024	
GVMW-4A	X4E0205-03	Ground Water	13-May-24 11:38	PB	14-May-2024	
GVMW-10	X4E0205-04	Ground Water	13-May-24 13:07	PB	14-May-2024	

Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
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Case Narrative: X4E0205

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: **X4E0205**
Reported: 29-May-24 16:45

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4E0205-01 (Ground Water)**

Sampled: 13-May-24 09:14
Received: 14-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	102	mg/L	0.100	0.069		X420126	NMS	05/16/24 15:57	
EPA 200.7	**Magnesium**	43.6	mg/L	0.500	0.090		X420126	NMS	05/16/24 15:57	
EPA 200.7	**Potassium**	1.69	mg/L	0.50	0.18		X420126	NMS	05/16/24 15:57	
SM 2340 B	**Hardness (as CaCO3)**	416	mg/L	2.31	0.543		N/A		05/20/24 15:47	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X420119	NMS	05/20/24 15:47	
EPA 200.7	**Barium**	0.0478	mg/L	0.0020	0.0019		X420119	NMS	05/20/24 15:47	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X420119	NMS	05/20/24 15:47	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X420119	NMS	05/20/24 15:47	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X420119	NMS	05/20/24 15:47	
EPA 200.7	**Calcium**	94.9	mg/L	0.100	0.069		X420119	NMS	05/20/24 15:47	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X420119	NMS	05/20/24 15:47	
EPA 200.7	**Cobalt**	0.0065	mg/L	0.0060	0.0046		X420119	NMS	05/20/24 15:47	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X420119	NMS	05/20/24 15:47	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X420119	NMS	05/20/24 15:47	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X420119	NMS	05/20/24 15:47	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X420119	NMS	05/20/24 15:47	
EPA 200.7	**Magnesium**	42.8	mg/L	0.500	0.090		X420119	NMS	05/20/24 15:47	
EPA 200.7	**Manganese**	0.0396	mg/L	0.0080	0.0034		X420119	NMS	05/20/24 15:47	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X420119	NMS	05/20/24 15:47	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X420119	NMS	05/20/24 15:47	
EPA 200.7	**Potassium**	1.59	mg/L	0.50	0.18		X420119	NMS	05/20/24 15:47	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X420119	NMS	05/20/24 15:47	
EPA 200.7	**Sodium**	15.2	mg/L	0.50	0.12		X420119	NMS	05/20/24 15:47	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X420119	NMS	05/20/24 15:47	
EPA 200.7	**Zinc**	0.0132	mg/L	0.0100	0.0054		X420119	NMS	05/20/24 15:47	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X421053	SMU	05/28/24 10:09	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X421053	SMU	05/28/24 10:09	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X421053	SMU	05/28/24 10:09	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X421053	SMU	05/28/24 10:09	
EPA 200.8	**Uranium**	0.00993	mg/L	0.000100	0.000052		X421053	SMU	05/28/24 10:09	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420170	MAC	05/24/24 12:25	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X422011	DD	05/28/24 15:44	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X421003	JPM	05/21/24 10:17	B10
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X420104	JPM	05/15/24 10:11	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420067	DD	05/15/24 11:55	
SM 2310 B	**Acidity to pH 8.3**	-109	mg/L as CaCO3	10.0			X420199	MWD	05/17/24 10:27	
SM 2320 B	**Total Alkalinity**	107	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:34	
SM 2320 B	**Bicarbonate**	107	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:34	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:34	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:34	
SM 2540 C	**Total Diss. Solids**	653	mg/L	10			X420095	TJL	05/16/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X420097	TJL	05/17/24 16:50	
SM 4500 H B	**pH @22.4°C**	7.4	pH Units				X420133	MWD	05/15/24 16:34	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: **X4E0205**
Reported: 29-May-24 16:45

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4E0205-01 (Ground Water)**

Sampled: 13-May-24 09:14
Received: 14-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	82.9	mg/L	2.00	0.22	10	X420051	RS	05/14/24 13:28	D2
EPA 300.0	**Fluoride**	0.329	mg/L	0.100	0.017		X420051	RS	05/14/24 13:10	
EPA 300.0	**Nitrate as N**	0.409	mg/L	0.050	0.013		X420051	RS	05/14/24 13:10	
EPA 300.0	**Nitrate+Nitrite as N**	0.409	mg/L	0.100	0.044		X420051	RS	05/14/24 13:10	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X420051	RS	05/14/24 13:10	
EPA 300.0	**Sulfate as SO4**	238	mg/L	3.00	1.80	10	X420051	RS	05/14/24 13:28	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 8.98 meq/L Anion Sum: 9.48 meq/L C/A Balance: -2.73 % Calculated TDS: 546 TDS/cTDS: 1.20

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

Dave Tryon
Project Manager

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4E0205-02 (Ground Water)**

Sampled: 13-May-24 10:11
Received: 14-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	39.4	mg/L	0.100	0.069		X420126	NMS	05/16/24 16:01	
EPA 200.7	**Magnesium**	16.9	mg/L	0.500	0.090		X420126	NMS	05/16/24 16:01	
EPA 200.7	**Potassium**	0.90	mg/L	0.50	0.18		X420126	NMS	05/16/24 16:01	
SM 2340 B	**Hardness (as CaCO3)**	168	mg/L	2.31	0.543		N/A		05/20/24 15:51	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X420119	NMS	05/20/24 15:51	
EPA 200.7	**Barium**	0.175	mg/L	0.0020	0.0019		X420119	NMS	05/20/24 15:51	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X420119	NMS	05/20/24 15:51	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X420119	NMS	05/20/24 15:51	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X420119	NMS	05/20/24 15:51	
EPA 200.7	**Calcium**	39.6	mg/L	0.100	0.069		X420119	NMS	05/20/24 15:51	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X420119	NMS	05/20/24 15:51	
EPA 200.7	**Cobalt**	0.0070	mg/L	0.0060	0.0046		X420119	NMS	05/20/24 15:51	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X420119	NMS	05/20/24 15:51	
EPA 200.7	**Iron**	1.05	mg/L	0.100	0.056		X420119	NMS	05/20/24 15:51	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X420119	NMS	05/20/24 15:51	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X420119	NMS	05/20/24 15:51	
EPA 200.7	**Magnesium**	18.6	mg/L	0.500	0.090		X420119	NMS	05/20/24 15:51	
EPA 200.7	**Manganese**	0.213	mg/L	0.0080	0.0034		X420119	NMS	05/20/24 15:51	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X420119	NMS	05/20/24 15:51	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X420119	NMS	05/20/24 15:51	
EPA 200.7	**Potassium**	0.95	mg/L	0.50	0.18		X420119	NMS	05/20/24 15:51	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X420119	NMS	05/20/24 15:51	
EPA 200.7	**Sodium**	9.54	mg/L	0.50	0.12		X420119	NMS	05/20/24 15:51	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X420119	NMS	05/20/24 15:51	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X420119	NMS	05/20/24 15:51	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X421053	SMU	05/28/24 10:16	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X421053	SMU	05/28/24 10:16	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X421053	SMU	05/28/24 10:16	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X421053	SMU	05/28/24 10:16	
EPA 200.8	**Uranium**	0.00422	mg/L	0.000100	0.000052		X421053	SMU	05/28/24 10:16	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420170	MAC	05/24/24 12:28	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X422011	DD	05/28/24 15:46	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X421003	JPM	05/21/24 10:19	B10
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X420104	JPM	05/15/24 10:13	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420067	DD	05/15/24 11:57	
SM 2310 B	**Acidity to pH 8.3**	-166	mg/L as CaCO3	10.0			X420199	MWD	05/17/24 10:27	
SM 2320 B	**Total Alkalinity**	162	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:39	
SM 2320 B	**Bicarbonate**	162	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:39	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:39	
SM 2540 C	**Total Diss. Solids**	217	mg/L	10			X420095	TJL	05/16/24 14:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X420097	TJL	05/17/24 16:50	
SM 4500 H B	**pH @22.4°C**	7.7	pH Units				X420133	MWD	05/15/24 16:39	H5,R2B

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: **X4E0205**
Reported: 29-May-24 16:45

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4E0205-02 (Ground Water)**

Sampled: 13-May-24 10:11
Received: 14-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	9.90	mg/L	0.20	0.02		X420051	RS	05/14/24 14:23	
EPA 300.0	**Fluoride**	0.896	mg/L	0.100	0.017		X420051	RS	05/14/24 14:23	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X420051	RS	05/14/24 14:23	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X420051	RS	05/14/24 14:23	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X420051	RS	05/14/24 14:23	
EPA 300.0	**Sulfate as SO4**	20.2	mg/L	0.30	0.18		X420051	RS	05/14/24 14:23	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.85 meq/L Anion Sum: 3.99 meq/L C/A Balance: -1.70 % Calculated TDS: 196 TDS/cTDS: 1.11

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

Dave Tryon
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4E0205-03 (Ground Water)**

Sampled: 13-May-24 11:38
Received: 14-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	16.3	mg/L	0.100	0.069		X420126	NMS	05/16/24 16:05	
EPA 200.7	**Magnesium**	10.3	mg/L	0.500	0.090		X420126	NMS	05/16/24 16:05	
EPA 200.7	**Potassium**	1.13	mg/L	0.50	0.18		X420126	NMS	05/16/24 16:05	
SM 2340 B	**Hardness (as CaCO3)**	84.6	mg/L	2.31	0.543		N/A		05/16/24 16:05	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X420119	NMS	05/20/24 15:55	
EPA 200.7	**Barium**	0.203	mg/L	0.0020	0.0019		X420119	NMS	05/20/24 15:55	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X420119	NMS	05/20/24 15:55	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X420119	NMS	05/20/24 15:55	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X420119	NMS	05/20/24 15:55	
EPA 200.7	**Calcium**	16.6	mg/L	0.100	0.069		X420119	NMS	05/20/24 15:55	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X420119	NMS	05/20/24 15:55	
EPA 200.7	**Cobalt**	0.0095	mg/L	0.0060	0.0046		X420119	NMS	05/20/24 15:55	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X420119	NMS	05/20/24 15:55	
EPA 200.7	**Iron**	8.16	mg/L	0.100	0.056		X420119	NMS	05/20/24 15:55	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X420119	NMS	05/20/24 15:55	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X420119	NMS	05/20/24 15:55	
EPA 200.7	**Magnesium**	10.5	mg/L	0.500	0.090		X420119	NMS	05/20/24 15:55	
EPA 200.7	**Manganese**	1.99	mg/L	0.0080	0.0034		X420119	NMS	05/20/24 15:55	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X420119	NMS	05/20/24 15:55	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X420119	NMS	05/20/24 15:55	
EPA 200.7	**Potassium**	1.17	mg/L	0.50	0.18		X420119	NMS	05/20/24 15:55	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X420119	NMS	05/20/24 15:55	
EPA 200.7	**Sodium**	8.41	mg/L	0.50	0.12		X420119	NMS	05/20/24 15:55	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X420119	NMS	05/20/24 15:55	
EPA 200.7	**Zinc**	0.0111	mg/L	0.0100	0.0054		X420119	NMS	05/20/24 15:55	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X421053	SMU	05/28/24 10:19	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X421053	SMU	05/28/24 10:19	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X421053	SMU	05/28/24 10:19	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X421053	SMU	05/28/24 10:19	
EPA 200.8	**Uranium**	0.000358	mg/L	0.000100	0.000052		X421053	SMU	05/28/24 10:19	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420170	MAC	05/24/24 12:30	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X422011	DD	05/28/24 15:48	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X421003	JPM	05/21/24 10:22	B10
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X420104	JPM	05/15/24 10:15	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420067	DD	05/15/24 11:58	
SM 2310 B	**Acidity to pH 8.3**	-65.6	mg/L as CaCO3	10.0			X420199	MWD	05/17/24 10:27	
SM 2320 B	**Total Alkalinity**	58.9	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:45	
SM 2320 B	**Bicarbonate**	58.9	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:45	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:45	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:45	
SM 2540 C	**Total Diss. Solids**	158	mg/L	10			X420095	TJL	05/16/24 14:30	
SM 2540 D	**Total Susp. Solids**	12.0	mg/L	5.0			X420097	TJL	05/17/24 16:50	
SM 4500 H B	**pH @22.5°C**	6.6	pH Units				X420133	MWD	05/15/24 16:45	H5

SVL holds the following certifications:
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4E0205-03 (Ground Water)**

Sampled: 13-May-24 11:38
Received: 14-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.78	mg/L	0.20	0.02		X420051	RS	05/14/24 11:20	
EPA 300.0	**Fluoride**	0.133	mg/L	0.100	0.017		X420051	RS	05/14/24 11:20	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X420051	RS	05/14/24 11:20	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X420051	RS	05/14/24 11:20	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X420051	RS	05/14/24 11:20	
EPA 300.0	**Sulfate as SO4**	50.7	mg/L	3.00	1.80	10	X420051	RS	05/14/24 11:38	D2,M4
Cation/Anion Balance and TDS Ratios										

Cation Sum: 2.43 meq/L Anion Sum: 2.35 meq/L C/A Balance: 1.78 % Calculated TDS: 126 TDS/cTDS: 1.25

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

Dave Tryon
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

Client Sample ID: **GVMW-10**
SVL Sample ID: **X4E0205-04 (Ground Water)**

Sampled: 13-May-24 13:07
Received: 14-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	326	mg/L	0.100	0.069		X420126	NMS	05/16/24 16:09	
EPA 200.7	**Magnesium**	122	mg/L	0.500	0.090		X420126	NMS	05/16/24 16:09	
EPA 200.7	**Potassium**	2.28	mg/L	0.50	0.18		X420126	NMS	05/16/24 16:09	
SM 2340 B	**Hardness (as CaCO3)**	1340	mg/L	2.31	0.543		N/A		05/16/24 16:09	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Barium**	0.0218	mg/L	0.0020	0.0019		X420119	NMS	05/20/24 15:59	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X420119	NMS	05/20/24 15:59	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X420119	NMS	05/20/24 15:59	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Calcium**	316	mg/L	0.100	0.069		X420119	NMS	05/20/24 15:59	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Cobalt**	0.0067	mg/L	0.0060	0.0046		X420119	NMS	05/20/24 15:59	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X420119	NMS	05/20/24 15:59	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X420119	NMS	05/20/24 15:59	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Lithium**	0.059	mg/L	0.040	0.025		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Magnesium**	128	mg/L	0.500	0.090		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Manganese**	0.233	mg/L	0.0080	0.0034		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Molybdenum**	0.0220	mg/L	0.0080	0.0034		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Nickel**	0.0102	mg/L	0.0100	0.0048		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Potassium**	2.49	mg/L	0.50	0.18		X420119	NMS	05/20/24 15:59	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Sodium**	53.3	mg/L	0.50	0.12		X420119	NMS	05/20/24 15:59	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X420119	NMS	05/20/24 15:59	
EPA 200.7	**Zinc**	0.0791	mg/L	0.0100	0.0054		X420119	NMS	05/20/24 15:59	
EPA 200.8	**Antimony**	0.00107	mg/L	0.00100	0.00072		X421053	SMU	05/28/24 10:21	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X421053	SMU	05/28/24 10:21	
EPA 200.8	**Selenium**	0.0133	mg/L	0.00100	0.00024		X421053	SMU	05/28/24 10:21	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X421053	SMU	05/28/24 10:21	
EPA 200.8	**Uranium**	0.0457	mg/L	0.000100	0.000052		X421053	SMU	05/28/24 10:21	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420170	MAC	05/24/24 12:32	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X422011	DD	05/28/24 15:56	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X421003	JPM	05/21/24 10:25	B10
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X420104	JPM	05/15/24 10:17	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420067	DD	05/15/24 12:00	
SM 2310 B	**Acidity to pH 8.3**	-274	mg/L as CaCO3	10.0			X420199	MWD	05/17/24 10:27	
SM 2320 B	**Total Alkalinity**	273	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:50	
SM 2320 B	**Bicarbonate**	273	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:50	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X420133	MWD	05/15/24 16:50	
SM 2540 C	**Total Diss. Solids**	1850	mg/L	40			X420095	TJL	05/16/24 14:30	D2
SM 2540 D	**Total Susp. Solids**	7.0	mg/L	5.0			X420097	TJL	05/17/24 16:50	
SM 4500 H B	**pH @22.5°C**	7.3	pH Units				X420133	MWD	05/15/24 16:50	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

Client Sample ID: **GVMW-10**
SVL Sample ID: **X4E0205-04 (Ground Water)**

Sampled: 13-May-24 13:07
Received: 14-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.66	mg/L	0.20	0.02		X420051	RS	05/14/24 15:00	
EPA 300.0	**Fluoride**	0.414	mg/L	0.100	0.017		X420051	RS	05/14/24 15:00	
EPA 300.0	**Nitrate as N**	0.317	mg/L	0.050	0.013		X420051	RS	05/14/24 15:00	
EPA 300.0	**Nitrate+Nitrite as N**	0.317	mg/L	0.100	0.044		X420051	RS	05/14/24 15:00	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X420051	RS	05/14/24 15:00	
EPA 300.0	**Sulfate as SO4**	1180	mg/L	15.0	9.00	50	X420051	RS	05/14/24 15:19	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 28.2 meq/L Anion Sum: 30.2 meq/L C/A Balance: -3.44 % Calculated TDS: 1853 TDS/cTDS: 1.00

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

Dave Tryon
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

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	X420126	16-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X420126	16-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X420126	16-May-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X420119	20-May-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X420119	20-May-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X420119	20-May-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X420119	20-May-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X420119	20-May-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X420119	20-May-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X420119	20-May-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X420119	20-May-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X420119	20-May-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X420119	20-May-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X420119	20-May-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X420119	20-May-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X420119	20-May-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X420119	20-May-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X420119	20-May-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X420119	20-May-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X420119	20-May-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X420119	20-May-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X420119	20-May-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X420119	20-May-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X420119	20-May-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X421053	28-May-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X421053	28-May-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X421053	28-May-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X421053	28-May-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X421053	28-May-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X422011	28-May-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X421003	21-May-24	B10
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X420104	15-May-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X420067	15-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X420199	17-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X420133	15-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X420133	15-May-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X420133	15-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X420133	15-May-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X420095	16-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X420097	17-May-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X420051	14-May-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X420051	14-May-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X420051	14-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X420051	14-May-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X420051	14-May-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X420051	14-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

