Newmont
NORTH AMERICA

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

P 719.689.2977
F 719.689.3254
newmont.com

July 25, 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 June 2024 Report Submission, July 25, 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 June 2024, CC&V monitored all accessible and applicable groundwater and surface water locations and collected all possible samples as part of the Grassy Valley monitoring program.

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

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

- GVMW-15C and GVMW-24B were 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-17B and EMP-020 were unable to be sampled due to the fact they were dry.
- GV-02 and GV-03 were unable to be sampled due to the fact they were dry.

Groundwater Level Measurements

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

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Groundwater Sampling

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

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

Surface Water Sampling

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

QA/QC Samples

CC&V collected two quality assurance/quality control (QA/QC) samples in June 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 June 2024 sampling event are included in Attachment 1 and field-collected data is presented on the sampling logs in Attachment 3.

DISCUSSION

Observed groundwater quality data continues to show similar trends to previously recorded data with constituent concentrations peaking around October, then declining throughout the year.

Graphs of the trends in various analytes at the GVMW-25 monitoring location are presented in Attachment 4. In general, results at the GVMW-25 location showed consistent results with prior conditions from May 2024 to June 2024. Arsenic, chloride, fluoride, and selenium all show decreases in concentration compared to the May 2024 results. Additional decreases were noted for antimony, nitrite, and thallium but these concentrations were below laboratory reporting limits. Nitrate concentrations in June 2024 are slightly higher than the May 2024 results. Aluminum, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lithium, manganese, nickel, pH, silver, sodium, sulfate, uranium, vanadium, and zinc concentrations from June 2024 are consistent with

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results reported in May 2024. Additionally, ammonia, boron, cyanide, mercury, and molybdenum were non-detected.

Water quality monitoring results from wells GVMW-15B were consistent with previous records in shallow groundwater. At the shallow interval in GVMW-15B (total depth 102 feet bgs) the groundwater exceeded the table value standards for beryllium, cobalt, and nickel and exceeded existing NPL's for pH.

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

At the deeper well, GVMW-15A, the groundwater exceeded the existing site-wide NPL 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 samplings results in dewatering of the well.

GVMW-10 exceeded the table value standard for sulfate. GVMW-7B exceeded the table value standard for sulfate. GVMW-22A exceeded the table value standard and NPL for fluoride during the monitoring period, consistent with previous sampling results.

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

Flowing water was observed at the GV-06 monitoring locations in June of 2024 and a sample was collected. Monitoring locations GV-03 and GV-02 did not have flowing water and no samples were able to be collected. Monitoring location GV-06 exceeded Regulation 32 standards for phosphorus and iron (dissolved and total). Results from the June 2024 surface water sampling are consistent with previous results.

Results from water sampling at EMP-16 exceeded either NPL's and table value standards for aluminum, beryllium, cadmium, cobalt, copper, fluoride, manganese, nickel, pH, sulfate, uranium, and zinc. Results from water sampling at EMP-17A recorded exceedances of either the table value standard or existing NPL's for manganese, pH, and sulfate. Results from EMP-17 recorded exceedances for fluoride and sulfate. EMP-17C exceeded the table value standard or existing NPL's

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for fluoride, manganese, and sulfate. No water was observed in EMP-17B and EMP-20 during the June 2024 monitoring event and no samples were able to be collected. It should be noted that the pumping of the EMP's is complete and they are currently dry.

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|6 – June 2024\Final"*

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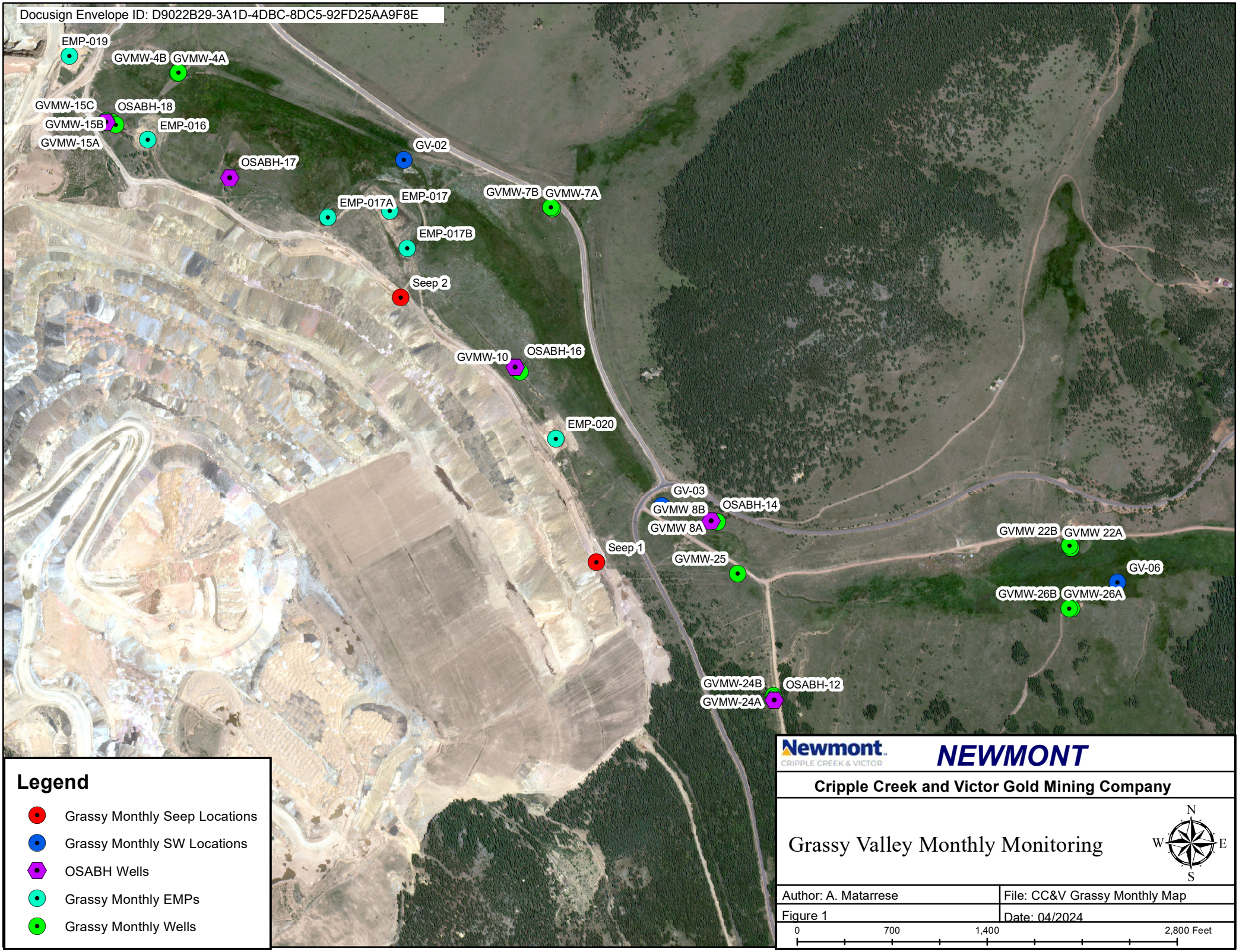
Figures



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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	6/11/2024	Sampled
GVMW-4B	NA	P&A
GVMW-7A	6/11/2024	Sampled
GVMW-7B	6/11/2024	Sampled
GVMW-8A	6/11/2024	Sampled
GVMW-8B	6/11/2024	Sampled
GVMW-10	6/17/2024	Sampled
GVMW-15A	6/12/2024	Sampled
GVMW-15B	6/12/2024	Sampled
GVMW-15C	6/12/2024	Dry at 419' bgs
GVMW-22A	6/5/2024	Sampled
GVMW-22B	6/5/2024	Sampled
GVMW-24A	6/27/2024	Sampled
GVMW-24B	6/5/2024	Dry at 100' bgs
GVMW-25	6/5/2024	Sampled
GMVW-26A	6/5/2024	Sampled
GVMW-26B	6/5/2024	Sampled
OSABH-12	6/5/2024	Dry at 39' bgs
OSABH-14	6/5/2024	Dry at 28.7' bgs
OSABH-16	6/17/2024	NS-IW
OSABH-17	6/12/2024	Sampled
OSABH-18	6/12/2024	Dry at 51.1' bgs
Ecosa Seep-1	6/20/2024	Sampled
Ecosa Seep-2	6/20/2024	Sampled
GV-02	6/24/2024	Dry
GV-03	6/24/2024	Dry
GV-06	6/24/2024	Sampled
EMP-016	6/24/2024	Sampled
EMP-017	6/24/2024	Sampled
EMP-017A	6/24/2024	Sampled
EMP-17B	6/20/2024	Dry
EMP-17C	6/12/2024	Sampled
EMP-020	6/24/2024	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 - June 2024
Cripple Creek and Victor Gold Mining Company

ANALYTE	Reg 41 TVS	Site Wide NPL	UNIT	Well I.D.	GVMW-4A	GVMW-7A	GVMW-7B	GVMW-8A*	GVMW-8B	GVMW-10	GVMW-15A	GVMW-15B	GVMW-22A	GVMW-22B	GVMW-24A	GVMW-25	GMVW-26A	GVMW-26B	OSABH-17	Seep-1	Seep-2	EMP-16	EMP-17	EMP-17A	EMP-17C
				Sample Date	6/11/2024	6/11/2024	6/11/2024	6/11/2024	6/11/2024	6/17/2024	6/12/2024	6/12/2024	6/5/2024	6/5/2024	6/27/2024	6/5/2024	6/5/2024	6/5/2024	6/12/2024	6/20/2024	6/20/2024	6/24/2024	6/24/2024	6/20/2024	6/12/2024
Aluminum - Dissolved	5	**7**	mg/L		<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	0.364	<0.080	<0.080	<0.080	**216**	<0.080	<0.080	**2,530**	**3,300**	**6,190**	**103**	<0.080	2.06	<0.080
Ammonia	NA	NA	mg/L		<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	**0.191**	<0.300	0.07	**0.03**	<0.030	<0.030	<0.030
Antimony - Dissolved	**0.006**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00500	<0.100	<0.100	<0.00100	<0.00100	<0.00100	<0.00100
Arsenic - Dissolved	**0.01**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00167	**0.0831**	<0.00100	<0.00100	**0.4**	**0.359**	**6.45**	<0.00500	**0.00107**	**0.00167**	<0.00100
Barium - Dissolved	**2**	NA	mg/L		0.201	0.168	0.0446	<0.0020	0.0061	0.0161	0.0549	0.0143	0.101	0.0521	0.0537	0.0106	0.19	0.104	<0.0400	<0.0400	<0.0400	0.0213	0.0295	0.049	0.0177
Beryllium - Dissolved	**0.004**	NA	mg/L		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.0326**	<0.00200	<0.00200	<0.00200	**0.218**	<0.00200	<0.00200	**0.486**	**0.53**	**0.508**	**0.0264**	<0.00200	<0.00200	**<0.00200**
Boron - Total	**0.75**	NA	mg/L		<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.800	<0.800	<0.800	<0.0400	0.0571	0.0422	0.10
Cadmium - Dissolved	**0.005**	**0.005**	mg/L		<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	**0.517**	<0.0020	<0.0020	**5.43**	**10**	**29**	**0.157**	<0.0020	<0.0020	<0.0020
Chloride - Total	**250**	NA	mg/L		4.04	9.74	85.7	65.7	34.4	4.92	1.37	0.9	4.12	11.9	4.79	26.8	1.18	1.79	14.2	<10.0	<20.0	13.3	5.73	4.79	5.12
Chromium - Dissolved	**0.1**	NA	mg/L		<0.0060	<0.0060	<0.0060	**0.0079**	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.016	<0.0060	<0.0060	**0.502**	**0.825**	**1.68**	0.0086	<0.0060	<0.0060	<0.0060
Cobalt - Dissolved	**0.05**	NA	mg/L		**0.0078**	<0.0060	<0.0060	<0.0060	<0.0060	**0.0069**	**0.0293**	**0.0616**	<0.0060	**0.0064**	0.0122	**0.489**	**0.0067**	<0.0060	**11.8**	**10.1**	**15**	**0.916**	<0.0060	**0.0273**	<0.0060
Copper - Dissolved	**0.2**	**0.2**	mg/L		<0.0100	<0.0100	<0.0100	<0.0100	**0.0187**	**0.0146**	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**0.715**	<0.0100	<0.0100	**9.88**	**16.4**	**69.8**	**0.241**	<0.0100	<0.0100	<0.0100
Cyanide - Free	**0.2**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.0500	<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	0.0097	<0.0100	0.0112	<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	<0.0500	<0.0500	<0.0050	<0.0050	<0.0050	<0.0050
Fluoride - Total F	**2**	**2**	mg/L		0.13	0.887	0.226	1.86	**2.2**	0.345	0.29	0.342	**2.28**	0.376	0.802	**6.88**	1.89	0.215	**373**	**256**	**756**	**12.5**	**3.18**	**5.74**	**5.45**
Iron - Dissolved	0.3	**14**	mg/L		7.82	1.06	<0.100	<0.100	<0.100	<0.100	**31.6**	**19.4**	<0.100	<0.100	0.726	0.293	<0.100	<0.100	**63.2**	**1,240**	**4,830**	2.40	0.174	2.21	<0.100
Lead - Dissolved	**0.05**	NA	mg/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	**0.0152**	<0.0075	0.0266	<0.0075	<0.0075	**0.012**	<0.0075	<0.0075	<0.0075	**<0.150**	**<0.150**	<0.150	0.0346	<0.0075	<0.0075	<0.0075
Lithium - Dissolved	**2.5**	NA	mg/L		<0.040	<0.040	<0.040	<0.040	<0.040	**0.042**	<0.040	<0.040	<0.040	<0.040	0.072	0.111	<0.040	<0.040	1.48	**0.9**	**2.830**	0.088	<0.040	<0.040	<0.040
Manganese - Dissolved	0.05	**3**	mg/L		1.85	0.203	**0.011**	**0.0245**	<0.0080	2.93	1.82	1.24	**<0.0080**	**0.0095**	0.578	**74.5**	0.016	0.0088	**808**	**1,060**	**2,340**	**33**	2.7	**18.3**	**8.8**
Mercury - Dissolved	**0.002**	**0.002**	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Molybdenum - Dissolved	**0.21**	NA	mg/L		<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	**0.0311**	<0.0080	<0.0080	**0.0094**	<0.0080	**0.0555**	<0.0080	<0.0080	<0.0080	<0.160	<0.160	0.177	<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	**0.0161**	**0.0585**	**0.104**	<0.0100	<0.0100	<0.0100	**0.893**	<0.0100	<0.0100	**10.70**	**9**	**9.960**	**0.612**	<0.0100	**0.0103**	<0.0100
Nitrate as Nitrogen	**10**	**10**	mg/L		<0.050	<0.050	**0.39**	**1.34**	**2.04**	**0.106**	<0.050	<0.050	<0.050	**0.808**	<0.050	3.14	0.06	**0.663**	**<1.25**	3.97	<5.00	<0.050	<0.050	<0.050	<0.050
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		<0.100	<0.100	**0.39**	**1.34**	**2.04**	**0.106**	<0.100	<0.100	<0.100	**0.808**	<0.100	3.14	<0.100	**0.663**	**<2.50**	**<5.00**	<10.0	<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	<0.050	<0.050	<0.050	<0.050	<1.25	<2.50	<5.00	<0.050	<0.050	<0.050	<0.050
pH Field	6.5-8.5	**6.0-8.5**	pH units		6.43	7.38	6.62	6.8	6.69	6.72	6.42	**4.58**	7.78	6.7	7.69	**4.01**	7.91	6.5	**3.0**	**2.36**	**2.23**	**3.31**	7.04	**5.29**	6.97
Selenium - Dissolved	0.02	**0.024**	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.0016**	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.0083**	<0.00100	<0.00100	0.03780	**0.16**	**0.327**	0.0061	<0.00100	<0.00100	<0.00100
Silver - Dissolved	**0.05**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.100	<0.100	<0.100	<0.0050	<0.0050	<0.0050	<0.0050
Sodium - Dissolved	NA	NA	mg/L		8.49	9.43	20.5	25	25.3	40.2	12.9	12.6	37.0	13	123	36.6	30.3	9.74	15.4	36.2	<10.0	9.23	40	6.81	71.5
Sulfate - Total	**250**	NA	mg/L		51.3	20	**410**	63.7	106	**1,500**	176	240	34.6	39.9	**565**	**3,360**	12	21.4	**22,700**	**29,600**	**56,400**	**1,630**	**539**	**389**	**1,760**
Thallium - Dissolved	**0.002**	NA	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.00100	<0.000200	<0.000200	<0.00100	<0.0200	<0.0200	<0.000200	<0.000200	<0.000200	<0.000200
Total Dissolved Solids	NA	NA	mg/L		138	194	714	242	250	3,210	285	368	198	133	906	4,100	170	90	27,900	40,800	76,500	2,090	764	856	9,890
Uranium - Dissolved	**0.03**	NA	mg/L		<0.000100	0.00384	0.00309	0.00486	0.00237	**0.0233**	<0.000100	0.00332	0.00369	0.0003	0.0119	**0.678**	0.0034	<0.000100	**8.2**	**12**	**50.6**	**0.26**	0.004190	0.000311	0.00555
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	0.0057	<0.0050	<0.0050	<0.100	<0.100	<0.100	<0.0050	<0.0050	<0.0050	<0.0050
Zinc - Dissolved	**2**	**2**	mg/L		0.01	<0.0100	<0.0100	<0.0100	<0.0100	0.3	0.226	1.10	<0.0100	<0.0100	<0.0100	**19.1**	<0.0100	<0.0100	**204**	**163**	**1,310**	**8.64**	0.0231	0.163	0.0472