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	20.2	20.0	101	85 - 115	X420126	16-May-24	
EPA 200.7	Magnesium	mg/L	19.7	20.0	98.6	85 - 115	X420126	16-May-24	
EPA 200.7	Potassium	mg/L	20.2	20.0	101	85 - 115	X420126	16-May-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.01	1.00	101	85 - 115	X420119	20-May-24	
EPA 200.7	Barium	mg/L	1.02	1.00	102	85 - 115	X420119	20-May-24	
EPA 200.7	Beryllium	mg/L	1.01	1.00	101	85 - 115	X420119	20-May-24	
EPA 200.7	Boron	mg/L	0.997	1.00	99.7	85 - 115	X420119	20-May-24	
EPA 200.7	Cadmium	mg/L	0.997	1.00	99.7	85 - 115	X420119	20-May-24	
EPA 200.7	Calcium	mg/L	20.3	20.0	101	85 - 115	X420119	20-May-24	
EPA 200.7	Chromium	mg/L	1.01	1.00	101	85 - 115	X420119	20-May-24	
EPA 200.7	Cobalt	mg/L	0.984	1.00	98.4	85 - 115	X420119	20-May-24	
EPA 200.7	Copper	mg/L	0.974	1.00	97.4	85 - 115	X420119	20-May-24	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X420119	20-May-24	
EPA 200.7	Lead	mg/L	0.994	1.00	99.4	85 - 115	X420119	20-May-24	
EPA 200.7	Lithium	mg/L	1.03	1.00	103	85 - 115	X420119	20-May-24	
EPA 200.7	Magnesium	mg/L	20.4	20.0	102	85 - 115	X420119	20-May-24	
EPA 200.7	Manganese	mg/L	1.01	1.00	101	85 - 115	X420119	20-May-24	
EPA 200.7	Molybdenum	mg/L	0.973	1.00	97.3	85 - 115	X420119	20-May-24	
EPA 200.7	Nickel	mg/L	0.987	1.00	98.7	85 - 115	X420119	20-May-24	
EPA 200.7	Potassium	mg/L	20.5	20.0	103	85 - 115	X420119	20-May-24	
EPA 200.7	Silver	mg/L	0.0505	0.0500	101	85 - 115	X420119	20-May-24	
EPA 200.7	Sodium	mg/L	19.1	19.0	100	85 - 115	X420119	20-May-24	
EPA 200.7	Vanadium	mg/L	1.01	1.00	101	85 - 115	X420119	20-May-24	
EPA 200.7	Zinc	mg/L	1.00	1.00	100	85 - 115	X420119	20-May-24	
EPA 200.8	Antimony	mg/L	0.0263	0.0250	105	85 - 115	X421053	28-May-24	
EPA 200.8	Arsenic	mg/L	0.0259	0.0250	104	85 - 115	X421053	28-May-24	
EPA 200.8	Selenium	mg/L	0.0254	0.0250	102	85 - 115	X421053	28-May-24	
EPA 200.8	Thallium	mg/L	0.0259	0.0250	103	85 - 115	X421053	28-May-24	
EPA 200.8	Uranium	mg/L	0.0261	0.0250	104	85 - 115	X421053	28-May-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00210	0.00200	105	85 - 115	X420170	24-May-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0950	0.100	95.0	90 - 110	X422011	28-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.0991	0.100	99.1	90 - 110	X421003	21-May-24	B10
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X420104	15-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X420067	15-May-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	879	884	99.5	95.4 - 104	X420199	17-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	102	96.4 - 105	X420133	15-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	409	397	103	96.4 - 105	X420133	15-May-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X420097	17-May-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.11	3.00	104	90 - 110	X420051	14-May-24	
EPA 300.0	Fluoride	mg/L	2.00	2.00	99.9	90 - 110	X420051	14-May-24	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X420051	14-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.58	4.50	102	90 - 110	X420051	14-May-24	
EPA 300.0	Nitrite as N	mg/L	2.52	2.50	101	90 - 110	X420051	14-May-24	
EPA 300.0	Sulfate as SO4	mg/L	10.6	10.0	106	90 - 110	X420051	14-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

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	X420199 - X4E0205-01	17-May-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	158	162	2.5	20	X420133 - X4E0205-02	15-May-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	158	162	2.5	20	X420133 - X4E0205-02	15-May-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X420133 - X4E0205-02	15-May-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X420133 - X4E0205-02	15-May-24	
SM 2540 C	Total Diss. Solids	mg/L	265	277	4.4	10	X420095 - X4E0222-28	16-May-24	
SM 2540 C	Total Diss. Solids	mg/L	425	433	1.9	10	X420095 - X4E0222-22	16-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X420097 - X4E0222-28	17-May-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X420097 - X4E0222-22	17-May-24	
SM 4500 H B	pH @22.5°C	pH Units	7.6	7.7	1.8	20	X420133 - X4E0205-02	15-May-24	R2B

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	26.6	6.15	20.0	102	70 - 130	X420126 - X4E0172-01	16-May-24	
EPA 200.7	Calcium	mg/L	99.7	77.4	20.0	112	70 - 130	X420126 - X4E0222-27	16-May-24	
EPA 200.7	Magnesium	mg/L	19.8	<0.500	20.0	97.7	70 - 130	X420126 - X4E0172-01	16-May-24	
EPA 200.7	Magnesium	mg/L	23.3	3.79	20.0	97.7	70 - 130	X420126 - X4E0222-27	16-May-24	
EPA 200.7	Potassium	mg/L	28.5	8.31	20.0	101	70 - 130	X420126 - X4E0172-01	16-May-24	
EPA 200.7	Potassium	mg/L	25.8	5.13	20.0	103	70 - 130	X420126 - X4E0222-27	16-May-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	<0.080	1.00	101	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Aluminum	mg/L	1.04	<0.080	1.00	104	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Barium	mg/L	1.06	0.0359	1.00	102	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Barium	mg/L	1.10	0.0465	1.00	105	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Beryllium	mg/L	1.03	<0.00200	1.00	103	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Beryllium	mg/L	1.06	<0.00200	1.00	106	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Boron	mg/L	1.07	0.0542	1.00	101	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Boron	mg/L	1.06	<0.0400	1.00	105	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Cadmium	mg/L	1.02	<0.0020	1.00	102	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Calcium	mg/L	111	90.7	20.0	100	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Calcium	mg/L	84.8	64.4	20.0	102	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Chromium	mg/L	1.03	0.0078	1.00	103	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Chromium	mg/L	1.06	<0.0060	1.00	106	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Cobalt	mg/L	0.979	<0.0060	1.00	97.9	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Cobalt	mg/L	1.00	<0.0060	1.00	100	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	100	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Copper	mg/L	1.03	<0.0100	1.00	103	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Lead	mg/L	0.998	<0.0075	1.00	99.8	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Lithium	mg/L	1.06	<0.040	1.00	106	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Lithium	mg/L	1.07	<0.040	1.00	107	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Magnesium	mg/L	43.9	23.9	20.0	100	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Magnesium	mg/L	62.3	41.4	20.0	105	70 - 130	X420119 - X4E0214-04	20-May-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.03	<0.0080	1.00	103	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Manganese	mg/L	1.06	<0.0080	1.00	106	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Molybdenum	mg/L	0.997	<0.0080	1.00	99.7	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Molybdenum	mg/L	1.04	<0.0080	1.00	104	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Nickel	mg/L	0.977	<0.0100	1.00	97.7	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Nickel	mg/L	1.01	<0.0100	1.00	101	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Potassium	mg/L	23.3	2.77	20.0	103	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Potassium	mg/L	21.9	0.94	20.0	105	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Silver	mg/L	0.0509	<0.0050	0.0500	102	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Silver	mg/L	0.0538	<0.0050	0.0500	108	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Sodium	mg/L	51.8	33.6	19.0	95.8	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Sodium	mg/L	22.7	3.05	19.0	103	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Vanadium	mg/L	1.03	<0.0050	1.00	103	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Vanadium	mg/L	1.06	<0.0050	1.00	106	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.7	Zinc	mg/L	1.00	<0.0100	1.00	100	70 - 130	X420119 - X4E0126-01	20-May-24	
EPA 200.7	Zinc	mg/L	1.21	0.184	1.00	102	70 - 130	X420119 - X4E0214-04	20-May-24	
EPA 200.8	Antimony	mg/L	0.0277	<0.00100	0.0250	111	70 - 130	X421053 - X4E0205-01	28-May-24	
EPA 200.8	Antimony	mg/L	<0.250	<0.250	0.0250	N/A	70 - 130	X421053 - X4E0241-01	28-May-24	D1,M4
EPA 200.8	Arsenic	mg/L	0.0270	<0.00100	0.0250	108	70 - 130	X421053 - X4E0205-01	28-May-24	
EPA 200.8	Arsenic	mg/L	<0.250	<0.250	0.0250	N/A	70 - 130	X421053 - X4E0241-01	28-May-24	D1,M4
EPA 200.8	Selenium	mg/L	0.0244	<0.00100	0.0250	96.0	70 - 130	X421053 - X4E0205-01	28-May-24	
EPA 200.8	Selenium	mg/L	<0.250	<0.250	0.0250	0.30R>S	70 - 130	X421053 - X4E0241-01	28-May-24	D1,M4
EPA 200.8	Thallium	mg/L	0.0253	<0.000200	0.0250	101	70 - 130	X421053 - X4E0205-01	28-May-24	
EPA 200.8	Thallium	mg/L	<0.0500	<0.0500	0.0250	138	70 - 130	X421053 - X4E0241-01	28-May-24	D1,M4
EPA 200.8	Uranium	mg/L	0.0362	0.00993	0.0250	105	70 - 130	X421053 - X4E0205-01	28-May-24	
EPA 200.8	Uranium	mg/L	3.64	3.74	0.0250	0.30R>S	70 - 130	X421053 - X4E0241-01	28-May-24	D1,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	105	70 - 130	X420170 - X4E0174-01	24-May-24	
EPA 245.1	Mercury	mg/L	0.00208	<0.000200	0.00200	104	70 - 130	X420170 - X4E0205-02	24-May-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0870	<0.0050	0.100	87.0	79 - 121	X422011 - X4E0435-07	28-May-24	
EPA 335.4	Cyanide (total)	mg/L	0.0973	<0.0050	0.100	97.3	90 - 110	X421003 - X4E0205-02	21-May-24	B10
EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X420104 - X4E0190-01	15-May-24	
EPA 350.1	Ammonia as N	mg/L	1.00	<0.030	1.00	98.6	90 - 110	X420104 - X4E0205-01	15-May-24	
OIA 1677	Cyanide (WAD)	mg/L	0.104	<0.0050	0.100	104	82 - 118	X420067 - X4E0174-01	15-May-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	6.97	3.78	3.00	107	90 - 110	X420051 - X4E0205-03	14-May-24	
EPA 300.0	Fluoride	mg/L	2.09	0.133	2.00	97.9	90 - 110	X420051 - X4E0205-03	14-May-24	
EPA 300.0	Nitrate as N	mg/L	2.00	<0.050	2.00	100	90 - 110	X420051 - X4E0205-03	14-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.04	<0.100	4.00	101	90 - 110	X420051 - X4E0205-03	14-May-24	
EPA 300.0	Nitrite as N	mg/L	2.03	<0.050	2.00	102	90 - 110	X420051 - X4E0205-03	14-May-24	
EPA 300.0	Sulfate as SO4	mg/L	59.4	50.7	10.0	0.30R>S	90 - 110	X420051 - X4E0205-03	14-May-24	D2,M4

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0205**
Reported: 29-May-24 16:45

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	25.9	26.6	20.0	3.0	20	99	X420126 - X4E0172-01	
EPA 200.7	Magnesium	mg/L	19.4	19.8	20.0	2.2	20	95.6	X420126 - X4E0172-01	
EPA 200.7	Potassium	mg/L	27.8	28.5	20.0	2.6	20	97.5	X420126 - X4E0172-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	1.01	1.00	0.3	20	101	X420119 - X4E0126-01	
EPA 200.7	Barium	mg/L	1.06	1.06	1.00	0.2	20	103	X420119 - X4E0126-01	
EPA 200.7	Beryllium	mg/L	1.03	1.03	1.00	0.5	20	103	X420119 - X4E0126-01	
EPA 200.7	Boron	mg/L	1.08	1.07	1.00	1.7	20	103	X420119 - X4E0126-01	
EPA 200.7	Cadmium	mg/L	1.03	1.02	1.00	0.6	20	103	X420119 - X4E0126-01	
EPA 200.7	Calcium	mg/L	110	111	20.0	0.5	20	97.6	X420119 - X4E0126-01	
EPA 200.7	Chromium	mg/L	1.05	1.03	1.00	1.4	20	104	X420119 - X4E0126-01	
EPA 200.7	Cobalt	mg/L	0.974	0.979	1.00	0.6	20	97.4	X420119 - X4E0126-01	
EPA 200.7	Copper	mg/L	1.01	1.00	1.00	0.7	20	101	X420119 - X4E0126-01	
EPA 200.7	Iron	mg/L	10.2	10.2	10.0	0.0	20	102	X420119 - X4E0126-01	
EPA 200.7	Lead	mg/L	0.999	0.998	1.00	0.1	20	99.9	X420119 - X4E0126-01	
EPA 200.7	Lithium	mg/L	1.07	1.06	1.00	1.3	20	107	X420119 - X4E0126-01	
EPA 200.7	Magnesium	mg/L	43.9	43.9	20.0	0.1	20	100	X420119 - X4E0126-01	
EPA 200.7	Manganese	mg/L	1.03	1.03	1.00	0.6	20	103	X420119 - X4E0126-01	
EPA 200.7	Molybdenum	mg/L	1.00	0.997	1.00	0.4	20	100	X420119 - X4E0126-01	
EPA 200.7	Nickel	mg/L	0.978	0.977	1.00	0.1	20	97.8	X420119 - X4E0126-01	
EPA 200.7	Potassium	mg/L	23.3	23.3	20.0	0.1	20	103	X420119 - X4E0126-01	
EPA 200.7	Silver	mg/L	0.0519	0.0509	0.0500	2.0	20	104	X420119 - X4E0126-01	
EPA 200.7	Sodium	mg/L	52.1	51.8	19.0	0.6	20	97.3	X420119 - X4E0126-01	
EPA 200.7	Vanadium	mg/L	1.05	1.03	1.00	1.5	20	105	X420119 - X4E0126-01	
EPA 200.7	Zinc	mg/L	0.996	1.00	1.00	0.6	20	99.6	X420119 - X4E0126-01	
EPA 200.8	Antimony	mg/L	0.0287	0.0277	0.0250	3.5	20	115	X421053 - X4E0205-01	
EPA 200.8	Arsenic	mg/L	0.0259	0.0270	0.0250	3.9	20	104	X421053 - X4E0205-01	
EPA 200.8	Selenium	mg/L	0.0260	0.0244	0.0250	6.2	20	102	X421053 - X4E0205-01	
EPA 200.8	Thallium	mg/L	0.0258	0.0253	0.0250	2.1	20	103	X421053 - X4E0205-01	
EPA 200.8	Uranium	mg/L	0.0365	0.0362	0.0250	0.8	20	106	X421053 - X4E0205-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	0.00209	0.00200	0.6	20	104	X420170 - X4E0174-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0860	0.0870	0.100	1.2	11	86.0	X422011 - X4E0435-07	
EPA 335.4	Cyanide (total)	mg/L	0.0966	0.0973	0.100	0.7	20	96.6	X421003 - X4E0205-02	B10
EPA 350.1	Ammonia as N	mg/L	1.02	1.01	1.00	0.4	20	102	X420104 - X4E0190-01	
OIA 1677	Cyanide (WAD)	mg/L	0.115	0.104	0.100	10.0	11	115	X420067 - X4E0174-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.05	6.97	3.00	1.0	20	109	X420051 - X4E0205-03	
EPA 300.0	Fluoride	mg/L	2.16	2.09	2.00	3.2	20	101	X420051 - X4E0205-03	
EPA 300.0	Nitrate as N	mg/L	2.07	2.00	2.00	3.3	20	104	X420051 - X4E0205-03	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.15	4.04	4.00	2.7	20	104	X420051 - X4E0205-03	
EPA 300.0	Nitrite as N	mg/L	2.08	2.03	2.00	2.1	20	104	X420051 - X4E0205-03	
EPA 300.0	Sulfate as SO4	mg/L	58.9	59.4	10.0	0.8	20	0.30R>S	X420051 - X4E0205-03	D2,M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4E0205**
Victor, CO 80860	Reported: 29-May-24 16:45

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.
D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
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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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
Seep-1	X4E0490-01	Ground Water	29-May-24 14:35	SW	30-May-2024	Q24,Q5
Seep-2	X4E0490-02	Ground Water	29-May-24 14:55	SW	30-May-2024	Q5
EMP-16	X4E0490-03	Ground Water	29-May-24 14:05	SW	30-May-2024	
EMP-17	X4E0490-04	Ground Water	29-May-24 13:20	SW	30-May-2024	
EMP-17A	X4E0490-05	Ground Water	29-May-24 13:40	SW	30-May-2024	
EMP-17B	X4E0490-06	Ground Water	29-May-24 13:00	SW	30-May-2024	
GV-02	X4E0490-07	Surface Water	29-May-24 15:30	SW	30-May-2024	
GV-06	X4E0490-08	Surface Water	29-May-24 11:12	SW	30-May-2024	

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

Case Narrative: X4E0490

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: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **Seep-1**
SVL Sample ID: **X4E0490-01 (Ground Water)**

Sampled: 29-May-24 14:35
Received: 30-May-24
Sampled By: SW

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**	446	mg/L	10.0	6.90	100	X423008	NMS	06/11/24 15:00	D2
EPA 200.7	**Magnesium**	2410	mg/L	50.0	9.00	100	X423008	NMS	06/11/24 15:00	D2
EPA 200.7	Potassium	< 50.0	mg/L	50.0	18.0	100	X423008	NMS	06/11/24 15:00	D1
SM 2340 B	**Hardness (as CaCO3)**	11000	mg/L	231	54.3		N/A		06/07/24 13:00	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	17700	mg/L	8.00	5.40	100	X423004	NMS	06/07/24 13:00	D2
EPA 200.7	Barium	< 0.200	mg/L	0.200	0.190	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Beryllium**	1.38	mg/L	0.200	0.0800	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	Boron	< 4.00	mg/L	4.00	0.780	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Cadmium**	88.2	mg/L	0.200	0.160	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Calcium**	430	mg/L	10.0	6.90	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Chromium**	5.22	mg/L	0.600	0.200	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Cobalt**	43.5	mg/L	0.600	0.460	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Copper**	204	mg/L	1.00	0.270	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Iron**	15300	mg/L	10.0	5.60	100	X423004	NMS	06/07/24 13:00	D2
EPA 200.7	Lead	< 0.750	mg/L	0.750	0.490	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Lithium**	11.3	mg/L	4.00	2.50	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Magnesium**	2240	mg/L	50.0	9.00	100	X423004	NMS	06/07/24 13:00	D2
EPA 200.7	**Manganese**	6880	mg/L	0.800	0.340	100	X423004	NMS	06/07/24 13:00	D2
EPA 200.7	Molybdenum	< 0.800	mg/L	0.800	0.340	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Nickel**	29.0	mg/L	1.00	0.480	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	Potassium	< 50.0	mg/L	50.0	18.0	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	Silver	< 0.500	mg/L	0.500	0.190	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	Sodium	< 50.0	mg/L	50.0	12.0	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	Vanadium	< 0.500	mg/L	0.500	0.190	100	X423004	NMS	06/07/24 13:00	D1
EPA 200.7	**Zinc**	4040	mg/L	20.0	10.8	2000	X423004	NMS	06/07/24 14:57	D2
EPA 200.8	Antimony	< 1.00	mg/L	1.00	0.720	1000	X423062	SMU	06/14/24 07:48	D1
EPA 200.8	**Arsenic**	22.6	mg/L	1.00	0.210	1000	X423062	SMU	06/14/24 07:48	D2
EPA 200.8	**Selenium**	1.28	mg/L	1.00	0.240	1000	X423062	SMU	06/14/24 07:48	D1
EPA 200.8	Thallium	< 0.200	mg/L	0.200	0.0800	1000	X423062	SMU	06/14/24 07:48	D1
EPA 200.8	**Uranium**	129	mg/L	0.100	0.0520	1000	X423062	SMU	06/14/24 07:48	D2
Metals (Filtered)										
EPA 245.1	**Mercury**	0.000279	mg/L	0.000200	0.000093		X422169	MAC	06/04/24 17:22	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0500	mg/L	0.0500	0.0480	10	X423066	DD	06/04/24 14:52	D1,Q12
EPA 335.4	Cyanide (total)	< 0.0500	mg/L	0.0500	0.0382	10	X423197	JPM	06/07/24 11:48	D1,Q20
EPA 350.1	Ammonia as N	< 3.00	mg/L	3.00	1.27	100	X423071	DD	06/05/24 11:32	D1
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 09:39	
SM 2310 B	**Acidity to pH 8.3**	148000	mg/L as CaCO3	10.0			X423192	MWD	06/06/24 09:12	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:32	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:32	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:32	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:32	
SM 2540 C	**Total Diss. Solids**	226000	mg/L	100			X422195	TJL	06/03/24 14:55	D2,E11
SM 2540 D	**Total Susp. Solids**	886	mg/L	5.0			X422196	TJL	06/03/24 15:25	
SM 4500 H B	**pH @20.1°C**	2.1	pH Units				X423012	MWD	06/03/24 16:32	H5