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

P 719.689.2977
F 719.689.3254
newmont.com

Attachment 1

Laboratory Analytical Reports

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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0080**
Victor, CO 80860	Reported: 20-Jun-24 10:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
RB-0605	X4F0080-01	Ground Water	05-Jun-24 09:30	PB	06-Jun-2024	
GVMW-26A	X4F0080-02	Ground Water	05-Jun-24 10:19	PB	06-Jun-2024	
GVMW-26B	X4F0080-03	Ground Water	05-Jun-24 11:20	PB	06-Jun-2024	
GVMW-126G	X4F0080-04	Ground Water	05-Jun-24 11:20	PB	06-Jun-2024	
GVMW-22A	X4F0080-05	Ground Water	05-Jun-24 12:35	PB	06-Jun-2024	
GVMW-22B	X4F0080-06	Ground Water	05-Jun-24 13:32	PB	06-Jun-2024	
GVMW-25	X4F0080-07	Ground Water	05-Jun-24 14:25	PB	06-Jun-2024	Q5

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

Case Narrative: X4F0080

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: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **RB-0605**
SVL Sample ID: **X4F0080-01 (Ground Water)**

Sampled: 05-Jun-24 09:30
Received: 06-Jun-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**	0.183	mg/L	0.100	0.069		X424236	NMS	06/17/24 15:59	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X424236	NMS	06/17/24 15:59	
EPA 200.7	**Potassium**	52.7	mg/L	0.50	0.18		X424236	NMS	06/17/24 15:59	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		06/17/24 15:59	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X424032	NMS	06/10/24 14:00	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X424032	NMS	06/10/24 14:00	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X424032	NMS	06/10/24 14:00	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X424032	NMS	06/10/24 14:00	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X424032	NMS	06/10/24 14:00	
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X424032	NMS	06/10/24 14:00	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X424032	NMS	06/10/24 14:00	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X424032	NMS	06/10/24 14:00	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X424032	NMS	06/10/24 14:00	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X424032	NMS	06/10/24 14:00	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X424032	NMS	06/10/24 14:00	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X424032	NMS	06/10/24 14:00	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X424032	NMS	06/10/24 14:00	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:00	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:00	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X424032	NMS	06/10/24 14:00	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X424032	NMS	06/10/24 14:00	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:00	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X424032	NMS	06/10/24 14:00	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:00	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X424032	NMS	06/10/24 14:00	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X424005	SMU	06/17/24 11:11	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X424005	SMU	06/17/24 11:11	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X424005	SMU	06/17/24 11:11	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X424005	SMU	06/17/24 11:11	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X424005	SMU	06/17/24 11:11	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X424068	MAC	06/12/24 14:28	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:23	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424183	JPM	06/14/24 10:17	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X424020	JPM	06/11/24 10:44	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 10:03	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X424206	MWD	06/14/24 07:46	
SM 2320 B	**Total Alkalinity**	8.2	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 16:57	
SM 2320 B	**Bicarbonate**	8.2	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 16:57	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 16:57	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 16:57	
SM 2540 C	**Total Diss. Solids**	154	mg/L	10			X423278	TJL	06/11/24 15:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X423280	TJL	06/12/24 15:30	
SM 4500 H B	**pH @22.4°C**	7.1	pH Units				X424012	MWD	06/10/24 16:57	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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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: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **RB-0605**
SVL Sample ID: **X4F0080-01 (Ground Water)**

Sampled: 05-Jun-24 09:30
Received: 06-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	70.9	mg/L	2.00	0.22	10	X423218	RS	06/06/24 14:44	D2
EPA 300.0	**Fluoride**	0.188	mg/L	0.100	0.017		X423218	RS	06/06/24 14:25	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X423218	RS	06/06/24 14:25	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X423218	RS	06/06/24 14:25	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X423218	RS	06/06/24 14:25	
EPA 300.0	**Sulfate as SO4**	0.71	mg/L	0.30	0.18		X423218	RS	06/06/24 14:25	

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: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X4F0080-02 (Ground Water)**