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

One Government Gulch - PO Box 929
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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **Seep-1**
SVL Sample ID: **X4E0490-01 (Ground Water)**

Sampled: 29-May-24 14:35
Received: 30-May-24
Sampled By: SW

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 50.0	mg/L	50.0	5.50	250	X422155	RS	05/30/24 13:35	D2
EPA 300.0	**Fluoride**	1300	mg/L	25.0	4.25	250	X422155	RS	05/30/24 13:35	D2
EPA 300.0	Nitrate as N	< 12.5	mg/L	12.5	3.25	250	X422155	RS	05/30/24 13:35	D2
EPA 300.0	Nitrate+Nitrite as N	< 25.0	mg/L	25.0	11.0	250	X422155	RS	05/30/24 13:35	D2
EPA 300.0	Nitrite as N	< 12.5	mg/L	12.5	7.75	250	X422155	RS	05/30/24 13:35	D1
EPA 300.0	**Sulfate as SO4**	161000	mg/L	1500	900	5000	X422155	RS	05/30/24 13:50	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 3,167 meq/L Anion Sum: 3,421 meq/L C/A Balance: -3.86 % Calculated TDS: 165063 TDS/cTDS: 1.37

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

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Project Manager Assistant

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **Seep-2**
SVL Sample ID: **X4E0490-02 (Ground Water)**

Sampled: 29-May-24 14:55
Received: 30-May-24
Sampled By: SW

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**	458	mg/L	10.0	6.90	100	X423008	NMS	06/11/24 15:04	D2
EPA 200.7	**Magnesium**	1510	mg/L	50.0	9.00	100	X423008	NMS	06/11/24 15:04	D2
EPA 200.7	Potassium	< 50.0	mg/L	50.0	18.0	100	X423008	NMS	06/11/24 15:04	D1
SM 2340 B	**Hardness (as CaCO3)**	7440	mg/L	231	54.3		N/A		06/07/24 13:04	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	7240	mg/L	8.00	5.40	100	X423004	NMS	06/07/24 13:04	D2
EPA 200.7	Barium	< 0.200	mg/L	0.200	0.190	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Beryllium**	0.896	mg/L	0.200	0.0800	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	Boron	< 4.00	mg/L	4.00	0.780	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Cadmium**	16.3	mg/L	0.200	0.160	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Calcium**	494	mg/L	10.0	6.90	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Chromium**	2.11	mg/L	0.600	0.200	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Cobalt**	19.5	mg/L	0.600	0.460	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Copper**	36.9	mg/L	1.00	0.270	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Iron**	4400	mg/L	10.0	5.60	100	X423004	NMS	06/07/24 13:04	D2
EPA 200.7	Lead	< 0.750	mg/L	0.750	0.490	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	Lithium	< 4.00	mg/L	4.00	2.50	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Magnesium**	1490	mg/L	50.0	9.00	100	X423004	NMS	06/07/24 13:04	D2
EPA 200.7	**Manganese**	2000	mg/L	0.800	0.340	100	X423004	NMS	06/07/24 13:04	D2
EPA 200.7	Molybdenum	< 0.800	mg/L	0.800	0.340	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Nickel**	17.4	mg/L	1.00	0.480	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	Potassium	< 50.0	mg/L	50.0	18.0	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	Silver	< 0.500	mg/L	0.500	0.190	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	Sodium	< 50.0	mg/L	50.0	12.0	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	Vanadium	< 0.500	mg/L	0.500	0.190	100	X423004	NMS	06/07/24 13:04	D1
EPA 200.7	**Zinc**	304	mg/L	1.00	0.540	100	X423004	NMS	06/07/24 13:04	D2
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X423062	SMU	06/14/24 07:50	D1
EPA 200.8	**Arsenic**	1.13	mg/L	0.100	0.0210	100	X423062	SMU	06/14/24 07:50	D1
EPA 200.8	**Selenium**	0.211	mg/L	0.100	0.0240	100	X423062	SMU	06/14/24 07:50	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X423062	SMU	06/14/24 07:50	D1
EPA 200.8	**Uranium**	18.7	mg/L	0.0100	0.00520	100	X423062	SMU	06/14/24 07:50	D2
Metals (Filtered)										
EPA 245.1	**Mercury**	0.000200	mg/L	0.000200	0.000093		X422169	MAC	06/04/24 17:24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0250	mg/L	0.0250	0.0240	5	X423066	DD	06/04/24 14:54	D1,Q12
EPA 335.4	Cyanide (total)	< 0.0500	mg/L	0.0500	0.0382	10	X423197	JPM	06/07/24 11:50	D1,Q20
EPA 350.1	Ammonia as N	< 3.00	mg/L	3.00	1.27	100	X423071	DD	06/05/24 11:34	D1
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 09:41	
SM 2310 B	**Acidity to pH 8.3**	62600	mg/L as CaCO3	10.0			X423192	MWD	06/06/24 09:12	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:46	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:46	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:46	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:46	
SM 2540 C	**Total Diss. Solids**	96400	mg/L	100			X422195	TJL	06/03/24 14:55	D2,E11
SM 2540 D	**Total Susp. Solids**	290	mg/L	5.0			X422196	TJL	06/03/24 15:25	
SM 4500 H B	**pH @20.3°C**	2.3	pH Units				X423012	MWD	06/03/24 16:46	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **Seep-2**
SVL Sample ID: **X4E0490-02 (Ground Water)**

Sampled: 29-May-24 14:55
Received: 30-May-24
Sampled By: SW

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	X422155	RS	05/30/24 14:06	D2
EPA 300.0	**Fluoride**	394	mg/L	10.0	1.70	100	X422155	RS	05/30/24 14:06	D2
EPA 300.0	**Nitrate as N**	24.7	mg/L	5.00	1.30	100	X422155	RS	05/30/24 14:06	D2
EPA 300.0	**Nitrate+Nitrite as N**	24.7	mg/L	10.0	4.40	100	X422155	RS	05/30/24 14:06	D2
EPA 300.0	Nitrite as N	< 5.00	mg/L	5.00	3.10	100	X422155	RS	05/30/24 14:06	D1
EPA 300.0	**Sulfate as SO4**	60100	mg/L	750	450	2500	X422155	RS	05/30/24 14:22	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1,193 meq/L Anion Sum: 1,274 meq/L C/A Balance: -3.28 % Calculated TDS: 62579 TDS/cTDS: 1.54

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: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **EMP-16**
SVL Sample ID: **X4E0490-03 (Ground Water)**

Sampled: 29-May-24 14:05
Received: 30-May-24
Sampled By: SW

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**	181	mg/L	0.100	0.069		X423008	NMS	06/11/24 15:14	
EPA 200.7	**Magnesium**	68.9	mg/L	0.500	0.090		X423008	NMS	06/11/24 15:14	
EPA 200.7	**Potassium**	5.38	mg/L	0.50	0.18		X423008	NMS	06/11/24 15:14	
SM 2340 B	**Hardness (as CaCO3)**	736	mg/L	2.31	0.543		N/A		06/07/24 13:08	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	77.3	mg/L	0.080	0.054		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Barium**	0.0266	mg/L	0.0020	0.0019		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Beryllium**	0.0196	mg/L	0.00200	0.00080		X423004	NMS	06/07/24 13:08	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Cadmium**	0.127	mg/L	0.0020	0.0016		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Calcium**	177	mg/L	0.100	0.069		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Chromium**	0.0076	mg/L	0.0060	0.0020		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Cobalt**	0.703	mg/L	0.0060	0.0046		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Copper**	0.215	mg/L	0.0100	0.0027		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Iron**	1.11	mg/L	0.100	0.056		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Lead**	0.0174	mg/L	0.0075	0.0049		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Lithium**	0.080	mg/L	0.040	0.025		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Magnesium**	68.4	mg/L	0.500	0.090		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Manganese**	26.9	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:08	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Nickel**	0.482	mg/L	0.0100	0.0048		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Potassium**	5.36	mg/L	0.50	0.18		X423004	NMS	06/07/24 13:08	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Sodium**	8.17	mg/L	0.50	0.12		X423004	NMS	06/07/24 13:08	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X423004	NMS	06/07/24 13:08	
EPA 200.7	**Zinc**	6.88	mg/L	0.0100	0.0054		X423004	NMS	06/07/24 13:08	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X423062	SMU	06/14/24 07:55	D1
EPA 200.8	Arsenic	< 0.00400	mg/L	0.00400	0.00084	4	X423062	SMU	06/14/24 08:57	D1
EPA 200.8	**Selenium**	0.00480	mg/L	0.00400	0.00096	4	X423062	SMU	06/14/24 08:57	D1
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X423062	SMU	06/14/24 07:55	D1
EPA 200.8	**Uranium**	0.192	mg/L	0.000200	0.000104	2	X423062	SMU	06/14/24 07:55	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X422169	MAC	06/04/24 17:27	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X423066	DD	06/04/24 14:56	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X423197	JPM	06/07/24 11:53	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X423071	DD	06/05/24 11:36	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 09:42	
SM 2310 B	**Acidity to pH 8.3**	515	mg/L as CaCO3	10.0			X423192	MWD	06/06/24 09:12	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:51	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:51	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:51	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:51	
SM 2540 C	**Total Diss. Solids**	2320	mg/L	10			X422195	TJL	06/03/24 14:55	
SM 2540 D	**Total Susp. Solids**	23.0	mg/L	5.0			X422196	TJL	06/03/24 15:25	
SM 4500 H B	**pH @20.4°C**	3.6	pH Units				X423012	MWD	06/03/24 16:51	H5

SVL holds the following certifications:
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **EMP-16**
SVL Sample ID: **X4E0490-03 (Ground Water)**

Sampled: 29-May-24 14:05
Received: 30-May-24
Sampled By: SW

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	10.9	mg/L	0.20	0.02		X422155	RS	05/30/24 15:10	
EPA 300.0	**Fluoride**	8.81	mg/L	5.00	0.850	50	X422155	RS	05/30/24 15:26	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X422155	RS	05/30/24 15:10	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X422155	RS	05/30/24 15:10	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X422155	RS	05/30/24 15:10	
EPA 300.0	**Sulfate as SO4**	1270	mg/L	15.0	9.00	50	X422155	RS	05/30/24 15:26	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 25.3 meq/L Anion Sum: 27.2 meq/L C/A Balance: -3.78 % Calculated TDS: 1551 TDS/cTDS: 1.50

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: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **EMP-17**
SVL Sample ID: **X4E0490-04 (Ground Water)**

Sampled: 29-May-24 13:20
Received: 30-May-24
Sampled By: SW

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**	70.5	mg/L	0.100	0.069		X423008	NMS	06/11/24 15:31	
EPA 200.7	**Magnesium**	33.4	mg/L	0.500	0.090		X423008	NMS	06/11/24 15:31	
EPA 200.7	**Potassium**	3.67	mg/L	0.50	0.18		X423008	NMS	06/11/24 15:31	
SM 2340 B	**Hardness (as CaCO3)**	314	mg/L	2.31	0.543		N/A		06/07/24 13:12	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X423004	NMS	06/07/24 13:12	
EPA 200.7	**Barium**	0.0331	mg/L	0.0020	0.0019		X423004	NMS	06/07/24 13:12	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X423004	NMS	06/07/24 13:12	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X423004	NMS	06/07/24 13:12	
EPA 200.7	**Cadmium**	0.0039	mg/L	0.0020	0.0016		X423004	NMS	06/07/24 13:12	
EPA 200.7	**Calcium**	68.3	mg/L	0.100	0.069		X423004	NMS	06/07/24 13:12	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X423004	NMS	06/07/24 13:12	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X423004	NMS	06/07/24 13:12	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X423004	NMS	06/07/24 13:12	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X423004	NMS	06/07/24 13:12	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X423004	NMS	06/07/24 13:12	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X423004	NMS	06/07/24 13:12	
EPA 200.7	**Magnesium**	33.2	mg/L	0.500	0.090		X423004	NMS	06/07/24 13:12	
EPA 200.7	**Manganese**	1.63	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:12	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:12	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X423004	NMS	06/07/24 13:12	
EPA 200.7	**Potassium**	3.68	mg/L	0.50	0.18		X423004	NMS	06/07/24 13:12	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X423004	NMS	06/07/24 13:12	
EPA 200.7	**Sodium**	27.4	mg/L	0.50	0.12		X423004	NMS	06/07/24 13:12	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X423004	NMS	06/07/24 13:12	
EPA 200.7	**Zinc**	0.0600	mg/L	0.0100	0.0054		X423004	NMS	06/07/24 13:12	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X423062	SMU	06/14/24 07:57	D1
EPA 200.8	Arsenic	< 0.00200	mg/L	0.00200	0.00042	2	X423062	SMU	06/14/24 07:57	D1
EPA 200.8	Selenium	< 0.00200	mg/L	0.00200	0.00048	2	X423062	SMU	06/14/24 07:57	D1
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X423062	SMU	06/14/24 07:57	D1
EPA 200.8	**Uranium**	0.000777	mg/L	0.000200	0.000104	2	X423062	SMU	06/14/24 07:57	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X422169	MAC	06/04/24 17:29	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X423066	DD	06/04/24 14:58	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X423197	JPM	06/07/24 11:56	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X423071	DD	06/05/24 11:46	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 09:44	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X423192	MWD	06/06/24 09:12	
SM 2320 B	**Total Alkalinity**	5.4	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:56	
SM 2320 B	**Bicarbonate**	5.4	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:56	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:56	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 16:56	
SM 2540 C	**Total Diss. Solids**	537	mg/L	10			X422195	TJL	06/03/24 14:55	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X422196	TJL	06/03/24 15:25	
SM 4500 H B	**pH @20.3°C**	6.4	pH Units				X423012	MWD	06/03/24 16:56	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **EMP-17**
SVL Sample ID: **X4E0490-04 (Ground Water)**

Sampled: 29-May-24 13:20
Received: 30-May-24
Sampled By: SW

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	3.76	mg/L	0.20	0.02		X422155	RS	05/30/24 15:42	
EPA 300.0	**Fluoride**	1.48	mg/L	0.100	0.017		X422155	RS	05/30/24 15:42	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X422155	RS	05/30/24 15:42	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X422155	RS	05/30/24 15:42	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X422155	RS	05/30/24 15:42	
EPA 300.0	**Sulfate as SO4**	367	mg/L	3.00	1.80	10	X422155	RS	05/30/24 15:57	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 7.50 meq/L Anion Sum: 7.94 meq/L C/A Balance: -2.82 % Calculated TDS: 509 TDS/cTDS: 1.05

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

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Project Manager Assistant

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **EMP-17A**
SVL Sample ID: **X4E0490-05 (Ground Water)**

Sampled: 29-May-24 13:40
Received: 30-May-24
Sampled By: SW

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	40.1	mg/L	0.100	0.069		X423008	NMS	06/11/24 15:35	
EPA 200.7	**Magnesium**	8.04	mg/L	0.500	0.090		X423008	NMS	06/11/24 15:35	
EPA 200.7	**Potassium**	4.90	mg/L	0.50	0.18		X423008	NMS	06/11/24 15:35	
SM 2340 B	**Hardness (as CaCO3)**	133	mg/L	2.31	0.543		N/A		06/11/24 15:35	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	2.69	mg/L	0.080	0.054		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Barium**	0.0503	mg/L	0.0020	0.0019		X423004	NMS	06/07/24 13:16	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X423004	NMS	06/07/24 13:16	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Cadmium**	0.0029	mg/L	0.0020	0.0016		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Calcium**	39.5	mg/L	0.100	0.069		X423004	NMS	06/07/24 13:16	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Cobalt**	0.0227	mg/L	0.0060	0.0046		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Copper**	0.0117	mg/L	0.0100	0.0027		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Iron**	0.119	mg/L	0.100	0.056		X423004	NMS	06/07/24 13:16	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X423004	NMS	06/07/24 13:16	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Magnesium**	8.22	mg/L	0.500	0.090		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Manganese**	5.50	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:16	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Nickel**	0.0134	mg/L	0.0100	0.0048		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Potassium**	4.98	mg/L	0.50	0.18		X423004	NMS	06/07/24 13:16	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Sodium**	2.92	mg/L	0.50	0.12		X423004	NMS	06/07/24 13:16	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X423004	NMS	06/07/24 13:16	
EPA 200.7	**Zinc**	0.249	mg/L	0.0100	0.0054		X423004	NMS	06/07/24 13:16	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X423062	SMU	06/14/24 08:00	D1
EPA 200.8	Arsenic	< 0.00200	mg/L	0.00200	0.00042	2	X423062	SMU	06/14/24 08:00	D1
EPA 200.8	Selenium	< 0.00200	mg/L	0.00200	0.00048	2	X423062	SMU	06/14/24 08:00	D1
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X423062	SMU	06/14/24 08:00	D1
EPA 200.8	**Uranium**	0.000676	mg/L	0.000200	0.000104	2	X423062	SMU	06/14/24 08:00	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X422169	MAC	06/04/24 17:31	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X423066	DD	06/04/24 15:00	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X423197	JPM	06/07/24 11:58	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X423071	DD	06/05/24 11:48	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 09:45	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X423192	MWD	06/06/24 09:12	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:01	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:01	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:01	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:01	
SM 2540 C	**Total Diss. Solids**	246	mg/L	10			X422195	TJL	06/03/24 14:55	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X422196	TJL	06/03/24 15:25	
SM 4500 H B	**pH @20.2°C**	4.5	pH Units				X423012	MWD	06/03/24 17:01	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **EMP-17A**
SVL Sample ID: **X4E0490-05 (Ground Water)**

Sampled: 29-May-24 13:40
Received: 30-May-24
Sampled By: SW

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	2.25	mg/L	0.20	0.02		X422155	RS	05/30/24 16:13	
EPA 300.0	**Fluoride**	3.01	mg/L	0.100	0.017		X422155	RS	05/30/24 16:13	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X422155	RS	05/30/24 16:13	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X422155	RS	05/30/24 16:13	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X422155	RS	05/30/24 16:13	
EPA 300.0	**Sulfate as SO4**	167	mg/L	3.00	1.80	10	X422155	RS	05/30/24 16:29	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.40 meq/L Anion Sum: 3.72 meq/L C/A Balance: -4.49 % Calculated TDS: 228 TDS/cTDS: 1.08

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: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **EMP-17B**
SVL Sample ID: **X4E0490-06 (Ground Water)**

Sampled: 29-May-24 13:00
Received: 30-May-24
Sampled By: SW

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**	162	mg/L	0.100	0.069		X423008	NMS	06/11/24 15:39	
EPA 200.7	**Magnesium**	63.3	mg/L	0.500	0.090		X423008	NMS	06/11/24 15:39	
EPA 200.7	**Potassium**	3.57	mg/L	0.50	0.18		X423008	NMS	06/11/24 15:39	
SM 2340 B	**Hardness (as CaCO3)**	664	mg/L	2.31	0.543		N/A		06/11/24 15:39	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	21.6	mg/L	0.080	0.054		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Barium**	0.0223	mg/L	0.0020	0.0019		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Beryllium**	0.00419	mg/L	0.00200	0.00080		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Boron**	0.0499	mg/L	0.0400	0.0078		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Cadmium**	0.100	mg/L	0.0020	0.0016		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Calcium**	158	mg/L	0.100	0.069		X423004	NMS	06/07/24 13:20	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Cobalt**	0.0952	mg/L	0.0060	0.0046		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Copper**	0.120	mg/L	0.0100	0.0027		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Iron**	0.925	mg/L	0.100	0.056		X423004	NMS	06/07/24 13:20	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X423004	NMS	06/07/24 13:20	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Magnesium**	62.9	mg/L	0.500	0.090		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Manganese**	19.6	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:20	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Nickel**	0.0873	mg/L	0.0100	0.0048		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Potassium**	3.50	mg/L	0.50	0.18		X423004	NMS	06/07/24 13:20	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Sodium**	28.9	mg/L	0.50	0.12		X423004	NMS	06/07/24 13:20	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X423004	NMS	06/07/24 13:20	
EPA 200.7	**Zinc**	7.19	mg/L	0.0100	0.0054		X423004	NMS	06/07/24 13:20	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X423062	SMU	06/14/24 08:02	D1
EPA 200.8	Arsenic	< 0.00200	mg/L	0.00200	0.00042	2	X423062	SMU	06/14/24 08:02	D1
EPA 200.8	Selenium	< 0.00200	mg/L	0.00200	0.00048	2	X423062	SMU	06/14/24 08:02	D1
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X423062	SMU	06/14/24 08:02	D1
EPA 200.8	**Uranium**	0.0677	mg/L	0.000200	0.000104	2	X423062	SMU	06/14/24 08:02	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X422169	MAC	06/04/24 17:33	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X423066	DD	06/04/24 15:08	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X423197	JPM	06/07/24 12:12	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X423071	DD	06/05/24 11:50	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 10:18	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X423192	MWD	06/06/24 09:12	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:05	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:05	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:05	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:05	
SM 2540 C	**Total Diss. Solids**	1180	mg/L	10			X422195	TJL	06/03/24 14:55	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X422196	TJL	06/03/24 15:25	
SM 4500 H B	**pH @20.2°C**	4.1	pH Units				X423012	MWD	06/03/24 17:05	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: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **EMP-17B**
SVL Sample ID: **X4E0490-06 (Ground Water)**

Sampled: 29-May-24 13:00
Received: 30-May-24
Sampled By: SW

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	2.58	mg/L	0.20	0.02		X422155	RS	05/30/24 16:45	
EPA 300.0	**Fluoride**	11.6	mg/L	5.00	0.850	50	X422155	RS	05/30/24 17:01	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X422155	RS	05/30/24 16:45	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X422155	RS	05/30/24 16:45	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X422155	RS	05/30/24 16:45	
EPA 300.0	**Sulfate as SO4**	903	mg/L	15.0	9.00	50	X422155	RS	05/30/24 17:01	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 17.8 meq/L Anion Sum: 19.5 meq/L C/A Balance: -4.62 % Calculated TDS: 1173 TDS/cTDS: 1.01

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

Tawnya M. Hall
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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **GV-02**
SVL Sample ID: **X4E0490-07 (Surface Water)**

Sampled: 29-May-24 15:30
Received: 30-May-24
Sampled By: SW

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		X422165	MAC	06/04/24 16:42	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.0269	mg/L	0.0020	0.0019		X423008	NMS	06/11/24 15:43	
EPA 200.7	**Beryllium**	0.0105	mg/L	0.00200	0.00080		X423008	NMS	06/11/24 15:43	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X423008	NMS	06/11/24 15:43	
EPA 200.7	**Calcium**	245	mg/L	0.100	0.069		X423008	NMS	06/11/24 15:43	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X423008	NMS	06/11/24 15:43	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X423008	NMS	06/11/24 15:43	
EPA 200.7	**Magnesium**	91.8	mg/L	0.500	0.090		X423008	NMS	06/11/24 15:43	
EPA 200.7	**Manganese**	19.5	mg/L	0.0080	0.0034		X423008	NMS	06/11/24 15:43	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X423008	NMS	06/11/24 15:43	
EPA 200.7	**Nickel**	0.438	mg/L	0.0100	0.0048		X423008	NMS	06/11/24 15:43	
EPA 200.7	Phosphorus	< 0.050	mg/L	0.050	0.013		X423008	NMS	06/11/24 15:43	
EPA 200.7	**Potassium**	9.28	mg/L	0.50	0.18		X423008	NMS	06/11/24 15:43	
EPA 200.7	**Sodium**	29.5	mg/L	0.50	0.12		X423008	NMS	06/11/24 15:43	
EPA 200.7	**Zinc**	8.49	mg/L	0.0100	0.0054		X423008	NMS	06/11/24 15:43	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X423206	SMU	06/12/24 12:39	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X423206	SMU	06/12/24 12:39	
EPA 200.8	**Cadmium**	0.0291	mg/L	0.000100	0.000063		X423206	SMU	06/12/24 12:39	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X423206	SMU	06/12/24 12:39	
EPA 200.8	**Copper**	0.00141	mg/L	0.00040	0.00036		X423206	SMU	06/12/24 12:39	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X423206	SMU	06/12/24 12:39	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X423206	SMU	06/12/24 12:39	
SM 2340 B	**Hardness (as CaC03)**	976	mg/L	2.31	0.543		N/A		06/11/24 15:43	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	7.99	mg/L	0.080	0.054		X423004	NMS	06/07/24 13:24	
EPA 200.7	**Barium**	0.0261	mg/L	0.0020	0.0019		X423004	NMS	06/07/24 13:24	
EPA 200.7	**Beryllium**	0.0105	mg/L	0.00200	0.00080		X423004	NMS	06/07/24 13:24	
EPA 200.7	**Calcium**	240	mg/L	0.100	0.069		X423004	NMS	06/07/24 13:24	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X423004	NMS	06/07/24 13:24	
EPA 200.7	**Magnesium**	91.5	mg/L	0.500	0.090		X423004	NMS	06/07/24 13:24	
EPA 200.7	**Manganese**	19.8	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:24	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:24	
EPA 200.7	**Nickel**	0.443	mg/L	0.0100	0.0048		X423004	NMS	06/07/24 13:24	
EPA 200.7	**Potassium**	9.28	mg/L	0.50	0.18		X423004	NMS	06/07/24 13:24	
EPA 200.7	**Sodium**	29.0	mg/L	0.50	0.12		X423004	NMS	06/07/24 13:24	
EPA 200.7	**Zinc**	8.58	mg/L	0.0100	0.0054		X423004	NMS	06/07/24 13:24	
EPA 200.8	Antimony	< 0.00200	mg/L	0.00200	0.00144	2	X423062	SMU	06/14/24 08:15	D1
EPA 200.8	Arsenic	< 0.00200	mg/L	0.00200	0.00042	2	X423062	SMU	06/14/24 08:15	D1
EPA 200.8	**Cadmium**	0.0311	mg/L	0.000200	0.000126	2	X423062	SMU	06/14/24 08:15	D1
EPA 200.8	Chromium	< 0.00200	mg/L	0.00200	0.00034	2	X423062	SMU	06/14/24 08:15	D1
EPA 200.8	**Copper**	0.00193	mg/L	0.00080	0.00072	2	X423062	SMU	06/14/24 08:15	D1
EPA 200.8	Lead	< 0.00040	mg/L	0.00040	0.00028	2	X423062	SMU	06/14/24 08:15	D1
EPA 200.8	Selenium	< 0.00200	mg/L	0.00200	0.00048	2	X423062	SMU	06/14/24 08:15	D1
EPA 200.8	Silver	< 0.000160	mg/L	0.000160	0.000122	2	X423062	SMU	06/14/24 08:15	D1
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X423062	SMU	06/14/24 08:15	D1
EPA 200.8	**Uranium**	0.000328	mg/L	0.000200	0.000104	2	X423062	SMU	06/14/24 08:15	D1

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: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **GV-02**
SVL Sample ID: **X4E0490-07 (Surface Water)**

Sampled: 29-May-24 15:30
Received: 30-May-24
Sampled By: SW

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		X422169	MAC	06/04/24 17:35	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X423066	DD	06/04/24 15:10	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		06/11/24 15:43	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X423197	JPM	06/07/24 12:14	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X423071	DD	06/05/24 11:52	
EPA 351.2	TKN	< 0.50	mg/L	0.50	0.31		X423011	JPM	06/04/24 10:31	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 09:53	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X423192	MWD	06/06/24 09:12	
SM 2320 B	**Total Alkalinity**	2.6	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:11	
SM 2320 B	**Bicarbonate**	2.6	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:11	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:11	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:11	
SM 2540 C	**Total Diss. Solids**	1550	mg/L	10			X422195	TJL	06/03/24 14:55	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X422196	TJL	06/03/24 15:25	
SM 4500 H B	**pH @20.3°C**	5.6	pH Units				X423012	MWD	06/03/24 17:11	H5
SM 4500 S D	Sulfide	< 0.100	mg/L	0.100	0.040	2	X422214	MCM	06/01/24 17:24	D1
SM 4500-O-G	**Dissolved Oxygen**	7.0	mg/L	0.1			X423059	TJL	06/03/24 16:35	H3,H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X424043	MCM	06/10/24 17:55	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00700	mg/L	0.00700	0.00224		N/A		06/14/24 08:15	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	26.8	mg/L	10.0	1.10	50	X422155	RS	05/30/24 17:33	D2
EPA 300.0	**Fluoride**	10.4	mg/L	5.00	0.850	50	X422155	RS	05/30/24 17:33	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X422155	RS	05/30/24 17:17	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X422155	RS	05/30/24 17:17	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X422155	RS	05/30/24 17:17	
EPA 300.0	**Sulfate as SO4**	1110	mg/L	15.0	9.00	50	X422155	RS	05/30/24 17:33	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 22.9 meq/L Anion Sum: 24.5 meq/L C/A Balance: -3.38 % Calculated TDS: 1521 TDS/cTDS: 1.02

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

Tawnya M. Hall
Project Manager Assistant

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **GV-06**
SVL Sample ID: **X4E0490-08 (Surface Water)**

Sampled: 29-May-24 11:12
Received: 30-May-24
Sampled By: SW

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		X422165	MAC	06/04/24 16:44	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.121	mg/L	0.0020	0.0019		X423008	NMS	06/11/24 15:47	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X423008	NMS	06/11/24 15:47	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X423008	NMS	06/11/24 15:47	
EPA 200.7	**Calcium**	63.8	mg/L	0.100	0.069		X423008	NMS	06/11/24 15:47	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X423008	NMS	06/11/24 15:47	
EPA 200.7	**Iron**	1.33	mg/L	0.100	0.056		X423008	NMS	06/11/24 15:47	
EPA 200.7	**Magnesium**	15.3	mg/L	0.500	0.090		X423008	NMS	06/11/24 15:47	
EPA 200.7	**Manganese**	1.16	mg/L	0.0080	0.0034		X423008	NMS	06/11/24 15:47	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X423008	NMS	06/11/24 15:47	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X423008	NMS	06/11/24 15:47	
EPA 200.7	Phosphorus	< 0.050	mg/L	0.050	0.013		X423008	NMS	06/11/24 15:47	
EPA 200.7	**Potassium**	1.38	mg/L	0.50	0.18		X423008	NMS	06/11/24 15:47	
EPA 200.7	**Sodium**	13.9	mg/L	0.50	0.12		X423008	NMS	06/11/24 15:47	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X423008	NMS	06/11/24 15:47	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X423206	SMU	06/12/24 12:41	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X423206	SMU	06/12/24 12:41	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X423206	SMU	06/12/24 12:41	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X423206	SMU	06/12/24 12:41	
EPA 200.8	Copper	< 0.00040	mg/L	0.00040	0.00036		X423206	SMU	06/12/24 12:41	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X423206	SMU	06/12/24 12:41	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X423206	SMU	06/12/24 12:41	
SM 2340 B	**Hardness (as CaC03)**	219	mg/L	2.31	0.543		N/A		06/07/24 13:28	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X423004	NMS	06/07/24 13:28	
EPA 200.7	**Barium**	0.114	mg/L	0.0020	0.0019		X423004	NMS	06/07/24 13:28	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X423004	NMS	06/07/24 13:28	
EPA 200.7	**Calcium**	62.5	mg/L	0.100	0.069		X423004	NMS	06/07/24 13:28	
EPA 200.7	**Iron**	0.454	mg/L	0.100	0.056		X423004	NMS	06/07/24 13:28	
EPA 200.7	**Magnesium**	15.3	mg/L	0.500	0.090		X423004	NMS	06/07/24 13:28	
EPA 200.7	**Manganese**	1.02	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:28	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X423004	NMS	06/07/24 13:28	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X423004	NMS	06/07/24 13:28	
EPA 200.7	**Potassium**	1.45	mg/L	0.50	0.18		X423004	NMS	06/07/24 13:28	
EPA 200.7	**Sodium**	13.6	mg/L	0.50	0.12		X423004	NMS	06/07/24 13:28	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X423004	NMS	06/07/24 13:28	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X423062	SMU	06/14/24 08:23	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X423062	SMU	06/14/24 08:23	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X423062	SMU	06/14/24 08:23	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X423062	SMU	06/14/24 08:23	
EPA 200.8	Copper	< 0.00040	mg/L	0.00040	0.00036		X423062	SMU	06/14/24 08:23	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X423062	SMU	06/14/24 08:23	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X423062	SMU	06/14/24 08:23	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X423062	SMU	06/14/24 08:23	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X423062	SMU	06/14/24 08:23	
EPA 200.8	**Uranium**	0.000349	mg/L	0.000100	0.000052		X423062	SMU	06/14/24 08:23	

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: **X4E0490**
Reported: 25-Jun-24 11:16

Client Sample ID: **GV-06**
SVL Sample ID: **X4E0490-08 (Surface Water)**

Sampled: 29-May-24 11:12
Received: 30-May-24
Sampled By: SW

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		X422169	MAC	06/04/24 17:37	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X423066	DD	06/04/24 15:12	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		06/11/24 15:47	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X423197	JPM	06/07/24 12:17	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X423071	DD	06/05/24 11:55	
EPA 351.2	TKN	< 0.50	mg/L	0.50	0.31		X423011	JPM	06/04/24 10:34	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 09:54	
SM 2310 B	**Acidity to pH 8.3**	-65.4	mg/L as CaCO3	10.0			X423192	MWD	06/06/24 09:12	
SM 2320 B	**Total Alkalinity**	65.4	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:15	
SM 2320 B	**Bicarbonate**	65.4	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:15	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:15	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X423012	MWD	06/03/24 17:15	
SM 2540 C	**Total Diss. Solids**	361	mg/L	10			X422195	TJL	06/03/24 14:55	
SM 2540 D	**Total Susp. Solids**	5.0	mg/L	5.0			X422196	TJL	06/03/24 15:25	
SM 4500 H B	**pH @20.3°C**	7.3	pH Units				X423012	MWD	06/03/24 17:15	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X422214	MCM	06/01/24 17:25	
SM 4500-O-G	**Dissolved Oxygen**	6.7	mg/L	0.1			X423059	TJL	06/03/24 16:35	H3,H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X424043	MCM	06/10/24 17:55	
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		06/14/24 08:23	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	6.87	mg/L	0.20	0.02		X422155	RS	05/30/24 18:20	
EPA 300.0	**Fluoride**	0.782	mg/L	0.100	0.017		X422155	RS	05/30/24 18:20	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X422155	RS	05/30/24 18:20	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X422155	RS	05/30/24 18:20	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X422155	RS	05/30/24 18:20	
EPA 300.0	**Sulfate as SO4**	181	mg/L	3.00	1.80	10	X422155	RS	05/30/24 18:36	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 5.07 meq/L Anion Sum: 5.31 meq/L C/A Balance: -2.37 % Calculated TDS: 322 TDS/cTDS: 1.12

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

Tawnya M. Hall
Project Manager Assistant

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: **X4E0490**
Reported: 25-Jun-24 11:16