Sampled: 05-Jun-24 10:19
Received: 06-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	29.2	mg/L	0.100	0.069		X424236	NMS	06/17/24 16:03	
EPA 200.7	**Magnesium**	7.02	mg/L	0.500	0.090		X424236	NMS	06/17/24 16:03	
EPA 200.7	**Potassium**	1.12	mg/L	0.50	0.18		X424236	NMS	06/17/24 16:03	
SM 2340 B	**Hardness (as CaCO3)**	100	mg/L	2.31	0.543		N/A		06/17/24 16:03	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X424032	NMS	06/10/24 14:04	
EPA 200.7	**Barium**	0.190	mg/L	0.0020	0.0019		X424032	NMS	06/10/24 14:04	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X424032	NMS	06/10/24 14:04	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X424032	NMS	06/10/24 14:04	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X424032	NMS	06/10/24 14:04	
EPA 200.7	**Calcium**	28.8	mg/L	0.100	0.069		X424032	NMS	06/10/24 14:04	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X424032	NMS	06/10/24 14:04	
EPA 200.7	**Cobalt**	0.0067	mg/L	0.0060	0.0046		X424032	NMS	06/10/24 14:04	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X424032	NMS	06/10/24 14:04	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X424032	NMS	06/10/24 14:04	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X424032	NMS	06/10/24 14:04	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X424032	NMS	06/10/24 14:04	
EPA 200.7	**Magnesium**	6.86	mg/L	0.500	0.090		X424032	NMS	06/10/24 14:04	
EPA 200.7	**Manganese**	0.0158	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:04	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:04	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X424032	NMS	06/10/24 14:04	
EPA 200.7	**Potassium**	0.97	mg/L	0.50	0.18		X424032	NMS	06/10/24 14:04	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:04	
EPA 200.7	**Sodium**	30.3	mg/L	0.50	0.12		X424032	NMS	06/10/24 14:04	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:04	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X424032	NMS	06/10/24 14:04	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X424005	SMU	06/17/24 11:13	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X424005	SMU	06/17/24 11:13	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X424005	SMU	06/17/24 11:13	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X424005	SMU	06/17/24 11:13	
EPA 200.8	**Uranium**	0.00335	mg/L	0.000100	0.000052		X424005	SMU	06/17/24 11:13	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X424068	MAC	06/12/24 14:30	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:25	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424183	JPM	06/14/24 10:20	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X424020	JPM	06/11/24 10:45	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 10:05	
SM 2310 B	**Acidity to pH 8.3**	-151	mg/L as CaCO3	10.0			X424206	MWD	06/14/24 07:46	
SM 2320 B	**Total Alkalinity**	157	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:02	
SM 2320 B	**Bicarbonate**	157	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:02	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:02	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:02	
SM 2540 C	**Total Diss. Solids**	170	mg/L	10			X423278	TJL	06/11/24 15:10	R2B
SM 2540 D	**Total Susp. Solids**	11.0	mg/L	5.0			X423280	TJL	06/12/24 15:30	R2B
SM 4500 H B	**pH @22.4°C**	8.0	pH Units				X424012	MWD	06/10/24 17:02	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: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-26A**
SVL Sample ID: **X4F0080-02 (Ground Water)**

Sampled: 05-Jun-24 10:19
Received: 06-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.18	mg/L	0.20	0.02		X423218	RS	06/06/24 15:39	
EPA 300.0	**Fluoride**	1.89	mg/L	0.100	0.017		X423218	RS	06/06/24 15:39	
EPA 300.0	**Nitrate as N**	0.056	mg/L	0.050	0.013		X423218	RS	06/06/24 15:39	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X423218	RS	06/06/24 15:39	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X423218	RS	06/06/24 15:39	
EPA 300.0	**Sulfate as SO4**	12.4	mg/L	0.30	0.18		X423218	RS	06/06/24 15:39	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.36 meq/L Anion Sum: 3.53 meq/L C/A Balance: -2.47 % Calculated TDS: 177 TDS/cTDS: 0.96

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: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X4F0080-03 (Ground Water)**

Sampled: 05-Jun-24 11:20
Received: 06-Jun-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**	10.4	mg/L	0.100	0.069		X424236	NMS	06/17/24 16:07	
EPA 200.7	**Magnesium**	2.31	mg/L	0.500	0.090		X424236	NMS	06/17/24 16:07	
EPA 200.7	**Potassium**	0.90	mg/L	0.50	0.18		X424236	NMS	06/17/24 16:07	
SM 2340 B	**Hardness (as CaCO3)**	35.6	mg/L	2.31	0.543		N/A		06/10/24 14:20	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X424032	NMS	06/10/24 14:20	
EPA 200.7	**Barium**	0.104	mg/L	0.0020	0.0019		X424032	NMS	06/10/24 14:20	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X424032	NMS	06/10/24 14:20	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X424032	NMS	06/10/24 14:20	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X424032	NMS	06/10/24 14:20	
EPA 200.7	**Calcium**	10.5	mg/L	0.100	0.069		X424032	NMS	06/10/24 14:20	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X424032	NMS	06/10/24 14:20	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X424032	NMS	06/10/24 14:20	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X424032	NMS	06/10/24 14:20	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X424032	NMS	06/10/24 14:20	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X424032	NMS	06/10/24 14:20	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X424032	NMS	06/10/24 14:20	
EPA 200.7	**Magnesium**	2.38	mg/L	0.500	0.090		X424032	NMS	06/10/24 14:20	
EPA 200.7	**Manganese**	0.0088	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:20	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:20	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X424032	NMS	06/10/24 14:20	
EPA 200.7	**Potassium**	0.80	mg/L	0.50	0.18		X424032	NMS	06/10/24 14:20	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:20	
EPA 200.7	**Sodium**	9.74	mg/L	0.50	0.12		X424032	NMS	06/10/24 14:20	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:20	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X424032	NMS	06/10/24 14:20	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X424005	SMU	06/17/24 11:16	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X424005	SMU	06/17/24 11:16	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X424005	SMU	06/17/24 11:16	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X424005	SMU	06/17/24 11:16	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X424005	SMU	06/17/24 11:16	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X424068	MAC	06/12/24 14:37	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:26	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424183	JPM	06/14/24 10:23	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X424020	JPM	06/11/24 10:48	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 10:06	
SM 2310 B	**Acidity to pH 8.3**	-35.8	mg/L as CaCO3	10.0			X424206	MWD	06/14/24 07:46	
SM 2320 B	**Total Alkalinity**	37.1	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:08	
SM 2320 B	**Bicarbonate**	37.1	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:08	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:08	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:08	
SM 2540 C	**Total Diss. Solids**	90	mg/L	10			X423278	TJL	06/11/24 15:10	
SM 2540 D	**Total Susp. Solids**	6.0	mg/L	5.0			X423280	TJL	06/12/24 15:30	
SM 4500 H B	**pH @22.4°C**	6.7	pH Units				X424012	MWD	06/10/24 17:08	H5

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

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-26B**
SVL Sample ID: **X4F0080-03 (Ground Water)**

Sampled: 05-Jun-24 11:20
Received: 06-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.79	mg/L	0.20	0.02		X423218	RS	06/06/24 16:16	
EPA 300.0	**Fluoride**	0.215	mg/L	0.100	0.017		X423218	RS	06/06/24 16:16	
EPA 300.0	**Nitrate as N**	0.663	mg/L	0.050	0.013		X423218	RS	06/06/24 16:16	
EPA 300.0	**Nitrate+Nitrite as N**	0.663	mg/L	0.100	0.044		X423218	RS	06/06/24 16:16	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X423218	RS	06/06/24 16:16	
EPA 300.0	**Sulfate as SO4**	21.4	mg/L	0.30	0.18		X423218	RS	06/06/24 16:16	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.17 meq/L Anion Sum: 1.30 meq/L C/A Balance: -5.20 % Calculated TDS: 72 TDS/cTDS: 1.25

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

Tawnya M. Hall
Project Manager Assistant

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-126G**
SVL Sample ID: **X4F0080-04 (Ground Water)**

Sampled: 05-Jun-24 11:20
Received: 06-Jun-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**	10.5	mg/L	0.100	0.069		X424236	NMS	06/17/24 16:11	
EPA 200.7	**Magnesium**	2.30	mg/L	0.500	0.090		X424236	NMS	06/17/24 16:11	
EPA 200.7	**Potassium**	0.92	mg/L	0.50	0.18		X424236	NMS	06/17/24 16:11	
SM 2340 B	**Hardness (as CaCO3)**	35.6	mg/L	2.31	0.543		N/A		06/10/24 14:24	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X424032	NMS	06/10/24 14:24	
EPA 200.7	**Barium**	0.106	mg/L	0.0020	0.0019		X424032	NMS	06/10/24 14:24	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X424032	NMS	06/10/24 14:24	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X424032	NMS	06/10/24 14:24	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X424032	NMS	06/10/24 14:24	
EPA 200.7	**Calcium**	10.5	mg/L	0.100	0.069		X424032	NMS	06/10/24 14:24	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X424032	NMS	06/10/24 14:24	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X424032	NMS	06/10/24 14:24	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X424032	NMS	06/10/24 14:24	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X424032	NMS	06/10/24 14:24	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X424032	NMS	06/10/24 14:24	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X424032	NMS	06/10/24 14:24	
EPA 200.7	**Magnesium**	2.38	mg/L	0.500	0.090		X424032	NMS	06/10/24 14:24	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:24	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:24	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X424032	NMS	06/10/24 14:24	
EPA 200.7	**Potassium**	0.83	mg/L	0.50	0.18		X424032	NMS	06/10/24 14:24	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:24	
EPA 200.7	**Sodium**	9.68	mg/L	0.50	0.12		X424032	NMS	06/10/24 14:24	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:24	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X424032	NMS	06/10/24 14:24	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X424005	SMU	06/17/24 11:18	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X424005	SMU	06/17/24 11:18	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X424005	SMU	06/17/24 11:18	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X424005	SMU	06/17/24 11:18	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X424005	SMU	06/17/24 11:18	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X424068	MAC	06/12/24 14:39	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:28	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424183	JPM	06/14/24 10:25	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X424020	JPM	06/11/24 10:50	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 10:12	
SM 2310 B	**Acidity to pH 8.3**	-50.2	mg/L as CaCO3	10.0			X424206	MWD	06/14/24 07:46	
SM 2320 B	**Total Alkalinity**	44.3	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:14	
SM 2320 B	**Bicarbonate**	44.3	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:14	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:14	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:14	
SM 2540 C	**Total Diss. Solids**	78	mg/L	10			X423278	TJL	06/11/24 15:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X423280	TJL	06/12/24 15:30	
SM 4500 H B	**pH @22.5°C**	6.9	pH Units				X424012	MWD	06/10/24 17:14	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: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-126G**
SVL Sample ID: **X4F0080-04 (Ground Water)**

Sampled: 05-Jun-24 11:20
Received: 06-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.79	mg/L	0.20	0.02		X423218	RS	06/06/24 16:53	
EPA 300.0	**Fluoride**	0.185	mg/L	0.100	0.017		X423218	RS	06/06/24 16:53	
EPA 300.0	**Nitrate as N**	0.664	mg/L	0.050	0.013		X423218	RS	06/06/24 16:53	
EPA 300.0	**Nitrate+Nitrite as N**	0.664	mg/L	0.100	0.044		X423218	RS	06/06/24 16:53	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X423218	RS	06/06/24 16:53	
EPA 300.0	**Sulfate as SO4**	21.2	mg/L	0.30	0.18		X423218	RS	06/06/24 16:53	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.17 meq/L Anion Sum: 1.43 meq/L C/A Balance: -10.14 % Calculated TDS: 76 TDS/cTDS: 1.03

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X4F0080-05 (Ground Water)**

Sampled: 05-Jun-24 12:35
Received: 06-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	29.7	mg/L	0.100	0.069		X424236	NMS	06/17/24 16:15	
EPA 200.7	**Magnesium**	12.5	mg/L	0.500	0.090		X424236	NMS	06/17/24 16:15	
EPA 200.7	**Potassium**	1.55	mg/L	0.50	0.18		X424236	NMS	06/17/24 16:15	
SM 2340 B	**Hardness (as CaCO3)**	123	mg/L	2.31	0.543		N/A		06/17/24 16:15	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X424032	NMS	06/10/24 14:28	
EPA 200.7	**Barium**	0.101	mg/L	0.0020	0.0019		X424032	NMS	06/10/24 14:28	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X424032	NMS	06/10/24 14:28	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X424032	NMS	06/10/24 14:28	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X424032	NMS	06/10/24 14:28	
EPA 200.7	**Calcium**	29.2	mg/L	0.100	0.069		X424032	NMS	06/10/24 14:28	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X424032	NMS	06/10/24 14:28	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X424032	NMS	06/10/24 14:28	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X424032	NMS	06/10/24 14:28	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X424032	NMS	06/10/24 14:28	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X424032	NMS	06/10/24 14:28	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X424032	NMS	06/10/24 14:28	
EPA 200.7	**Magnesium**	12.2	mg/L	0.500	0.090		X424032	NMS	06/10/24 14:28	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:28	
EPA 200.7	**Molybdenum**	0.0094	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:28	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X424032	NMS	06/10/24 14:28	
EPA 200.7	**Potassium**	1.38	mg/L	0.50	0.18		X424032	NMS	06/10/24 14:28	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:28	
EPA 200.7	**Sodium**	37.0	mg/L	0.50	0.12		X424032	NMS	06/10/24 14:28	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:28	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X424032	NMS	06/10/24 14:28	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X424005	SMU	06/17/24 11:21	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X424005	SMU	06/17/24 11:21	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X424005	SMU	06/17/24 11:21	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X424005	SMU	06/17/24 11:21	
EPA 200.8	**Uranium**	0.00369	mg/L	0.000100	0.000052		X424005	SMU	06/17/24 11:21	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X424068	MAC	06/12/24 14:41	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:34	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424183	JPM	06/14/24 10:28	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X424020	JPM	06/11/24 10:52	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 10:14	
SM 2310 B	**Acidity to pH 8.3**	-165	mg/L as CaCO3	10.0			X424206	MWD	06/14/24 07:46	
SM 2320 B	**Total Alkalinity**	168	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:32	
SM 2320 B	**Bicarbonate**	168	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:32	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:32	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:32	
SM 2540 C	**Total Diss. Solids**	198	mg/L	10			X423278	TJL	06/11/24 15:10	
SM 2540 D	**Total Susp. Solids**	8.0	mg/L	5.0			X423280	TJL	06/12/24 15:30	
SM 4500 H B	**pH @22.5°C**	7.9	pH Units				X424012	MWD	06/10/24 17:32	H5

SVL holds the following certifications:
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www.svl.net

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X4F0080-05 (Ground Water)**

Sampled: 05-Jun-24 12:35
Received: 06-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.12	mg/L	0.20	0.02		X423218	RS	06/06/24 18:25	
EPA 300.0	**Fluoride**	2.28	mg/L	0.100	0.017		X423218	RS	06/06/24 18:25	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X423218	RS	06/06/24 18:25	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X423218	RS	06/06/24 18:25	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X423218	RS	06/06/24 18:25	
EPA 300.0	**Sulfate as SO4**	34.6	mg/L	0.30	0.18		X423218	RS	06/06/24 18:25	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.12 meq/L Anion Sum: 4.32 meq/L C/A Balance: -2.33 % Calculated TDS: 222 TDS/cTDS: 0.89