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	X422165	04-Jun-24	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X423008	11-Jun-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X423008	11-Jun-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X423008	11-Jun-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X423008	11-Jun-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X423008	11-Jun-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X423008	11-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X423008	11-Jun-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X423008	11-Jun-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X423008	11-Jun-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X423008	11-Jun-24	
EPA 200.7	Phosphorus	mg/L	<0.050	0.013	0.050	X423008	11-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X423008	11-Jun-24	
EPA 200.7	Sodium	mg/L	<0.12	0.12	0.50	X423008	11-Jun-24	U
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X423008	11-Jun-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X423206	12-Jun-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X423206	12-Jun-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X423206	12-Jun-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X423206	12-Jun-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X423206	12-Jun-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X423206	12-Jun-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X423206	12-Jun-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X423004	07-Jun-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X423004	07-Jun-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X423004	07-Jun-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X423004	07-Jun-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X423004	07-Jun-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X423004	07-Jun-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X423004	07-Jun-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X423004	07-Jun-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X423004	07-Jun-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X423004	07-Jun-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X423004	07-Jun-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X423004	07-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X423004	07-Jun-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X423004	07-Jun-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X423004	07-Jun-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X423004	07-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X423004	07-Jun-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X423004	07-Jun-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X423004	07-Jun-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X423004	07-Jun-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X423004	07-Jun-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X423062	14-Jun-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X423062	14-Jun-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X423062	14-Jun-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X423062	14-Jun-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X423062	14-Jun-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X423062	14-Jun-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X423062	14-Jun-24	
EPA 200.8	Silver	mg/L	<0.00008	0.000061	0.00008	X423062	14-Jun-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X423062	14-Jun-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X423062	14-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X423066	04-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X423197	07-Jun-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X423071	05-Jun-24	
EPA 351.2	TKN	mg/L	<0.50	0.31	0.50	X423011	04-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X424024	11-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X423192	06-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X423012	03-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X423012	03-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X423012	03-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X423012	03-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X422195	03-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X422196	03-Jun-24	
SM 4500 S D	Sulfide	mg/L	<0.050	0.020	0.050	X422214	01-Jun-24	
Dissolved Classical Chemistry Parameters								
SM 3500 Cr B	Hexavalent Chromium	mg/L	<0.0050	0.0019	0.0050	X424043	10-Jun-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X422155	30-May-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X422155	30-May-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X422155	30-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X422155	30-May-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X422155	30-May-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X422155	30-May-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	0.00207	0.00200	104	85 - 115	X422165	04-Jun-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Barium	mg/L	0.975	1.00	97.5	85 - 115	X423008	11-Jun-24	
EPA 200.7	Beryllium	mg/L	0.974	1.00	97.4	85 - 115	X423008	11-Jun-24	
EPA 200.7	Boron	mg/L	0.989	1.00	98.9	85 - 115	X423008	11-Jun-24	
EPA 200.7	Calcium	mg/L	19.8	20.0	99	85 - 115	X423008	11-Jun-24	
EPA 200.7	Chromium	mg/L	0.967	1.00	96.7	85 - 115	X423008	11-Jun-24	
EPA 200.7	Iron	mg/L	10.0	10.0	100	85 - 115	X423008	11-Jun-24	
EPA 200.7	Magnesium	mg/L	20.0	20.0	100	85 - 115	X423008	11-Jun-24	
EPA 200.7	Manganese	mg/L	0.963	1.00	96.3	85 - 115	X423008	11-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.982	1.00	98.2	85 - 115	X423008	11-Jun-24	
EPA 200.7	Nickel	mg/L	0.935	1.00	93.5	85 - 115	X423008	11-Jun-24	
EPA 200.7	Phosphorus	mg/L	0.999	1.00	99.9	85 - 115	X423008	11-Jun-24	
EPA 200.7	Potassium	mg/L	19.4	20.0	97.0	85 - 115	X423008	11-Jun-24	
EPA 200.7	Sodium	mg/L	19.2	19.0	101	85 - 115	X423008	11-Jun-24	
EPA 200.7	Zinc	mg/L	0.957	1.00	95.7	85 - 115	X423008	11-Jun-24	
EPA 200.8	Antimony	mg/L	0.0243	0.0250	97.1	85 - 115	X423206	12-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0251	0.0250	100	85 - 115	X423206	12-Jun-24	
EPA 200.8	Cadmium	mg/L	0.0245	0.0250	97.8	85 - 115	X423206	12-Jun-24	
EPA 200.8	Chromium	mg/L	0.0252	0.0250	101	85 - 115	X423206	12-Jun-24	
EPA 200.8	Copper	mg/L	0.0262	0.0250	105	85 - 115	X423206	12-Jun-24	
EPA 200.8	Lead	mg/L	0.0252	0.0250	101	85 - 115	X423206	12-Jun-24	
EPA 200.8	Selenium	mg/L	0.0243	0.0250	97.2	85 - 115	X423206	12-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.04	1.00	104	85 - 115	X423004	07-Jun-24	
EPA 200.7	Barium	mg/L	1.06	1.00	106	85 - 115	X423004	07-Jun-24	
EPA 200.7	Beryllium	mg/L	1.05	1.00	105	85 - 115	X423004	07-Jun-24	
EPA 200.7	Boron	mg/L	1.07	1.00	107	85 - 115	X423004	07-Jun-24	
EPA 200.7	Cadmium	mg/L	1.06	1.00	106	85 - 115	X423004	07-Jun-24	
EPA 200.7	Calcium	mg/L	21.2	20.0	106	85 - 115	X423004	07-Jun-24	
EPA 200.7	Chromium	mg/L	1.06	1.00	106	85 - 115	X423004	07-Jun-24	
EPA 200.7	Cobalt	mg/L	1.04	1.00	104	85 - 115	X423004	07-Jun-24	
EPA 200.7	Copper	mg/L	1.04	1.00	104	85 - 115	X423004	07-Jun-24	
EPA 200.7	Iron	mg/L	10.6	10.0	106	85 - 115	X423004	07-Jun-24	
EPA 200.7	Lead	mg/L	1.06	1.00	106	85 - 115	X423004	07-Jun-24	
EPA 200.7	Lithium	mg/L	1.02	1.00	102	85 - 115	X423004	07-Jun-24	
EPA 200.7	Magnesium	mg/L	21.7	20.0	108	85 - 115	X423004	07-Jun-24	
EPA 200.7	Manganese	mg/L	1.04	1.00	104	85 - 115	X423004	07-Jun-24	
EPA 200.7	Molybdenum	mg/L	1.07	1.00	107	85 - 115	X423004	07-Jun-24	
EPA 200.7	Nickel	mg/L	1.04	1.00	104	85 - 115	X423004	07-Jun-24	
EPA 200.7	Potassium	mg/L	21.2	20.0	106	85 - 115	X423004	07-Jun-24	
EPA 200.7	Silver	mg/L	0.0536	0.0500	107	85 - 115	X423004	07-Jun-24	
EPA 200.7	Sodium	mg/L	20.3	19.0	107	85 - 115	X423004	07-Jun-24	
EPA 200.7	Vanadium	mg/L	1.07	1.00	107	85 - 115	X423004	07-Jun-24	
EPA 200.7	Zinc	mg/L	1.07	1.00	107	85 - 115	X423004	07-Jun-24	
EPA 200.8	Antimony	mg/L	0.0239	0.0250	95.6	85 - 115	X423062	14-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0255	0.0250	102	85 - 115	X423062	14-Jun-24	
EPA 200.8	Cadmium	mg/L	0.0249	0.0250	99.5	85 - 115	X423062	14-Jun-24	
EPA 200.8	Chromium	mg/L	0.0254	0.0250	101	85 - 115	X423062	14-Jun-24	
EPA 200.8	Copper	mg/L	0.0250	0.0250	100	85 - 115	X423062	14-Jun-24	
EPA 200.8	Lead	mg/L	0.0254	0.0250	102	85 - 115	X423062	14-Jun-24	
EPA 200.8	Selenium	mg/L	0.0264	0.0250	106	85 - 115	X423062	14-Jun-24	
EPA 200.8	Silver	mg/L	0.0258	0.0250	103	85 - 115	X423062	14-Jun-24	
EPA 200.8	Thallium	mg/L	0.0253	0.0250	101	85 - 115	X423062	14-Jun-24	
EPA 200.8	Uranium	mg/L	0.0251	0.0250	100	85 - 115	X423062	14-Jun-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00199	0.00200	99.7	85 - 115	X422169	04-Jun-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	0.100	100	90 - 110	X423066	04-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	0.100	103	90 - 110	X423197	07-Jun-24	
EPA 350.1	Ammonia as N	mg/L	0.974	1.00	97.4	90 - 110	X423071	05-Jun-24	
EPA 351.2	TKN	mg/L	7.62	8.00	95.2	90 - 110	X423011	04-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.100	104	90 - 110	X424024	11-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	880	884	99.5	95.4 - 104	X423192	06-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	96.4 - 105	X423012	03-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	96.4 - 105	X423012	03-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X422196	03-Jun-24	
SM 4500 S D	Sulfide	mg/L	0.478	0.500	95.6	85 - 115	X422214	01-Jun-24	
Dissolved Classical Chemistry Parameters									
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0978	0.100	97.8	80 - 120	X424043	10-Jun-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.11	3.00	104	90 - 110	X422155	30-May-24	
EPA 300.0	Fluoride	mg/L	2.03	2.00	102	90 - 110	X422155	30-May-24	
EPA 300.0	Nitrate as N	mg/L	2.09	2.00	104	90 - 110	X422155	30-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.67	4.50	104	90 - 110	X422155	30-May-24	
EPA 300.0	Nitrite as N	mg/L	2.58	2.50	103	90 - 110	X422155	30-May-24	
EPA 300.0	Sulfate as SO4	mg/L	10.9	10.0	109	90 - 110	X422155	30-May-24	

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

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	148000	148000	0.2	20	X423192 - X4E0490-01	06-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X423012 - X4E0490-02	03-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X423012 - X4E0490-02	03-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X423012 - X4E0490-02	03-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X423012 - X4E0490-02	03-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	262	262	0.0	10	X422195 - X4E0460-01	03-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	505	537	6.1	10	X422195 - X4E0490-04	03-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X422196 - X4E0490-04	03-Jun-24	
SM 4500 H B	pH @20.1°C	pH Units	2.3	2.3	0.0	20	X423012 - X4E0490-02	03-Jun-24	
SM 4500-O-G	Dissolved Oxygen	mg/L	7.1	7.0	1.4	20	X423059 - X4E0490-07	03-Jun-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	0.00216	0.000183	0.00200	98.7	70 - 130	X422165 - X4E0487-03	04-Jun-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	0.386	0.0029	1.00	38.3	70 - 130	X423008 - X4E0450-02	11-Jun-24	M2
EPA 200.7	Barium	mg/L	1.00	0.0405	1.00	96.0	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Beryllium	mg/L	0.989	0.0184	1.00	97.0	70 - 130	X423008 - X4E0450-02	11-Jun-24	
EPA 200.7	Beryllium	mg/L	0.968	<0.00200	1.00	96.8	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Boron	mg/L	1.41	0.392	1.00	101	70 - 130	X423008 - X4E0450-02	11-Jun-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	101	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Calcium	mg/L	415	407	20.0	0.30R>S	70 - 130	X423008 - X4E0450-02	11-Jun-24	M3
EPA 200.7	Calcium	mg/L	62.6	42.5	20.0	101	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Chromium	mg/L	0.935	<0.0060	1.00	93.5	70 - 130	X423008 - X4E0450-02	11-Jun-24	
EPA 200.7	Chromium	mg/L	0.957	<0.0060	1.00	95.7	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Iron	mg/L	68.8	61.0	10.0	78.1	70 - 130	X423008 - X4E0450-02	11-Jun-24	
EPA 200.7	Iron	mg/L	9.97	<0.100	10.0	99.7	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Magnesium	mg/L	34.4	14.6	20.0	99.1	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Magnesium	mg/L	924	879	20.0	0.30R>S	70 - 130	X423008 - X4E0450-02	11-Jun-24	D2,M4
EPA 200.7	Manganese	mg/L	0.965	<0.0080	1.00	96.5	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Manganese	mg/L	159	154	1.00	0.30R>S	70 - 130	X423008 - X4E0450-02	11-Jun-24	D2,M4
EPA 200.7	Molybdenum	mg/L	0.996	<0.0080	1.00	99.3	70 - 130	X423008 - X4E0450-02	11-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.986	<0.0080	1.00	98.6	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Nickel	mg/L	15.1	14.5	1.00	0.30R>S	70 - 130	X423008 - X4E0450-02	11-Jun-24	M2
EPA 200.7	Nickel	mg/L	0.926	<0.0100	1.00	92.6	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Phosphorus	mg/L	1.10	0.062	1.00	104	70 - 130	X423008 - X4E0450-02	11-Jun-24	
EPA 200.7	Phosphorus	mg/L	1.14	0.122	1.00	102	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Potassium	mg/L	24.9	4.17	20.0	104	70 - 130	X423008 - X4E0450-02	11-Jun-24	
EPA 200.7	Potassium	mg/L	22.8	3.43	20.0	97.1	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Sodium	mg/L	51.9	32.3	19.0	103	70 - 130	X423008 - X4E0450-02	11-Jun-24	
EPA 200.7	Sodium	mg/L	35.3	16.8	19.0	97.5	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Zinc	mg/L	0.971	0.0125	1.00	95.8	70 - 130	X423008 - X4E0510-07	11-Jun-24	
EPA 200.7	Zinc	mg/L	53.9	51.6	1.00	0.30R>S	70 - 130	X423008 - X4E0450-02	11-Jun-24	D2,M4
EPA 200.8	Antimony	mg/L	0.0250	<0.00100	0.0250	99.9	70 - 130	X423206 - X4E0486-04	12-Jun-24	
EPA 200.8	Antimony	mg/L	0.0252	<0.00100	0.0250	101	70 - 130	X423206 - X4E0509-03	12-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0506	0.0259	0.0250	98.6	70 - 130	X423206 - X4E0486-04	12-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

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 200.8	Arsenic	mg/L	0.0266	0.00163	0.0250	100	70 - 130	X423206 - X4E0509-03	12-Jun-24	
EPA 200.8	Cadmium	mg/L	0.0248	<0.000100	0.0250	99.4	70 - 130	X423206 - X4E0486-04	12-Jun-24	
EPA 200.8	Cadmium	mg/L	0.0252	<0.000100	0.0250	101	70 - 130	X423206 - X4E0509-03	12-Jun-24	
EPA 200.8	Chromium	mg/L	0.0240	<0.00100	0.0250	95.9	70 - 130	X423206 - X4E0486-04	12-Jun-24	
EPA 200.8	Chromium	mg/L	0.0245	<0.00100	0.0250	97.9	70 - 130	X423206 - X4E0509-03	12-Jun-24	
EPA 200.8	Copper	mg/L	0.0267	0.00294	0.0250	95.0	70 - 130	X423206 - X4E0486-04	12-Jun-24	
EPA 200.8	Copper	mg/L	0.0257	0.00182	0.0250	95.4	70 - 130	X423206 - X4E0509-03	12-Jun-24	
EPA 200.8	Lead	mg/L	0.0238	<0.00020	0.0250	95.4	70 - 130	X423206 - X4E0486-04	12-Jun-24	
EPA 200.8	Lead	mg/L	0.0245	0.00063	0.0250	95.5	70 - 130	X423206 - X4E0509-03	12-Jun-24	
EPA 200.8	Selenium	mg/L	0.0243	<0.00100	0.0250	93.8	70 - 130	X423206 - X4E0486-04	12-Jun-24	
EPA 200.8	Selenium	mg/L	0.0258	<0.00100	0.0250	100	70 - 130	X423206 - X4E0509-03	12-Jun-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.01	<0.080	1.00	101	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Aluminum	mg/L	1.04	<0.080	1.00	104	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Barium	mg/L	1.06	0.0379	1.00	102	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Barium	mg/L	1.09	0.0314	1.00	106	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Beryllium	mg/L	1.06	<0.00200	1.00	106	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Beryllium	mg/L	1.07	<0.00200	1.00	107	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Boron	mg/L	1.10	<0.0400	1.00	108	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Boron	mg/L	1.15	0.0485	1.00	110	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Cadmium	mg/L	1.03	<0.0020	1.00	103	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Cadmium	mg/L	1.04	<0.0020	1.00	104	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Calcium	mg/L	182	161	20.0	103	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Calcium	mg/L	131	104	20.0	0.30R>S	70 - 130	X423004 - X4E0509-03	07-Jun-24	M3
EPA 200.7	Chromium	mg/L	1.04	<0.0060	1.00	104	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Chromium	mg/L	1.07	<0.0060	1.00	107	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Cobalt	mg/L	1.01	<0.0060	1.00	100	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Cobalt	mg/L	1.01	<0.0060	1.00	101	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Copper	mg/L	1.04	<0.0100	1.00	104	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Copper	mg/L	1.06	<0.0100	1.00	106	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Iron	mg/L	10.2	<0.100	10.0	102	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Iron	mg/L	10.7	<0.100	10.0	107	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Lead	mg/L	1.02	<0.0075	1.00	102	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Lithium	mg/L	0.993	<0.040	1.00	99.3	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Lithium	mg/L	1.02	<0.040	1.00	102	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Magnesium	mg/L	36.7	16.9	20.0	99.2	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Magnesium	mg/L	48.5	25.7	20.0	114	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Manganese	mg/L	1.04	<0.0080	1.00	103	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Manganese	mg/L	1.10	0.0548	1.00	105	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Molybdenum	mg/L	1.07	0.0108	1.00	106	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Molybdenum	mg/L	1.07	<0.0080	1.00	107	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Nickel	mg/L	0.996	<0.0100	1.00	99.6	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Nickel	mg/L	1.00	<0.0100	1.00	100	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Potassium	mg/L	22.9	2.52	20.0	102	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Potassium	mg/L	24.3	2.73	20.0	108	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Silver	mg/L	0.0522	<0.0050	0.0500	104	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Silver	mg/L	0.0533	<0.0050	0.0500	107	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Sodium	mg/L	34.9	15.4	19.0	102	70 - 130	X423004 - X4E0433-01	07-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

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	Sodium	mg/L	58.6	36.7	19.0	115	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Vanadium	mg/L	1.06	<0.0050	1.00	106	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Vanadium	mg/L	1.08	0.0051	1.00	108	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.7	Zinc	mg/L	1.06	<0.0100	1.00	105	70 - 130	X423004 - X4E0433-01	07-Jun-24	
EPA 200.7	Zinc	mg/L	1.05	<0.0100	1.00	105	70 - 130	X423004 - X4E0509-03	07-Jun-24	
EPA 200.8	Antimony	mg/L	0.0252	<0.00200	0.0250	101	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Antimony	mg/L	0.0261	<0.00100	0.0250	104	70 - 130	X423062 - X4E0496-01	14-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0238	<0.00200	0.0250	95.3	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Arsenic	mg/L	0.0254	<0.00100	0.0250	101	70 - 130	X423062 - X4E0496-01	14-Jun-24	
EPA 200.8	Cadmium	mg/L	0.0580	0.0311	0.0250	108	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Cadmium	mg/L	0.0257	<0.000100	0.0250	103	70 - 130	X423062 - X4E0496-01	14-Jun-24	
EPA 200.8	Chromium	mg/L	0.0240	<0.00200	0.0250	93.7	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Chromium	mg/L	0.0260	<0.00100	0.0250	103	70 - 130	X423062 - X4E0496-01	14-Jun-24	
EPA 200.8	Copper	mg/L	0.0267	0.00193	0.0250	99.1	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Copper	mg/L	0.0270	<0.00040	0.0250	108	70 - 130	X423062 - X4E0496-01	14-Jun-24	
EPA 200.8	Lead	mg/L	0.0243	<0.00040	0.0250	97.1	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Lead	mg/L	0.0244	<0.00020	0.0250	97.6	70 - 130	X423062 - X4E0496-01	14-Jun-24	
EPA 200.8	Selenium	mg/L	0.0227	<0.00200	0.0250	90.8	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Selenium	mg/L	0.0224	<0.00100	0.0250	89.6	70 - 130	X423062 - X4E0496-01	14-Jun-24	
EPA 200.8	Silver	mg/L	0.0245	<0.000160	0.0250	98.2	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Silver	mg/L	0.0253	<0.00008	0.0250	101	70 - 130	X423062 - X4E0496-01	14-Jun-24	
EPA 200.8	Thallium	mg/L	0.0239	<0.000400	0.0250	95.4	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Thallium	mg/L	0.0244	<0.000200	0.0250	97.4	70 - 130	X423062 - X4E0496-01	14-Jun-24	
EPA 200.8	Uranium	mg/L	0.0247	0.000328	0.0250	97.4	70 - 130	X423062 - X4E0490-07	14-Jun-24	D1
EPA 200.8	Uranium	mg/L	0.0254	0.000146	0.0250	101	70 - 130	X423062 - X4E0496-01	14-Jun-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00201	<0.000200	0.00200	100	70 - 130	X422169 - X4E0450-01	04-Jun-24	
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	99.4	70 - 130	X422169 - X4E0490-03	04-Jun-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0880	<0.0050	0.100	88.0	79 - 121	X423066 - X4E0481-10	04-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X423197 - X4E0490-05	07-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.105	<0.0050	0.100	105	90 - 110	X423197 - X4E0490-04	07-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	105	90 - 110	X423071 - X4E0487-05	05-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.24	0.084	1.00	115	90 - 110	X423071 - X4E0487-04	05-Jun-24	M1
EPA 351.2	TKN	mg/L	8.11	<0.50	8.00	101	90 - 110	X423011 - X4E0450-04	04-Jun-24	
EPA 351.2	TKN	mg/L	7.87	0.62	8.00	90.6	90 - 110	X423011 - X4E0450-03	04-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0990	<0.0050	0.100	99.0	82 - 118	X424024 - X4E0490-03	11-Jun-24	
SM 4500 S D	Sulfide	mg/L	0.176	<0.050	0.200	88.0	75 - 125	X422214 - X4E0458-01	01-Jun-24	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0212	<0.0050	0.0200	106	75 - 125	X424043 - X4F0078-09	10-Jun-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.41	1.21	3.00	107	90 - 110	X422155 - X4E0483-01	30-May-24	
EPA 300.0	Chloride	mg/L	25.6	23.3	3.00	0.30R>S	90 - 110	X422155 - X4E0499-01	30-May-24	D2,M4
EPA 300.0	Fluoride	mg/L	2.08	<0.100	2.00	102	90 - 110	X422155 - X4E0483-01	30-May-24	
EPA 300.0	Fluoride	mg/L	2.07	0.118	2.00	97.4	90 - 110	X422155 - X4E0499-01	30-May-24	
EPA 300.0	Nitrate as N	mg/L	2.26	0.169	2.00	104	90 - 110	X422155 - X4E0483-01	30-May-24	
EPA 300.0	Nitrate as N	mg/L	12.0	10.2	2.00	90.5	90 - 110	X422155 - X4E0499-01	30-May-24	D2

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.36	0.169	4.00	105	90 - 110	X422155 - X4E0483-01	30-May-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	14.2	10.3	4.00	97.4	90 - 110	X422155 - X4E0499-01	30-May-24	
EPA 300.0	Nitrite as N	mg/L	2.10	<0.050	2.00	105	90 - 110	X422155 - X4E0483-01	30-May-24	
EPA 300.0	Nitrite as N	mg/L	2.15	0.063	2.00	104	90 - 110	X422155 - X4E0499-01	30-May-24	
EPA 300.0	Sulfate as SO4	mg/L	12.4	1.66	10.0	107	90 - 110	X422155 - X4E0483-01	30-May-24	
EPA 300.0	Sulfate as SO4	mg/L	94.9	87.1	10.0	0.30R>S	90 - 110	X422155 - X4E0499-01	30-May-24	D2,M4

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total)										
EPA 245.1	Mercury	mg/L	0.00219	0.00216	0.00200	1.6	20	100	X422165 - X4E0487-03	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	0.351	0.386	1.00	9.7	20	34.8	X423008 - X4E0450-02	M2
EPA 200.7	Beryllium	mg/L	1.01	0.989	1.00	1.7	20	98.7	X423008 - X4E0450-02	
EPA 200.7	Boron	mg/L	1.41	1.41	1.00	0.6	20	102	X423008 - X4E0450-02	
EPA 200.7	Calcium	mg/L	428	415	20.0	3.0	20	104	X423008 - X4E0450-02	
EPA 200.7	Chromium	mg/L	0.934	0.935	1.00	0.1	20	93.4	X423008 - X4E0450-02	
EPA 200.7	Iron	mg/L	69.6	68.8	10.0	1.2	20	86.1	X423008 - X4E0450-02	
EPA 200.7	Magnesium	mg/L	930	924	20.0	0.6	20	0.30R>S	X423008 - X4E0450-02	D2,M4
EPA 200.7	Manganese	mg/L	160	159	1.00	1.0	20	0.30R>S	X423008 - X4E0450-02	D2,M4
EPA 200.7	Molybdenum	mg/L	0.999	0.996	1.00	0.2	20	99.5	X423008 - X4E0450-02	
EPA 200.7	Nickel	mg/L	15.2	15.1	1.00	0.6	20	0.30R>S	X423008 - X4E0450-02	M2
EPA 200.7	Phosphorus	mg/L	1.11	1.10	1.00	0.6	20	105	X423008 - X4E0450-02	
EPA 200.7	Potassium	mg/L	25.5	24.9	20.0	2.1	20	107	X423008 - X4E0450-02	
EPA 200.7	Sodium	mg/L	53.2	51.9	19.0	2.5	20	110	X423008 - X4E0450-02	
EPA 200.7	Zinc	mg/L	53.2	53.9	1.00	1.2	20	0.30R>S	X423008 - X4E0450-02	D2,M4
EPA 200.8	Antimony	mg/L	0.0246	0.0250	0.0250	1.5	20	98.4	X423206 - X4E0486-04	
EPA 200.8	Arsenic	mg/L	0.0519	0.0506	0.0250	2.7	20	104	X423206 - X4E0486-04	
EPA 200.8	Cadmium	mg/L	0.0239	0.0248	0.0250	3.7	20	95.8	X423206 - X4E0486-04	
EPA 200.8	Chromium	mg/L	0.0245	0.0240	0.0250	2.1	20	98.0	X423206 - X4E0486-04	
EPA 200.8	Copper	mg/L	0.0273	0.0267	0.0250	2.1	20	97.3	X423206 - X4E0486-04	
EPA 200.8	Lead	mg/L	0.0235	0.0238	0.0250	1.3	20	94.2	X423206 - X4E0486-04	
EPA 200.8	Selenium	mg/L	0.0235	0.0243	0.0250	3.5	20	90.5	X423206 - X4E0486-04	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.04	1.01	1.00	2.5	20	104	X423004 - X4E0433-01	
EPA 200.7	Barium	mg/L	1.10	1.06	1.00	3.9	20	106	X423004 - X4E0433-01	
EPA 200.7	Beryllium	mg/L	1.08	1.06	1.00	1.9	20	108	X423004 - X4E0433-01	
EPA 200.7	Boron	mg/L	1.13	1.10	1.00	2.6	20	111	X423004 - X4E0433-01	
EPA 200.7	Cadmium	mg/L	1.06	1.03	1.00	2.5	20	106	X423004 - X4E0433-01	
EPA 200.7	Calcium	mg/L	182	182	20.0	0.2	20	104	X423004 - X4E0433-01	
EPA 200.7	Chromium	mg/L	1.08	1.04	1.00	3.2	20	108	X423004 - X4E0433-01	
EPA 200.7	Cobalt	mg/L	1.03	1.01	1.00	2.5	20	103	X423004 - X4E0433-01	
EPA 200.7	Copper	mg/L	1.08	1.04	1.00	3.2	20	107	X423004 - X4E0433-01	
EPA 200.7	Iron	mg/L	10.7	10.2	10.0	5.6	20	107	X423004 - X4E0433-01	
EPA 200.7	Lead	mg/L	1.05	1.02	1.00	2.7	20	105	X423004 - X4E0433-01	
EPA 200.7	Lithium	mg/L	1.02	0.993	1.00	2.6	20	102	X423004 - X4E0433-01	
EPA 200.7	Magnesium	mg/L	38.3	36.7	20.0	4.2	20	107	X423004 - X4E0433-01	
EPA 200.7	Manganese	mg/L	1.07	1.04	1.00	3.4	20	107	X423004 - X4E0433-01	
EPA 200.7	Molybdenum	mg/L	1.10	1.07	1.00	3.0	20	109	X423004 - X4E0433-01	
EPA 200.7	Nickel	mg/L	1.02	0.996	1.00	2.5	20	102	X423004 - X4E0433-01	
EPA 200.7	Potassium	mg/L	24.0	22.9	20.0	4.7	20	107	X423004 - X4E0433-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Silver	mg/L	0.0533	0.0522	0.0500	2.1	20	107	X423004 - X4E0433-01	
EPA 200.7	Sodium	mg/L	36.0	34.9	19.0	3.2	20	108	X423004 - X4E0433-01	
EPA 200.7	Vanadium	mg/L	1.10	1.06	1.00	3.5	20	110	X423004 - X4E0433-01	
EPA 200.7	Zinc	mg/L	1.08	1.06	1.00	2.2	20	107	X423004 - X4E0433-01	
EPA 200.8	Antimony	mg/L	0.0252	0.0252	0.0250	0.1	20	101	X423062 - X4E0490-07	D1
EPA 200.8	Arsenic	mg/L	0.0245	0.0238	0.0250	2.9	20	98.1	X423062 - X4E0490-07	D1
EPA 200.8	Cadmium	mg/L	0.0578	0.0580	0.0250	0.2	20	107	X423062 - X4E0490-07	D1
EPA 200.8	Chromium	mg/L	0.0249	0.0240	0.0250	3.7	20	97.3	X423062 - X4E0490-07	D1
EPA 200.8	Copper	mg/L	0.0272	0.0267	0.0250	1.7	20	101	X423062 - X4E0490-07	D1
EPA 200.8	Lead	mg/L	0.0243	0.0243	0.0250	0.3	20	97.3	X423062 - X4E0490-07	D1
EPA 200.8	Selenium	mg/L	0.0221	0.0227	0.0250	2.5	20	88.5	X423062 - X4E0490-07	D1
EPA 200.8	Silver	mg/L	0.0245	0.0245	0.0250	0.3	20	97.9	X423062 - X4E0490-07	D1
EPA 200.8	Thallium	mg/L	0.0239	0.0239	0.0250	0.3	20	95.7	X423062 - X4E0490-07	D1
EPA 200.8	Uranium	mg/L	0.0246	0.0247	0.0250	0.3	20	97.2	X423062 - X4E0490-07	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00204	0.00201	0.00200	1.5	20	102	X422169 - X4E0450-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0920	0.0880	0.100	4.4	11	92.0	X423066 - X4E0481-10	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.102	0.100	0.1	20	102	X423197 - X4E0490-05	
EPA 350.1	Ammonia as N	mg/L	1.05	1.06	1.00	1.1	20	103	X423071 - X4E0487-05	
EPA 351.2	TKN	mg/L	8.21	8.11	8.00	1.2	20	103	X423011 - X4E0450-04	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.0990	0.100	2.0	11	101	X424024 - X4E0490-03	
SM 4500 S D	Sulfide	mg/L	0.169	0.176	0.200	4.1	20	84.5	X422214 - X4E0458-01	
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0232	0.0212	0.0200	8.9	20	116	X424043 - X4F0078-09	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.45	4.41	3.00	0.9	20	108	X422155 - X4E0483-01	
EPA 300.0	Fluoride	mg/L	2.09	2.08	2.00	0.7	20	102	X422155 - X4E0483-01	
EPA 300.0	Nitrate as N	mg/L	2.27	2.26	2.00	0.4	20	105	X422155 - X4E0483-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.37	4.36	4.00	0.4	20	105	X422155 - X4E0483-01	
EPA 300.0	Nitrite as N	mg/L	2.10	2.10	2.00	0.3	20	105	X422155 - X4E0483-01	
EPA 300.0	Sulfate as SO4	mg/L	12.4	12.4	10.0	0.0	20	107	X422155 - X4E0483-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

HOLDING TIME SUMMARY

ASTM D7237

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1	05/29/24	05/30/24	06/04/24	6	14	06/04/24	6	14	
Seep-2	05/29/24	05/30/24	06/04/24	6	14	06/04/24	6	14	
EMP-16	05/29/24	05/30/24	06/04/24	6	14	06/04/24	6	14	
EMP-17	05/29/24	05/30/24	06/04/24	6	14	06/04/24	6	14	
EMP-17A	05/29/24	05/30/24	06/04/24	6	14	06/04/24	6	14	
EMP-17B	05/29/24	05/30/24	06/04/24	6	14	06/04/24	6	14	
GV-02	05/29/24	05/30/24	06/04/24	6	14	06/04/24	6	14	
GV-06	05/29/24	05/30/24	06/04/24	6	14	06/04/24	6	14	

HOLDING TIME SUMMARY

Calculation

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GV-02	05/29/24 15:30	05/30/24	06/10/24 12:58	11.9	1.0		1.0		*
GV-02	05/29/24 15:30	05/30/24	06/10/24 12:58	11.9	1.0		4.0		*
GV-06	05/29/24 11:12	05/30/24	06/10/24 12:58	12.1	1.0		1.0		*
GV-06	05/29/24 11:12	05/30/24	06/10/24 12:58	12.1	1.0		4.0		*

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

HOLDING TIME SUMMARY

EPA 245.1

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	
Seep-2	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	
EMP-16	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	
EMP-17	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	
EMP-17A	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	
EMP-17B	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	
GV-02	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	
GV-02	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	
GV-06	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	
GV-06	05/29/24	05/30/24	06/04/24	6	28	06/04/24	6	28	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

HOLDING TIME SUMMARY

EPA 300.0

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1	05/29/24 14:35	05/30/24	05/30/24 12:01	0.9	2.0	05/30/24 13:35	1.0	2.0	
Seep-1	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
Seep-1	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
Seep-2	05/29/24 14:55	05/30/24	05/30/24 12:01	0.9	2.0	05/30/24 14:06	1.0	2.0	
Seep-2	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
Seep-2	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
EMP-16	05/29/24 14:05	05/30/24	05/30/24 12:01	1.0	2.0	05/30/24 15:10	1.1	2.0	
EMP-16	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
EMP-16	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
EMP-17	05/29/24 13:20	05/30/24	05/30/24 12:01	1.0	2.0	05/30/24 15:42	1.1	2.0	
EMP-17	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
EMP-17	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
EMP-17A	05/29/24 13:40	05/30/24	05/30/24 12:01	1.0	2.0	05/30/24 16:13	1.1	2.0	
EMP-17A	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
EMP-17A	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
EMP-17B	05/29/24 13:00	05/30/24	05/30/24 12:01	1.0	2.0	05/30/24 16:45	1.2	2.0	
EMP-17B	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
EMP-17B	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
GV-02	05/29/24 15:30	05/30/24	05/30/24 12:01	0.9	2.0	05/30/24 17:17	1.1	2.0	
GV-02	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
GV-06	05/29/24 11:12	05/30/24	05/30/24 12:01	1.1	2.0	05/30/24 18:20	1.3	2.0	
GV-06	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	
GV-06	05/29/24	05/30/24	05/30/24	1	28	05/30/24	1	28	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

HOLDING TIME SUMMARY

EPA 335.4

Laboratory: **SVL Analytical, Inc.** SDG: **X4E0490**
Client: **Newmont - Cripple Creek & Victor** Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1	05/29/24	05/30/24	06/06/24	8	14	06/07/24	9	14	
Seep-2	05/29/24	05/30/24	06/06/24	8	14	06/07/24	9	14	
EMP-16	05/29/24	05/30/24	06/06/24	8	14	06/07/24	9	14	
EMP-17	05/29/24	05/30/24	06/06/24	8	14	06/07/24	9	14	
EMP-17A	05/29/24	05/30/24	06/06/24	8	14	06/07/24	9	14	
EMP-17B	05/29/24	05/30/24	06/06/24	8	14	06/07/24	9	14	
GV-02	05/29/24	05/30/24	06/06/24	8	14	06/07/24	9	14	
GV-06	05/29/24	05/30/24	06/06/24	8	14	06/07/24	9	14	

HOLDING TIME SUMMARY

EPA 350.1

Laboratory: **SVL Analytical, Inc.** SDG: **X4E0490**
Client: **Newmont - Cripple Creek & Victor** Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1	05/29/24	05/30/24	06/04/24	6	28	06/05/24	7	28	
Seep-2	05/29/24	05/30/24	06/04/24	6	28	06/05/24	7	28	
EMP-16	05/29/24	05/30/24	06/04/24	6	28	06/05/24	7	28	
EMP-17	05/29/24	05/30/24	06/04/24	6	28	06/05/24	7	28	
EMP-17A	05/29/24	05/30/24	06/04/24	6	28	06/05/24	7	28	
EMP-17B	05/29/24	05/30/24	06/04/24	6	28	06/05/24	7	28	
GV-02	05/29/24	05/30/24	06/04/24	6	28	06/05/24	7	28	
GV-06	05/29/24	05/30/24	06/04/24	6	28	06/05/24	7	28	

HOLDING TIME SUMMARY

EPA 351.2

Laboratory: **SVL Analytical, Inc.** SDG: **X4E0490**
Client: **Newmont - Cripple Creek & Victor** Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GV-02	05/29/24	05/30/24	06/03/24	5	28	06/04/24	6	28	
GV-06	05/29/24	05/30/24	06/03/24	5	28	06/04/24	6	28	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

HOLDING TIME SUMMARY

OIA 1677

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1	05/29/24	05/30/24	06/10/24	12	14	06/11/24	13	14	
Seep-2	05/29/24	05/30/24	06/10/24	12	14	06/11/24	13	14	
EMP-16	05/29/24	05/30/24	06/10/24	12	14	06/11/24	13	14	
EMP-17	05/29/24	05/30/24	06/10/24	12	14	06/11/24	13	14	
EMP-17A	05/29/24	05/30/24	06/10/24	12	14	06/11/24	13	14	
EMP-17B	05/29/24	05/30/24	06/10/24	12	14	06/11/24	13	14	
GV-02	05/29/24	05/30/24	06/10/24	12	14	06/11/24	13	14	
GV-06	05/29/24	05/30/24	06/10/24	12	14	06/11/24	13	14	

HOLDING TIME SUMMARY

SM 2310 B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1	05/29/24	05/30/24	06/06/24	8	14	06/06/24	8	14	
Seep-2	05/29/24	05/30/24	06/06/24	8	14	06/06/24	8	14	
EMP-16	05/29/24	05/30/24	06/06/24	8	14	06/06/24	8	14	
EMP-17	05/29/24	05/30/24	06/06/24	8	14	06/06/24	8	14	
EMP-17A	05/29/24	05/30/24	06/06/24	8	14	06/06/24	8	14	
EMP-17B	05/29/24	05/30/24	06/06/24	8	14	06/06/24	8	14	
GV-02	05/29/24	05/30/24	06/06/24	8	14	06/06/24	8	14	
GV-06	05/29/24	05/30/24	06/06/24	8	14	06/06/24	8	14	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

HOLDING TIME SUMMARY

SM 2320 B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1	05/29/24	05/30/24	06/03/24	5	14	06/03/24	5	14	
Seep-2	05/29/24	05/30/24	06/03/24	5	14	06/03/24	5	14	
EMP-16	05/29/24	05/30/24	06/03/24	5	14	06/03/24	5	14	
EMP-17	05/29/24	05/30/24	06/03/24	5	14	06/03/24	5	14	
EMP-17A	05/29/24	05/30/24	06/03/24	5	14	06/03/24	5	14	
EMP-17B	05/29/24	05/30/24	06/03/24	5	14	06/03/24	5	14	
GV-02	05/29/24	05/30/24	06/03/24	5	14	06/03/24	5	14	
GV-06	05/29/24	05/30/24	06/03/24	5	14	06/03/24	5	14	

HOLDING TIME SUMMARY

SM 2540 C

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1		05/30/24		2	7		3.0		
Seep-2		05/30/24		2	7		3.0		
EMP-16		05/30/24		2	7		3.0		
EMP-17		05/30/24		2	7		3.0		
EMP-17A		05/30/24		2	7		3.0		
EMP-17B		05/30/24		2	7		3.0		
GV-02		05/30/24		2	7		3.0		
GV-06		05/30/24		2	7		3.0		

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0490**
Reported: 25-Jun-24 11:16

HOLDING TIME SUMMARY

SM 2540 D

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1		05/30/24		2	7		3.0		
Seep-2		05/30/24		2	7		3.0		
EMP-16		05/30/24		2	7		3.0		
EMP-17		05/30/24		2	7		3.0		
EMP-17A		05/30/24		2	7		3.0		
EMP-17B		05/30/24		2	7		3.0		
GV-02		05/30/24		2	7		3.0		
GV-06		05/30/24		2	7		3.0		

HOLDING TIME SUMMARY

SM 3500 Cr B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4E0490**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GV-02	05/29/24 15:30	05/30/24	06/10/24 12:58	11.9	1.0	06/10/24 17:55	12.1	1.0	*
GV-06	05/29/24 11:12	05/30/24	06/10/24 12:58	12.1	1.0	06/10/24 17:55	12.3	1.0	*

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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: **X4E0490**
Reported: 25-Jun-24 11:16