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

Tawnya M. Hall
Project Manager Assistant

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X4F0080-06 (Ground Water)**

Sampled: 05-Jun-24 13:32
Received: 06-Jun-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**	22.8	mg/L	0.100	0.069		X424236	NMS	06/17/24 16:36	
EPA 200.7	**Magnesium**	5.90	mg/L	0.500	0.090		X424236	NMS	06/17/24 16:36	
EPA 200.7	**Potassium**	1.10	mg/L	0.50	0.18		X424236	NMS	06/17/24 16:36	
SM 2340 B	**Hardness (as CaCO3)**	82.6	mg/L	2.31	0.543		N/A		06/17/24 16:36	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X424032	NMS	06/10/24 14:32	
EPA 200.7	**Barium**	0.0521	mg/L	0.0020	0.0019		X424032	NMS	06/10/24 14:32	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X424032	NMS	06/10/24 14:32	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X424032	NMS	06/10/24 14:32	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X424032	NMS	06/10/24 14:32	
EPA 200.7	**Calcium**	23.1	mg/L	0.100	0.069		X424032	NMS	06/10/24 14:32	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X424032	NMS	06/10/24 14:32	
EPA 200.7	**Cobalt**	0.0064	mg/L	0.0060	0.0046		X424032	NMS	06/10/24 14:32	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X424032	NMS	06/10/24 14:32	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X424032	NMS	06/10/24 14:32	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X424032	NMS	06/10/24 14:32	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X424032	NMS	06/10/24 14:32	
EPA 200.7	**Magnesium**	6.06	mg/L	0.500	0.090		X424032	NMS	06/10/24 14:32	
EPA 200.7	**Manganese**	0.0095	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:32	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:32	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X424032	NMS	06/10/24 14:32	
EPA 200.7	**Potassium**	1.12	mg/L	0.50	0.18		X424032	NMS	06/10/24 14:32	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:32	
EPA 200.7	**Sodium**	13.0	mg/L	0.50	0.12		X424032	NMS	06/10/24 14:32	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:32	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X424032	NMS	06/10/24 14:32	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X424005	SMU	06/17/24 11:23	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X424005	SMU	06/17/24 11:23	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X424005	SMU	06/17/24 11:23	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X424005	SMU	06/17/24 11:23	
EPA 200.8	**Uranium**	0.000300	mg/L	0.000100	0.000052		X424005	SMU	06/17/24 11:23	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X424068	MAC	06/12/24 14:43	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:35	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424183	JPM	06/14/24 10:31	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X424020	JPM	06/11/24 10:54	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 10:15	
SM 2310 B	**Acidity to pH 8.3**	-50.2	mg/L as CaCO3	10.0			X424206	MWD	06/14/24 07:46	
SM 2320 B	**Total Alkalinity**	57.2	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:39	
SM 2320 B	**Bicarbonate**	57.2	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:39	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:39	
SM 2540 C	**Total Diss. Solids**	133	mg/L	10			X423278	TJL	06/11/24 15:10	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X423280	TJL	06/12/24 15:30	
SM 4500 H B	**pH @22.5°C**	7.0	pH Units				X424012	MWD	06/10/24 17:39	H5

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

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X4F0080-06 (Ground Water)**

Sampled: 05-Jun-24 13:32
Received: 06-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.9	mg/L	0.20	0.02		X423218	RS	06/06/24 19:02	
EPA 300.0	**Fluoride**	0.376	mg/L	0.100	0.017		X423218	RS	06/06/24 19:02	
EPA 300.0	**Nitrate as N**	0.808	mg/L	0.050	0.013		X423218	RS	06/06/24 19:02	
EPA 300.0	**Nitrate+Nitrite as N**	0.808	mg/L	0.100	0.044		X423218	RS	06/06/24 19:02	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X423218	RS	06/06/24 19:02	
EPA 300.0	**Sulfate as SO4**	39.9	mg/L	0.30	0.18		X423218	RS	06/06/24 19:02	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.23 meq/L Anion Sum: 2.39 meq/L C/A Balance: -3.38 % Calculated TDS: 133 TDS/cTDS: 1.00

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

Tawnya M. Hall
Project Manager Assistant

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: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4F0080-07 (Ground Water)**

Sampled: 05-Jun-24 14:25
Received: 06-Jun-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**	439	mg/L	2.00	1.38	20	X424236	NMS	06/17/24 16:59	D2
EPA 200.7	**Magnesium**	192	mg/L	0.500	0.090		X424236	NMS	06/17/24 16:40	
EPA 200.7	**Potassium**	6.09	mg/L	0.50	0.18		X424236	NMS	06/17/24 16:40	
SM 2340 B	**Hardness (as CaCO3)**	1980	mg/L	2.31	0.543		N/A		06/17/24 16:40	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	216	mg/L	0.080	0.054		X424032	NMS	06/10/24 14:35	M3
EPA 200.7	**Barium**	0.0106	mg/L	0.0020	0.0019		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Beryllium**	0.218	mg/L	0.00200	0.00080		X424032	NMS	06/10/24 14:35	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Cadmium**	0.517	mg/L	0.0020	0.0016		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Calcium**	478	mg/L	0.100	0.069		X424032	NMS	06/10/24 14:35	M3
EPA 200.7	**Chromium**	0.0160	mg/L	0.0060	0.0020		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Cobalt**	0.489	mg/L	0.0060	0.0046		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Copper**	0.715	mg/L	0.0100	0.0027		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Iron**	0.293	mg/L	0.100	0.056		X424032	NMS	06/10/24 14:35	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Lithium**	0.111	mg/L	0.040	0.025		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Magnesium**	192	mg/L	0.500	0.090		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Manganese**	74.5	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:35	M3
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Nickel**	0.893	mg/L	0.0100	0.0048		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Potassium**	5.38	mg/L	0.50	0.18		X424032	NMS	06/10/24 14:35	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Sodium**	36.6	mg/L	0.50	0.12		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Vanadium**	0.0057	mg/L	0.0050	0.0019		X424032	NMS	06/10/24 14:35	
EPA 200.7	**Zinc**	19.1	mg/L	0.0100	0.0054		X424032	NMS	06/10/24 14:35	M3
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X424005	SMU	06/18/24 08:19	
EPA 200.8	**Arsenic**	0.0831	mg/L	0.00100	0.00021		X424005	SMU	06/18/24 08:19	
EPA 200.8	**Selenium**	0.00830	mg/L	0.00100	0.00024		X424005	SMU	06/18/24 08:19	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X424005	SMU	06/18/24 08:22	D1
EPA 200.8	**Uranium**	0.678	mg/L	0.000500	0.000260	5	X424005	SMU	06/18/24 08:22	D1
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X424068	MAC	06/12/24 14:45	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:37	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424183	JPM	06/14/24 10:33	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X424020	JPM	06/11/24 10:56	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X424024	DD	06/11/24 10:17	
SM 2310 B	**Acidity to pH 8.3**	1640	mg/L as CaCO3	10.0			X424206	MWD	06/14/24 07:46	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:45	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:45	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:45	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X424012	MWD	06/10/24 17:45	
SM 2540 C	**Total Diss. Solids**	4100	mg/L	40			X423278	TJL	06/11/24 15:10	D2
SM 2540 D	**Total Susp. Solids**	16.0	mg/L	5.0			X423280	TJL	06/12/24 15:30	
SM 4500 H B	**pH @22.6°C**	3.8	pH Units				X424012	MWD	06/10/24 17:45	H5

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

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4F0080**
Reported: 20-Jun-24 10:09