HOLDING TIME SUMMARY

SM 4500 H B

Laboratory: **SVL Analytical, Inc.**
SDG: **X4E0490**
Client: **Newmont - Cripple Creek & Victor**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Seep-1	05/29/24 14:35	05/30/24	06/03/24 08:08	4.8	0.0	06/03/24 16:32	5.1	0.0	H5
Seep-2	05/29/24 14:55	05/30/24	06/03/24 08:08	4.8	0.0	06/03/24 16:46	5.1	0.0	H5
EMP-16	05/29/24 14:05	05/30/24	06/03/24 08:08	4.8	0.0	06/03/24 16:51	5.2	0.0	H5
EMP-17	05/29/24 13:20	05/30/24	06/03/24 08:08	4.8	0.0	06/03/24 16:56	5.2	0.0	H5
EMP-17A	05/29/24 13:40	05/30/24	06/03/24 08:08	4.8	0.0	06/03/24 17:01	5.2	0.0	H5
EMP-17B	05/29/24 13:00	05/30/24	06/03/24 08:08	4.8	0.0	06/03/24 17:05	5.2	0.0	H5
GV-02	05/29/24 15:30	05/30/24	06/03/24 08:08	4.7	0.0	06/03/24 17:11	5.1	0.0	H5
GV-06	05/29/24 11:12	05/30/24	06/03/24 08:08	4.9	0.0	06/03/24 17:15	5.3	0.0	H5

HOLDING TIME SUMMARY

SM 4500 S D

Laboratory: **SVL Analytical, Inc.**
SDG: **X4E0490**
Client: **Newmont - Cripple Creek & Victor**
Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GV-02	05/29/24	05/30/24	06/01/24	3	7	06/01/24	3	7	
GV-06	05/29/24	05/30/24	06/01/24	3	7	06/01/24	3	7	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4E0490**
Victor, CO 80860	Reported: 25-Jun-24 11:16

HOLDING TIME SUMMARY

SM 4500-O-G

Laboratory: **SVL Analytical, Inc.** SDG: **X4E0490**

Client: **Newmont - Cripple Creek & Victor** Project: **Cripple Creek/Victor Water and Soil 2024**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GV-02	05/29/24 15:30	05/30/24	06/03/24 16:35	5.1	0.0	06/03/24 16:35	5.1	0.0	H3
GV-06	05/29/24 11:12	05/30/24	06/03/24 16:35	5.3	0.0	06/03/24 16:35	5.3	0.0	H3

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
E11	Sample exceeds method-specified limit for solids content.
H3	Sample was received and/or analysis requested past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
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.
Q24	COC was not relinquished by the client or an agent of the client.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
U	Less than MDL.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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QA/QC

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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: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-125**
SVL Sample ID: **X4E0125-02 (Ground Water)**

Sampled: 07-May-24 09:14
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	466	mg/L	1.00	0.690	10	X420003	NMS	05/14/24 18:54	D2
EPA 200.7	**Magnesium**	191	mg/L	0.500	0.090		X420003	NMS	05/14/24 17:16	
EPA 200.7	**Potassium**	5.52	mg/L	0.50	0.18		X420003	NMS	05/14/24 17:16	
SM 2340 B	**Hardness (as CaCO3)**	1970	mg/L	2.31	0.543		N/A		05/21/24 09:58	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	213	mg/L	0.080	0.054		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Barium**	0.0097	mg/L	0.0020	0.0019		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Beryllium**	0.222	mg/L	0.00200	0.00080		X419175	NMS	05/21/24 09:58	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Cadmium**	0.520	mg/L	0.0020	0.0016		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Calcium**	475	mg/L	0.100	0.069		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Chromium**	0.0163	mg/L	0.0060	0.0020		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Cobalt**	0.491	mg/L	0.0060	0.0046		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Copper**	0.719	mg/L	0.0100	0.0027		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Iron**	0.378	mg/L	0.100	0.056		X419175	NMS	05/21/24 09:58	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Lithium**	0.097	mg/L	0.040	0.025		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Magnesium**	181	mg/L	0.500	0.090		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Manganese**	73.9	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 09:58	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Nickel**	0.890	mg/L	0.0100	0.0048		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Potassium**	5.22	mg/L	0.50	0.18		X419175	NMS	05/21/24 09:58	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Sodium**	36.1	mg/L	0.50	0.12		X419175	NMS	05/21/24 09:58	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 09:58	
EPA 200.7	**Zinc**	19.0	mg/L	0.0100	0.0054		X419175	NMS	05/21/24 09:58	
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X419226	SMU	05/20/24 18:45	D1
EPA 200.8	Arsenic	< 0.100	mg/L	0.100	0.0210	100	X419226	SMU	05/20/24 18:45	D1
EPA 200.8	Selenium	< 0.100	mg/L	0.100	0.0240	100	X419226	SMU	05/20/24 18:45	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X419226	SMU	05/20/24 18:45	D1
EPA 200.8	**Uranium**	0.601	mg/L	0.0100	0.00520	100	X419226	SMU	05/20/24 18:45	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420050	MAC	05/15/24 15:04	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X421014	DD	05/23/24 11:11	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 10:52	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X419185	JPM	05/10/24 10:06	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420066	DD	05/15/24 11:24	
SM 2310 B	**Acidity to pH 8.3**	1360	mg/L as CaCO3	10.0			X419182	MWD	05/10/24 07:42	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:42	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:42	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:42	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 13:42	
SM 2540 C	**Total Diss. Solids**	4270	mg/L	40			X419120	TJL	05/09/24 13:50	D2
SM 2540 D	**Total Susp. Solids**	20.0	mg/L	5.0			X419121	TJL	05/09/24 15:00	
SM 4500 H B	**pH @20.8°C**	3.8	pH Units				X419144	MWD	05/09/24 13:42	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **GVMW-125**
SVL Sample ID: **X4E0125-02 (Ground Water)**

Sampled: 07-May-24 09:14
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	31.2	mg/L	1.00	0.11	5	X419118	RS	05/08/24 15:47	D2
EPA 300.0	**Fluoride**	9.00	mg/L	0.500	0.085	5	X419118	RS	05/08/24 15:47	D2
EPA 300.0	**Nitrate as N**	2.94	mg/L	0.250	0.065	5	X419118	RS	05/08/24 15:47	D1
EPA 300.0	**Nitrate+Nitrite as N**	2.94	mg/L	0.500	0.220	5	X419118	RS	05/08/24 15:47	D1
EPA 300.0	Nitrite as N	< 0.250	mg/L	0.250	0.155	5	X419118	RS	05/08/24 15:47	D1
EPA 300.0	**Sulfate as SO4**	3300	mg/L	30.0	18.0	100	X419118	RS	05/08/24 16:05	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 67.1 meq/L Anion Sum: 70.3 meq/L C/A Balance: -2.36 % Calculated TDS: 4051 TDS/cTDS: 1.05

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

Tawnya M. Hall
Project Manager Assistant

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **RB-0507**
SVL Sample ID: **X4E0125-07 (Ground Water)**

Sampled: 07-May-24 14:15
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X420003	NMS	05/14/24 17:36	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X420003	NMS	05/14/24 17:36	
EPA 200.7	**Potassium**	51.4	mg/L	0.50	0.18		X420003	NMS	05/14/24 17:36	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		05/14/24 17:36	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X419175	NMS	05/21/24 10:18	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X419175	NMS	05/21/24 10:18	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X419175	NMS	05/21/24 10:18	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X419175	NMS	05/21/24 10:18	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X419175	NMS	05/21/24 10:18	
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X419175	NMS	05/21/24 10:18	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X419175	NMS	05/21/24 10:18	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X419175	NMS	05/21/24 10:18	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X419175	NMS	05/21/24 10:18	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X419175	NMS	05/21/24 10:18	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X419175	NMS	05/21/24 10:18	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X419175	NMS	05/21/24 10:18	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X419175	NMS	05/21/24 10:18	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:18	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X419175	NMS	05/21/24 10:18	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X419175	NMS	05/21/24 10:18	
EPA 200.7	**Potassium**	3.42	mg/L	0.50	0.18		X419175	NMS	05/21/24 10:18	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:18	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X419175	NMS	05/21/24 10:18	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X419175	NMS	05/21/24 10:18	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X419175	NMS	05/21/24 10:18	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X419226	SMU	05/20/24 17:58	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X419226	SMU	05/20/24 17:58	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X419226	SMU	05/20/24 17:58	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X419226	SMU	05/20/24 17:58	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X419226	SMU	05/20/24 17:58	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X420050	MAC	05/15/24 15:19	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @23.0°C	< 0.0050	mg/L	0.0050	0.0048		X421015	DD	05/28/24 13:03	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X420008	JPM	05/14/24 11:06	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X419185	JPM	05/10/24 10:16	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X420066	DD	05/15/24 11:36	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X419182	MWD	05/10/24 07:42	
SM 2320 B	**Total Alkalinity**	2.7	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:17	
SM 2320 B	**Bicarbonate**	2.7	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:17	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:17	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X419144	MWD	05/09/24 14:17	
SM 2540 C	**Total Diss. Solids**	25	mg/L	10			X419120	TJL	05/09/24 13:50	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X419121	TJL	05/09/24 15:00	
SM 4500 H B	**pH @21.6°C**	6.3	pH Units				X419144	MWD	05/09/24 14:17	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: **X4E0125**
Reported: 31-May-24 15:41

Client Sample ID: **RB-0507**
SVL Sample ID: **X4E0125-07 (Ground Water)**

Sampled: 07-May-24 14:15
Received: 08-May-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	8.16	mg/L	0.20	0.02		X419118	RS	05/08/24 11:53	
EPA 300.0	Fluoride	< 0.100	mg/L	0.100	0.017		X419118	RS	05/08/24 11:53	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X419118	RS	05/08/24 11:53	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X419118	RS	05/08/24 11:53	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X419118	RS	05/08/24 11:53	
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X419118	RS	05/08/24 11:53	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.12 meq/L Anion Sum: 0.29 meq/L C/A Balance: -42.93 % Calculated TDS: 37 TDS/cTDS: 0.67

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

Tawnya M. Hall
Project Manager Assistant

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Attachment 2

Surface Water Calculations

GV-02

Sample Date: 5/29/2024

Data for Calculations:		
pH	4.7	std units
Hardness	989	mg/L
Temperature	11.9	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-02 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	**4.7**
Temperature (^{o}C)	< 21.7	< 17	11.9
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	7.080839833	38.8790425	<0.030
Boron	0.750	---	<0.0400
Chloride	250.000	---	26.8
Chlorine	0.011	0.019	-
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	<0.050
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.100
Sulfate	250.000	---	**1,110**
Phosporus	0.110	---	<0.050
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00200
Arsenic (T)*	---	0.00300	<0.00100
Cadmium	0.01519	0.00400	**0.0311**
Cadmium (T)	0.00500	---	**0.0291**
Chromium (III)	---	0.48415	<0.00700
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.11643	0.06346	0.00193
Iron	---	0.30000	<0.100
Iron (T)	---	1.00000	<0.100
Lead	0.68996	0.02689	<0.00040
Lead (T)	0.05000	---	<0.00020
Manganese	6.40535	3.53896	**91.5**
Mercury (T)	---	0.00001	<0.000093
Molybdenum (T)	---	0.15000	<0.0080
Nickel	3.25388	0.36141	**0.443**
Nickel (T)	---	0.10000	**0.438**
Selenium	0.01840	0.00460	<0.00200
Silver	0.10450	0.00387	<0.000160
Uranium	0.01680	0.01680	0.000328
Zinc	1.28576	0.97385	**8.58**

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

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

- Invalid results, past regulatory hold time

GV-06

Sample Date: 5/29/2023

Data for Calculations:		
pH	7.24	std units
Hardness	219	mg/L
Temperature	14.4	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-06 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	7.24
Temperature (^{o}C)	< 21.7	< 17	14.4
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	5.269	18.835	<0.030
Boron	0.750	---	<0.0400
Chloride	250.000	---	6.87
Chlorine	0.011	0.019	-
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	<0.050
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.050
Sulfate	250.000	---	181
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	0.00373	0.00129	<0.000100
Cadmium (T)	0.00500	---	<0.000100
Chromium (III)	---	0.14084	<0.0110
Chromium (III) (T)	0.05000	---	<0.0160
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.02813	0.01750	<0.00040
Iron	---	0.30000	**0.454**
Iron (T)	---	1.00000	**1.33**
Lead	0.14989	0.00584	<0.00020
Lead (T)	0.05000	---	<0.00020
Manganese	3.87655	2.14180	1.02
Mercury (T)	---	0.00001	<0.000093
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.90883	0.10094	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00782	0.00029	<0.00008
Uranium	0.01680	0.01680	0.000349
Zinc	0.32638	0.24721	<0.0100

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

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

- Invalid results, past regulatory hold time

Newmont
NORTH AMERICA

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Attachment 3

Sampling Logs

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 41.7
Is well Dry? NO
If so Dry at: —
Date: 5-13-24
Quarter: 2
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
11:03			7.09	92.3	5.2	3.06	89.8	
11:08	41.8	0.1	6.48	102.1	5.0	1.58	41.3	
11:13	41.9	0.1	6.50	103.3	5.0	1.82	19.3	
11:18	41.95	0.05	6.47	103.4	5.0	2.23	11.4	0.29 L/m
11:23	42.0	0.05	6.46	103.3	5.1	2.57	6.6	
11:28	42.0	0	6.46	103.2	5.0	2.78	3.3	
11:33	42.0	0	6.46	103.0	5.1	2.86	0.2	
11:38	42.0	0	6.46	102.9	5.0	2.93	-1.8	
		TOTAL 0.3						

34

Sample Method: Low Flow Rate (gpm): ~0.07 Time Start: 11:03 Time End: 11:38
* Flow rate at stabilization (during sample collection)

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.46	±0.1	(Y) / N	
Conductivity	102.9	3%	(Y) / N	
Temp (deg C)	5.0	3%	(Y) / N	
Dissolved Oxyge	2.93	10%	(Y) / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	-1.8	±10	~~Y~~ / (N)	
DTW Stabilized	42.0	feet	(Y) / N	
Final H2O level	42.0	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) ~3.8
* See Field Volume Guide following stabilization

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

Decontamination procedure used: Triple rinse w/ liquinox.

Weather: 50°, clear, cool

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:

unable to stabilize ORP use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 45.35
Date: 5-13-24
Quarter: 2
Well ID: GVMW-7A
Well Depth (TD): 200 feet
Is well Dry? NO
If so Dry at: —

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:31			7.45	150.5	7.1	14.09	112.3	
9:36	45.55	0.2	7.45	151.4	6.6	13.26	47.3	
9:41	45.65	0.1	7.48	157.4	6.6	12.65	9.0	
9:46	45.7	0.05	7.47	158.2	6.8	11.75	-3.0	0.34 L/M (36)
9:51	45.75	0.05	7.47	158.3	6.8	10.82	-10.5	
9:56	45.8	0.05	7.47	157.3	6.9	10.12	-17.0	
10:01	45.85	0.05	7.47	156.8	6.9	9.33	-25.5	
10:06	45.9	0.05	7.47	156.0	7.0	9.09	-24.9	
10:11	45.9	0	7.47	156.0	7.0	8.54	-27.0	
		Total 0.55'						

Sample Method: Low Flow
Rate (gpm): ~0.05 * Flow rate at stabilization (during sample collection)
Time Start: 9:31 Time End: 10:11

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.47	±0.1	Y / N	
Conductivity	156.0	3%	Y / N	
Temp (deg C)	7.0	3%	Y / N	
Dissolved Oxyge	8.54	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	-27.0	±10	Y / N	
DTW Stabilized	45.9	feet	Y / N	
Final H2O level	45.9	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 1.24 Actual vol. pumped (gal): ~4.5

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

Weather: 45° clear, cool
Signature:

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

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

Show Calculations:
0.1 + 1.14 = 1.24 use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: R. Barela
Static Water Level (DTW): 33.6
Is well Dry? NO
If so Dry at: —
Date: 5-13-24
Quarter: 2
Well ID: GVMW-7B
Well Depth (TD): 49 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
8:44			7.06	494.7	6.3	12.33	132.5	
8:49	33.0	0.4	7.20	447.5	6.4	11.36	131.4	
8:54	33.15	0.15	7.23	387.1	6.0	12.60	127.6	
8:59	33.15	0	7.24	383.0	6.2	12.31	126.7	0.12 4m (26)
9:04	33.15	0	7.24	382.7	6.3	10.82	125.5	
9:09	33.2	0.05	7.24	377.2	6.2	11.33	125.8	
9:14	33.2	0	7.24	374.8	6.2	10.90	125.0	
		Total 0.6						

Sample Method: Low Flow
Rate (gpm): 2.0 .03 * Flow rate at stabilization (during sample collection)
Time Start: 8:44 Time End: 9:14

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.24	±0.1	Y / N	
Conductivity	374.8	3%	Y / N	
Temp (deg C)	6.2	3%	Y / N	
Dissolved Oxyge	10.90	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	125.0	±10	Y / N	
DTW Stabilized	33.2	feet	Y / N	
Final H2O level	33.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
* See Field Volume Guide
If yes, required pump vol (gal): 0.39 following stabilization
Actual vol. pumped (gal) ~1.5

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

Weather: 45°, clear, cool
Signature:

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

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

Show Calculations:
0.1 + 0.29 = 0.39
use 5gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 137.1
Is well Dry? NO
If so Dry at: —
Date: 5-9-24
Quarter: 2
Well ID: GVMW-8A
Well Depth (TD): 229.05 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
8:32			6.95	174.6	5.1	85.36	177.3	
8:37	137.15	0.05	6.96	174.9	5.0	27.54	174.8	
8:42	137.15	0	6.89	175.6	5.0	20.30	171.3	
* 8:47	137.15	0	6.90	175.0	5.4	21.68	168.3	0.26 L/m (271)
8:52	137.15	0	6.89	175.4	5.5	16.21	164.6	
8:57	137.15	0	6.88	175.2	5.6	15.75	158.4	
9:02	137.2	0.05	6.89	178.5	5.6	14.90	155.0	
		Total 0.1						

Sample Method: Low Flow
Rate (gpm): ~0.06 * Flow rate at stabilization (during sample collection)
Time Start: 8:32 Time End: 9:02

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.89	±0.1	Y / N	
Conductivity	178.5	3%	Y / N	
Temp (deg C)	5.6	3%	Y / N	
Dissolved Oxyger	14.90	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	155.0	±10	Y / N	
DTW Stabilized	137.2	feet	Y / N	
Final H2O level	137.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) * See Field Volume Guide
If yes, required pump vol (gal): — following stabilization
Actual vol. pumped (gal) 21.5

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

Weather: 32° cold, 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:
Use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 31.95
Date: 5-9-24
Quarter: 2
Well ID: GVMW-8B
Well Depth (TD): 47.37 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
7:32			6.60	234.8	4.9	4.9	200.5	
7:37	32.65	0.7	6.69	234.4	5.3	17.60	193.2	
7:42	32.70	0.05	6.77	165.5	5.6	15.33	183.3	
7:47	32.70	0	6.78	160.7	5.7	14.69	176.9	0.18 L/m
7:52	32.70	0	6.76	161.4	5.8	13.03	173.5	
7:57	32.70	0	6.75	161.5	5.9	12.49	172.8	
8:02	32.70	0	6.75	160.4	5.9	13.10	172.4	
8:07	32.70	0	6.74	160.1	6.0	11.96	172.9	
		Total 0.75'						

Sample Method: Low Flow
Rate (gpm): ~0.04 * Flow rate at stabilization (during sample collection)
Time Start: 7:32 Time End: 8:07