Client Sample ID: **GVMW-25**
SVL Sample ID: **X4F0080-07 (Ground Water)**

Sampled: 05-Jun-24 14:25
Received: 06-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	26.8	mg/L	10.0	1.10	50	X423218	RS	06/06/24 19:57	D2
EPA 300.0	**Fluoride**	6.88	mg/L	0.100	0.017		X423218	RS	06/06/24 19:39	
EPA 300.0	**Nitrate as N**	3.14	mg/L	0.050	0.013		X423218	RS	06/06/24 19:39	
EPA 300.0	**Nitrate+Nitrite as N**	3.14	mg/L	0.100	0.044		X423218	RS	06/06/24 19:39	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X423218	RS	06/06/24 19:39	
EPA 300.0	**Sulfate as SO4**	3360	mg/L	30.0	18.0	100	X423218	RS	06/07/24 14:29	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 72.2 meq/L Anion Sum: 71.3 meq/L C/A Balance: 0.64 % Calculated TDS: 4100 TDS/cTDS: 1.00

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

Tawnya M. Hall
Project Manager Assistant

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
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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: **X4F0080**
Reported: 20-Jun-24 10:09

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X424236	17-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X424236	17-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X424236	17-Jun-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X424032	10-Jun-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X424032	10-Jun-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X424032	10-Jun-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X424032	10-Jun-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X424032	10-Jun-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X424032	10-Jun-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X424032	10-Jun-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X424032	10-Jun-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X424032	10-Jun-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X424032	10-Jun-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X424032	10-Jun-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X424032	10-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X424032	10-Jun-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X424032	10-Jun-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X424032	10-Jun-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X424032	10-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X424032	10-Jun-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X424032	10-Jun-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X424032	10-Jun-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X424032	10-Jun-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X424032	10-Jun-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X424005	17-Jun-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X424005	17-Jun-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X424005	17-Jun-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X424005	17-Jun-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X424005	17-Jun-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X424161	12-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X424183	14-Jun-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X424020	11-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	X424206	14-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X424012	10-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X424012	10-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X424012	10-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X424012	10-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X423278	11-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X423280	12-Jun-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X423218	07-Jun-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X423218	07-Jun-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X423218	07-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X423218	07-Jun-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X423218	07-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X423218	07-Jun-24	

One Government Gulch - PO Box 929
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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: **X4F0080**
Reported: 20-Jun-24 10:09