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.74	±0.1	Y / N	
Conductivity	160.1	3%	Y / N	
Temp (deg C)	6.0	3%	Y / N	
Dissolved Oxyge	11.96	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	172.9	±10	Y / N	
DTW Stabilized	32.70	feet	Y / N	
Final H2O level	32.70	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 3.09
Actual vol. pumped (gal) ~3.5

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

Weather: 25° cloudy, cold
Signature:

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

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

Show Calculations:
2.8 + 0.29 = 3.09
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 231.6
Date: 5-13-24
Quarter: 2
Well ID: GVMW-10
Well Depth (TD): 265 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
12:37			6.97	625.2	6.9	4.49	121.8	
12:42	231.7	0.1	6.97	629.4	6.6	4.37	114.1	
12:47	231.7	0	6.98	632.6	6.5	4.26	105.1	
* 12:52	231.7	0	7.01	635.8	6.4	4.06	97.9	0.29 L/M
12:57	231.7	0	7.01	642.2	6.6	4.03	92.1	
1:02	231.7	0	7.02	627.2	6.6	3.86	87.3	
1:07	231.7	0	7.02	624.9	6.7	3.84	84.0	
		Total 0.1'						

Sample Method: LOW FLOW
Rate (gpm): ~0.07 * Flow rate at stabilization (during sample collection)
Time Start: 12:37 Time End: 1:07

Final Parameter	Stabilization Guidance		Met?	Comments
pH	7.02	±0.1	Y / N	
Conductivity	624.9	3%	Y / N	
Temp (deg C)	6.7	3%	Y / N	
Dissolved Oxyge	3.84	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	84.0	±10	Y / N	
DTW Stabilized	231.7	feet	Y / N	
Final H2O level	231.7	feet		

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

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

Weather: 50°, clear, cool
Signature:

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

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

Show Calculations:
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 93.0
Is well Dry? NO
If so Dry at: —

Date: 5-9-24
Quarter: 2
Well ID: GVMW-15A
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
11:20			6.51	156.5	4.3	14.64	84.7	
11:25	93.75	0.75	6.56	156.3	4.3	14.47	58.9	
11:30	93.8	0.05	6.60	156.5	4.1	13.55	35.6	
11:35	93.8	0	6.61	156.7	4.2	12.72	24.1	0.26 4M
11:40	93.85	0.05	6.62	156.8	3.9	12.80	18.6	
11:45	93.85	0	6.65	156.2	4.0	11.78	12.3	
11:50	93.9	0.05	6.60	156.5	4.1	11.40	7.6	
		total 0.9'						

Sample Method: Low Flow
Rate (gpm): ~0.06 * Flow rate at stabilization (during sample collection)
Time Start: 11:20 Time End: 11:50

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.60	±0.1	Y / N	
Conductivity	156.5	3%	Y / N	
Temp (deg C)	4.1	3%	Y / N	
Dissolved Oxyger	11.40	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	7.6	±10	Y / N	
DTW Stabilized	93.9	feet	Y / N	
Final H2O level	93.9	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal): 6.47 following stabilization
Actual vol. pumped (gal) ~3.5

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

Weather: 32° Cold, 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:
Not representative of aquifer. unable to stabilize PH, DO, ORP.
~5.9 + 0.57 = 6.47

use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Date: 5-9-24
Technician: P. Barela
Quarter: 2
Static Water Level (DTW): 82.8
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
10:15			4.73	194.3	4.5	5.26	147.6	
10:20	82.9	0.1	4.76	191.8	4.2	4.76	135.8	
10:25	82.9	0	4.75	192.2	4.0	4.62	128.4	
10:30	82.9	0	4.78	191.6	4.1	4.96	125.1	
10:35	82.9	0	4.79	191.0	4.3	5.07	123.4	0.15 L/M
10:40	82.9	0	4.79	191.9	4.4	5.16	122.0	
10:45	82.9	0	4.78	191.3	4.5	5.07	120.6	
10:50	82.9	0	4.79	190.9	4.5	5.09	120.0	
		10.01						
		0.1'						

Sample Method: Low Flow
Rate (gpm): ~0.03 * Flow rate at stabilization (during sample collection)
Time Start: 10:15 Time End: 10:50

Final Parameter	Stabilization Guidance		Met?	Comments
pH	4.79	±0.1	Y / N	
Conductivity	190.9	3%	Y / N	
Temp (deg C)	4.5	3%	Y / N	
Dissolved Oxyge	5.09	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	120.0	±10	Y / N	
DTW Stabilized	82.9	feet	Y / N	
Final H2O level	82.9	feet		

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

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

Weather: 32° cold, 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:
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: R. Barela
Static Water Level (DTW): —
Date: 5-9-24
Quarter: 2
Well ID: GVMW-15C
Well Depth (TD): 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
10:00								

NO Sample
Dry

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

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

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

O/G visible: X / N
Turbid? Y / N
Equipment Decontaminated: Y / N
Decontamination procedure used: use soundir

Weather: 32°
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

Date: 5-7-24

Location: BB-0507

Quarter: 2

Technician: P. Barela

Time	pH (S.U.)	Cond (uS/cm)	Temp (°C)	Notes
2:15	5.24	89.9	16.9	ORP 142.6

Sample Method: Grab

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather:

Signature:

Comments:

Collected BB after collecting GrmW-22A

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 2.9
Is well Dry? NO
If so Dry at: — feet

Date: 5-7-24
Quarter: 2
Well ID: GVMW-22A
Well Depth (TD): 70

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:53			7.90	132.4	4.7	4.64	165.3	
12:58	2.7	+0.2	7.91	132.1	5.3	3.47	158.2	
1:03	2.95	0.05	7.94	132.4	4.9	3.10	151.2	
1:08	3.05	0.1	7.93	132.2	5.6	2.64	145.7	0.10 4hr
1:13	3.15	0.1	7.93	132.6	5.6	2.42	142.1	
1:18	3.15	0	7.93	132.6	5.7	2.45	138.9	
1:23	3.2	0.05	7.93	132.4	5.7	2.27	135.0	
		Total 0.3'						

(10)

Sample Method: Low Flow
Rate (gpm): ~0.02
* Flow rate at stabilization (during sample collection)
Time Start: 12:53 Time End: 1:23

Final Parameter	Stabilization Guidance		Met?	Comments
pH	7.93	±0.1	Y / N	
Conductivity	132.4	3%	Y / N	
Temp (deg C)	5.7	3%	Y / N	
Dissolved Oxyger	2.27	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	135.0	±10	Y / N	
DTW Stabilized	3.2	feet	Y / N	
Final H2O level	3.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 0.6
Actual vol. pumped (gal): ~1

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

Weather: 32° windy, cold
Signature:

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

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

Show Calculations:
0.2 + 0.40 = 0.6 wk 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 1.6
Is well Dry? NO
If so Dry at: — feet

Date: 5-7-24
Quarter: 2
Well ID: GVMW-22B
Well Depth (TD): 30

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:05			6.83	89.1	5.5	6.85	169.1	
12:10	1.9	0.3	6.83	88.0	5.5	6.79	165.5	
12:15	1.9	0	6.86	88.5	5.4	6.75	160.8	0.62 L/m (S)
12:20	2	0.1	6.87	86.9	5.3	6.06	156.8	
12:25	1.9	+0.1	6.87	87.0	5.4	5.83	154.7	
12:30	1.9	0	6.87	86.4	5.4	5.70	152.4	
		Total						
		0.3						

Sample Method: Low Flow
Rate (gpm): ~0.16 * Flow rate at stabilization (during sample collection)
Time Start: 12:05 Time End: 12:30

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.87	±0.1	Y / N	
Conductivity	86.4	3%	Y / N	
Temp (deg C)	5.4	3%	Y / N	
Dissolved Oxyge	5.70	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	152.4	±10	Y / N	
DTW Stabilized	1.9	feet	Y / N	
Final H2O level	1.9	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
* See Field Volume Guide
If yes, required pump vol (gal): 0.37 following stabilization
Actual vol. pumped (gal) ~4.5

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

Weather: 32° cold, windy
Signature:

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

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

Show Calculations:
0.2 + 0.17 = 0.37
4½ gal total

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: D. Barela
Static Water Level (DTW): 213
Date: 5/13/24
Quarter: 2
Well ID: GVMW-24A
Well Depth (TD): 249.8
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
2:00								NO SAMPLE

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

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

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

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

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:
Unable to collect sample. Tubing fell inside well which too far to collect sample.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): —
Is well Dry? Yes
If so Dry at: 100 feet

Date: 5-7-24
Quarter: 2
Well ID: GVMW-24B
Well Depth (TD): 100

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:55								

Dry
NO Sample

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

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

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

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

Decontamination procedure used: use soapy

Weather: 32° cold windy
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
Date: 5-7-24
Technician: P. Barela
Quarter: 2
Static Water Level (DTW): 32
Well ID: GVMW-125
Well Depth (TD): 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
9:14	32.2	0	3.96	525.1	5.2	14.01	319.7	

DUPLICATE OF GVMW-25

Sample Method: Low Flow
Rate (gpm): 20.16 * Flow rate at stabilization (during sample collection)
Time Start: 8:44 Time End: 9:14

Final Parameters	Stabilization Guidance		Met?	Comments
pH	3.96	±0.1	(Y) / N	
Conductivity	525.1	3%	(Y) / N	
Temp (deg C)	5.2	3%	(Y) / N	
Dissolved Oxyger	14.01	10%	(Y) / N	
Turbidity	—	10%	(Y) / N	
Oxidation/Reduction	319.7	±10	(Y) / N	
DTW Stabilized	32.2	feet	(Y) / N	
Final H2O level	32.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) 25
* See Field Volume Guide
following stabilization

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

Weather: 32°, cold, windy
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 32
Date: 5-7-24
Quarter: 2
Well ID: GVMW-25
Well Depth (TD): 79
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
8:44			4.01	536.8	4.8	12.54	214.2	
8:49	32.2	0.2	4.01	531.4	5.2	18.78	231.1	
8:54	32.2	0	4.00	530.9	5.2	16.66	251.7	
8:59	32.25	0.05	3.99	528.2	5.2	15.58	276.8	~0.63 4m
9:04	32.2	+0.05	3.97	529.0	5.3	14.78	291.2	
9:09	32.2	0	3.96	531.4	5.2	14.48	310.7	
9:14	32.2	0	3.96	525.1	5.2	14.01	319.7	
		TOTAL						
		0.25						

Sample Method: Low Flow
Rate (gpm): ~0.16 * Flow rate at stabilization (during sample collection)
Time Start: 8:44 Time End: 9:14

Final Parameters	Stabilization Guidance		Met?	Comments
pH	3.96	±0.1	Y / N	
Conductivity	525.1	3%	Y / N	
Temp (deg C)	5.2	3%	Y / N	
Dissolved Oxygen	14.01	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	319.7	±10	Y / N	
DTW Stabilized	32.2	feet	Y / N	
Final H2O level	32.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) ~5
* See Field Volume Guide
following stabilization

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

Weather: 32° cold, wind x
Signature:

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

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

Show Calculations:
Use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 4.5
Date: 5-7-24
Quarter: 2
Well ID: GVMW-26A
Well Depth (TD): 70 feet
Is well Dry? NO
If so Dry at: —

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:02			7.64	353.3	3.6	4.84	199.6	
10:07	4.5	0	7.87	145.3	3.6	2.47	197.0	
10:12	4.9	0.4	7.95	107.9	4.8	1.66	171.1	
10:17	4.9	0	7.96	108.4	4.7	1.63	161.0	0.46 4m (11)
10:22	5	0.1	7.97	106.8	4.6	1.54	151.5	
10:27	5.1	0.1	7.97	106.8	4.7	1.48	144.8	
10:32	5.1	0	7.98	106.6	4.7	1.59	139.6	
		Total 0.6						

Sample Method: Low Flow
Rate (gpm): ~0.12 * Flow rate at stabilization (during sample collection)
Time Start: 10:02 Time End: 10:32

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.98	±0.1	Y / N	
Conductivity	106.6	3%	Y / N	
Temp (deg C)	4.7	3%	Y / N	
Dissolved Oxyger	1.59	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	139.6	±10	Y / N	
DTW Stabilized	5.1	feet	Y / N	
Final H2O level	5.1	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N
* See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 4.61 Actual vol. pumped (gal) ~4.5

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

Weather: 32°, cold, wind x
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:
4.0 + 0.41 = 4.41 use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: R. Barela
Static Water Level (DTW): 4.7
Is well Dry? NO
If so Dry at: —

Date: 5-7-24
Quarter: 2
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
11:03			6.70	44.0	3.9	12.08	145.6	
11:08	4.8	0.1	6.61	44.3	3.7	12.35	146.2	
11:13	4.85	0.05	6.60	44.4	3.8	11.00	146.2	0.63 4M (14)
11:18	4.85	0	6.61	45.1	3.7	10.95	150.7	
11:23	4.9	0.05	6.62	44.9	3.7	12.01	152.9	
11:28	4.9	0	6.62	44.8	3.8	11.92	155.0	
		Well 0.2'						

Sample Method: Low Flow
Rate (gpm): ~0.16 * Flow rate at stabilization (during sample collection)
Time Start: 11:03 Time End: 11:28

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.62	±0.1	Y / N	
Conductivity	44.8	3%	Y / N	
Temp (deg C)	3.8	3%	Y / N	
Dissolved Oxyge	11.92	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Red uction	155.0	±10	Y / N	
DTW Stabilized	4.9	feet	Y / N	
Final H2O level	4.9	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) * See Field Volume Guide
If yes, required pump vol (gal) following stabilization: —
Actual vol. pumped (gal): ~5.1

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

Weather: 32°, windy, cold
Signature:

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

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

Show Calculations:
use 5 gal bucket.

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

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

Date: 5-7-24
Quarter: 2
Well ID: OSABH-12
Well Depth (TD): 39

Is well Dry? YES
If so Dry at: 39 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:50								

DRY
NO SAMPLE

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

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

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

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

Weather: 32° Cold, wind
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: D. Barela
Static Water Level (DTW): ~~28.7~~
Date: 5-9-24
Quarter: 2
Well ID: OSABH-14
Well Depth (TD): 28.7 feet

Is well Dry? YES
If so Dry at: 28.7

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
7:15								

DRY
NO SAMPLE

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

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

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

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

Decontamination procedure used: use sounder

Weather: 25°, cold, 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: P. Barela
Static Water Level (DTW): 38.8

Date: 8-13-24
Quarter: 2
Well ID: OSAB H-16
Well Depth (TD): 40.2 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
12:00								
								Insufficient
								NO Sample

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

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

If Low Flow Met Drawdown greater than 0.33 ft? ~~Y~~ / N
* See Field Volume Guide

If yes, required pump vol (gal): —
Actual vol. pumped (gal) —
following stabilization

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

Turbid? ~~Y~~ / N

Decontamination procedure used:

Weather: 50°, clear, cool
Signature:

Volume Calculations:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: R. Barela
Static Water Level (DTW): 12.45
Date: 5-9-24
Quarter: 2
Well ID: OSABH-17
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
12:30			3.08	622.1	3.6	89.64	481.8	
12:35	12.7	0.25	3.12	628.0	3.3	62.87	497.8	
12:40	12.75	0.05	3.12	628.4	3.3	52.99	509.1	
12:45	12.7	+0.05	3.13	627.3	3.5	51.22	513.4	0.3 gpm (17)
12:50	12.7	0	3.13	627.7	3.3	43.23	518.7	
12:55	12.7	0	3.14	629.2	3.3	41.32	522.4	
1:00	12.7	0	3.13	627.7	3.3	39.83	525.3	
		total 0.25						

Sample Method: Low Flow
Rate (gpm): ~0.07 * Flow rate at stabilization (during sample collection)
Time Start: 12:30 Time End: 1:00

Final Parameters	Stabilization Guidance		Met?	Comments
pH	3.13	±0.1	Y / N	
Conductivity	627.7	3%	Y / N	
Temp (deg C)	3.3	3%	Y / N	
Dissolved Oxygen	39.83	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	525.3	±10	Y / N	
DTW Stabilized	12.7	feet	Y / N	
Final H2O level	12.7	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) ~3.5

O/G visible: Y / N
Equipment Decontaminated: Y / N
Turbid? Y / N
Decontamination procedure used: Tri-Pl rinse w/ liquinox

Weather: 32° cold, 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:
Use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: R. Burell
Static Water Level (DTW): —

Date: 5-9-24
Quarter: 2
Well ID: OSABH-18
Well Depth (TD): 51.1

Is well Dry? YES
If so Dry at: 51.1 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:55								

Dry
NO Sample

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

Final Parameters	Stabilization Guidance		Met?	Comments
pH		±0.1	Y / N	
Conductivity		3%	Y / N	
Temp (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: 32° cold & 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
Surface Water Sampling Log

Location: Seep-1 **Date:** 5/29/2024

Technician: AK and SW **Quarter:** May 2024 Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
1435	1.85	36.33	20.0	475

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [Y / (N)]

Weather: 60s Sunny

Signature: Sili W

Comments / Notes:

reddish brown color, relatively low water level

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

Location: Seep - 2 **Date:** 5/29/2024

Technician: AK and SW **Quarter:** May Q2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
1455	2.14	25.81	20.1	543

Sample Method: Grab

Oil/Gas visible [(Y) / N]

Turbid [Y / (N)]

Clear [Y / (N)]

Weather: 60s Sunny

Signature: [signature]

Comments / Notes:

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

Location: EMP-16 **Date:** 5/29/24

Technician: SW + AK **Quarter:** May Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
1405	3.42	1796	17.6	385mV

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: Sunny, 60s

Signature: [signature]

Comments / Notes:

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

Location: EMP-17 **Date:** 5/29/24

Technician: AK+SW **Quarter:** May Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
13:20	6.51	707.3	18.3	318 mV

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 60s F Sunny

Signature: Ann Kuras

Comments / Notes:

—

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

Location: EMP-17A **Date:** 5/29/24

Technician: SW + AK **Quarter:** May Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
1340	4.35	361.7	16.1	348 mV

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: Sunny, 60sF

Signature: [signature]

Comments / Notes:

—

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

Location: EMP-17B **Date:** 5/29/2024

Technician: AK + SW **Quarter:** May Q2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
1300	3.50	1471	15.8	375 mV

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 60s Sunny

Signature:

Comments / Notes:

—

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

Location: EMP-20 **Date:** 5/29/24

Technician: SW + AK **Quarter:** May Q2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
1240				

Sample Method: Dry

Oil/Gas visible [Y / N]

Turbid [Y / N] NA

Clear [Y / N]

Weather: Sunny 60sF

Signature: Sal W

Comments / Notes:

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

Location: GV-02 **Date:** 5/29/2024

Technician: AK + SW **Quarter:** May Q2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
1530	4.70	1749	11.9	446

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 60s cloudy

Signature:

Comments / Notes:

Flow at 1 inch / 10 gpm

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

Location: GV-03 **Date:** 5/29/24

Technician: SW + AK **Quarter:** May Q2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
Dry 1150				

Sample Method: Dry

Oil/Gas visible [Y / N]

Turbid [Y / N] NA

Clear [Y / N]

Weather: Sunny 60s

Signature:

Comments / Notes:

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

Location: GU06 **Date:** 5/29/2024

Technician: AKT SW **Quarter:** May Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
11:12	7.24	486.6	14.4	86 mV

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 60s sunny

Signature: Aimee Kuras

Comments / Notes:

—

Newmont
NORTH AMERICA

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Attachment 4

GVMW-25 Historical Graphs