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.8	20.0	99	85 - 115	X424236	17-Jun-24	
EPA 200.7	Magnesium	mg/L	20.4	20.0	102	85 - 115	X424236	17-Jun-24	
EPA 200.7	Potassium	mg/L	20.5	20.0	103	85 - 115	X424236	17-Jun-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.942	1.00	94.2	85 - 115	X424032	10-Jun-24	
EPA 200.7	Barium	mg/L	0.951	1.00	95.1	85 - 115	X424032	10-Jun-24	
EPA 200.7	Beryllium	mg/L	0.960	1.00	96.0	85 - 115	X424032	10-Jun-24	
EPA 200.7	Boron	mg/L	0.947	1.00	94.7	85 - 115	X424032	10-Jun-24	
EPA 200.7	Cadmium	mg/L	0.945	1.00	94.5	85 - 115	X424032	10-Jun-24	
EPA 200.7	Calcium	mg/L	19.2	20.0	95.8	85 - 115	X424032	10-Jun-24	
EPA 200.7	Chromium	mg/L	0.948	1.00	94.8	85 - 115	X424032	10-Jun-24	
EPA 200.7	Cobalt	mg/L	0.927	1.00	92.7	85 - 115	X424032	10-Jun-24	
EPA 200.7	Copper	mg/L	0.928	1.00	92.8	85 - 115	X424032	10-Jun-24	
EPA 200.7	Iron	mg/L	9.61	10.0	96.1	85 - 115	X424032	10-Jun-24	
EPA 200.7	Lead	mg/L	0.940	1.00	94.0	85 - 115	X424032	10-Jun-24	
EPA 200.7	Lithium	mg/L	0.915	1.00	91.5	85 - 115	X424032	10-Jun-24	
EPA 200.7	Magnesium	mg/L	19.9	20.0	99.3	85 - 115	X424032	10-Jun-24	
EPA 200.7	Manganese	mg/L	0.945	1.00	94.5	85 - 115	X424032	10-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.950	1.00	95.0	85 - 115	X424032	10-Jun-24	
EPA 200.7	Nickel	mg/L	0.925	1.00	92.5	85 - 115	X424032	10-Jun-24	
EPA 200.7	Potassium	mg/L	19.0	20.0	94.9	85 - 115	X424032	10-Jun-24	
EPA 200.7	Silver	mg/L	0.0481	0.0500	96.1	85 - 115	X424032	10-Jun-24	
EPA 200.7	Sodium	mg/L	18.4	19.0	96.9	85 - 115	X424032	10-Jun-24	
EPA 200.7	Vanadium	mg/L	0.955	1.00	95.5	85 - 115	X424032	10-Jun-24	
EPA 200.7	Zinc	mg/L	0.948	1.00	94.8	85 - 115	X424032	10-Jun-24	
EPA 200.8	Antimony	mg/L	0.0259	0.0250	104	85 - 115	X424005	17-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0273	0.0250	109	85 - 115	X424005	17-Jun-24	
EPA 200.8	Selenium	mg/L	0.0270	0.0250	108	85 - 115	X424005	17-Jun-24	
EPA 200.8	Thallium	mg/L	0.0266	0.0250	106	85 - 115	X424005	17-Jun-24	
EPA 200.8	Uranium	mg/L	0.0266	0.0250	106	85 - 115	X424005	17-Jun-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00209	0.00200	105	85 - 115	X424068	12-Jun-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0980	0.100	98.0	90 - 110	X424161	12-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0986	0.100	98.6	90 - 110	X424183	14-Jun-24	
EPA 350.1	Ammonia as N	mg/L	0.964	1.00	96.4	90 - 110	X424020	11-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	886	884	100	95.4 - 104	X424206	14-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	96.4 - 105	X424012	10-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	102	96.4 - 105	X424012	10-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X423280	12-Jun-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.06	3.00	102	90 - 110	X423218	07-Jun-24	
EPA 300.0	Fluoride	mg/L	2.05	2.00	102	90 - 110	X423218	07-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X423218	07-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.62	4.50	103	90 - 110	X423218	07-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.56	2.50	102	90 - 110	X423218	07-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X423218	07-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X424206 - X4F0080-01	14-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	157	157	0.1	20	X424012 - X4F0080-02	10-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	157	157	0.1	20	X424012 - X4F0080-02	10-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X424012 - X4F0080-02	10-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X424012 - X4F0080-02	10-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	192	170	12.2	10	X423278 - X4F0080-02	11-Jun-24	R2B
SM 2540 C	Total Diss. Solids	mg/L	315	423	29.3	10	X423278 - X4F0095-01	11-Jun-24	R2B
SM 2540 D	Total Susp. Solids	mg/L	13.0	11.0	16.7	10	X423280 - X4F0080-02	12-Jun-24	R2B
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X423280 - X4F0095-01	12-Jun-24	
SM 4500 H B	pH @22.4°C	pH Units	8.0	8.0	0.4	20	X424012 - X4F0080-02	10-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 Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	20.0	0.183	20.0	99	70 - 130	X424236 - X4F0080-01	17-Jun-24	
EPA 200.7	Calcium	mg/L	65.1	49.1	20.0	80	70 - 130	X424236 - X4F0103-01	17-Jun-24	
EPA 200.7	Magnesium	mg/L	20.3	<0.500	20.0	101	70 - 130	X424236 - X4F0080-01	17-Jun-24	
EPA 200.7	Magnesium	mg/L	24.8	5.08	20.0	98.4	70 - 130	X424236 - X4F0103-01	17-Jun-24	
EPA 200.7	Potassium	mg/L	77.6	52.7	20.0	125	70 - 130	X424236 - X4F0080-01	17-Jun-24	
EPA 200.7	Potassium	mg/L	34.4	14.9	20.0	97.7	70 - 130	X424236 - X4F0103-01	17-Jun-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.934	<0.080	1.00	93.4	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Aluminum	mg/L	212	216	1.00	0.30R>S	70 - 130	X424032 - X4F0080-07	10-Jun-24	M3
EPA 200.7	Barium	mg/L	0.982	0.0462	1.00	93.5	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Barium	mg/L	0.984	0.0106	1.00	97.4	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Beryllium	mg/L	0.968	<0.00200	1.00	96.8	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Beryllium	mg/L	1.20	0.218	1.00	98.4	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Boron	mg/L	1.02	0.0436	1.00	97.3	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	101	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Cadmium	mg/L	0.921	0.0031	1.00	91.8	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Cadmium	mg/L	1.48	0.517	1.00	96.7	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Calcium	mg/L	280	268	20.0	0.30R>S	70 - 130	X424032 - X4E0432-01	10-Jun-24	M3
EPA 200.7	Calcium	mg/L	486	478	20.0	0.30R>S	70 - 130	X424032 - X4F0080-07	10-Jun-24	M3
EPA 200.7	Chromium	mg/L	0.942	<0.0060	1.00	94.2	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Chromium	mg/L	0.971	0.0160	1.00	95.5	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Cobalt	mg/L	0.908	0.0067	1.00	90.1	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Cobalt	mg/L	1.44	0.489	1.00	94.7	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Copper	mg/L	0.969	0.0117	1.00	95.7	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Copper	mg/L	1.76	0.715	1.00	105	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Iron	mg/L	9.68	<0.100	10.0	96.8	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Iron	mg/L	10.1	0.293	10.0	97.6	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Lead	mg/L	0.914	<0.0075	1.00	90.8	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Lead	mg/L	0.971	<0.0075	1.00	96.4	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Lithium	mg/L	0.911	<0.040	1.00	91.1	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Lithium	mg/L	1.09	0.111	1.00	98.1	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Magnesium	mg/L	77.9	60.0	20.0	89.2	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Magnesium	mg/L	208	192	20.0	84.6	70 - 130	X424032 - X4F0080-07	10-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.966	0.0259	1.00	94.0	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Manganese	mg/L	74.0	74.5	1.00	0.30R>S	70 - 130	X424032 - X4F0080-07	10-Jun-24	M3
EPA 200.7	Molybdenum	mg/L	0.984	0.0275	1.00	95.7	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.978	<0.0080	1.00	97.4	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Nickel	mg/L	0.899	<0.0100	1.00	89.9	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Nickel	mg/L	1.83	0.893	1.00	93.8	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Potassium	mg/L	23.7	4.45	20.0	96.1	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Potassium	mg/L	25.4	5.38	20.0	100	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Silver	mg/L	0.0482	<0.0050	0.0500	96.4	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Silver	mg/L	0.0515	<0.0050	0.0500	103	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Sodium	mg/L	66.5	49.4	19.0	90.1	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Sodium	mg/L	55.1	36.6	19.0	97.5	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Vanadium	mg/L	0.967	<0.0050	1.00	96.7	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Vanadium	mg/L	0.994	0.0057	1.00	98.8	70 - 130	X424032 - X4F0080-07	10-Jun-24	
EPA 200.7	Zinc	mg/L	1.28	0.359	1.00	92.5	70 - 130	X424032 - X4E0432-01	10-Jun-24	
EPA 200.7	Zinc	mg/L	19.7	19.1	1.00	0.30R>S	70 - 130	X424032 - X4F0080-07	10-Jun-24	M3
EPA 200.8	Antimony	mg/L	0.0271	<0.00100	0.0250	105	70 - 130	X424005 - X4F0019-01	17-Jun-24	
EPA 200.8	Antimony	mg/L	0.0269	<0.00100	0.0250	108	70 - 130	X424005 - X4F0056-01	17-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0268	<0.00100	0.0250	107	70 - 130	X424005 - X4F0019-01	17-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0275	<0.00100	0.0250	109	70 - 130	X424005 - X4F0056-01	17-Jun-24	
EPA 200.8	Selenium	mg/L	0.0269	<0.00100	0.0250	107	70 - 130	X424005 - X4F0019-01	17-Jun-24	
EPA 200.8	Selenium	mg/L	0.0282	0.00122	0.0250	108	70 - 130	X424005 - X4F0056-01	17-Jun-24	
EPA 200.8	Thallium	mg/L	0.0267	<0.000200	0.0250	107	70 - 130	X424005 - X4F0019-01	17-Jun-24	
EPA 200.8	Thallium	mg/L	0.0265	<0.000200	0.0250	106	70 - 130	X424005 - X4F0056-01	17-Jun-24	
EPA 200.8	Uranium	mg/L	0.0277	0.000656	0.0250	108	70 - 130	X424005 - X4F0019-01	17-Jun-24	
EPA 200.8	Uranium	mg/L	0.0281	0.00121	0.0250	108	70 - 130	X424005 - X4F0056-01	17-Jun-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00211	<0.000200	0.00200	106	70 - 130	X424068 - X4F0004-01	12-Jun-24	
EPA 245.1	Mercury	mg/L	0.00210	<0.000200	0.00200	105	70 - 130	X424068 - X4F0080-02	12-Jun-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0820	<0.0050	0.100	82.0	79 - 121	X424161 - X4F0045-01	12-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0982	<0.0050	0.100	98.2	90 - 110	X424183 - X4F0079-01	14-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X424183 - X4F0079-02	14-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.00	<0.030	1.00	100	90 - 110	X424020 - X4F0078-09	11-Jun-24	
EPA 350.1	Ammonia as N	mg/L	0.990	<0.030	1.00	99.0	90 - 110	X424020 - X4F0078-10	11-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0990	<0.0050	0.100	99.0	82 - 118	X424024 - X4E0490-03	11-Jun-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.97	1.79	3.00	106	90 - 110	X423218 - X4F0080-03	06-Jun-24	
EPA 300.0	Chloride	mg/L	167	162	3.00	0.30R>S	90 - 110	X423218 - X4F0084-01	07-Jun-24	D2,M4
EPA 300.0	Fluoride	mg/L	2.25	0.215	2.00	102	90 - 110	X423218 - X4F0080-03	06-Jun-24	
EPA 300.0	Fluoride	mg/L	2.71	<0.100	2.00	135	90 - 110	X423218 - X4F0084-01	06-Jun-24	M1
EPA 300.0	Nitrate as N	mg/L	2.78	0.663	2.00	106	90 - 110	X423218 - X4F0080-03	06-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X423218 - X4F0084-01	06-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.84	0.663	4.00	104	90 - 110	X423218 - X4F0080-03	06-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.40	<0.100	4.00	110	90 - 110	X423218 - X4F0084-01	06-Jun-24	D1
EPA 300.0	Nitrite as N	mg/L	2.05	<0.050	2.00	103	90 - 110	X423218 - X4F0080-03	06-Jun-24	
EPA 300.0	Nitrite as N	mg/L	<2.50	<2.50	2.00	118	90 - 110	X423218 - X4F0084-01	07-Jun-24	D1,M4
EPA 300.0	Sulfate as SO4	mg/L	31.8	21.4	10.0	104	90 - 110	X423218 - X4F0080-03	06-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	11.0	<0.30	10.0	107	90 - 110	X423218 - X4F0084-01	06-Jun-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	19.4	20.0	20.0	3.0	20	96	X424236 - X4F0080-01	
EPA 200.7	Magnesium	mg/L	19.9	20.3	20.0	1.7	20	99.7	X424236 - X4F0080-01	
EPA 200.7	Potassium	mg/L	76.4	77.6	20.0	1.6	20	118	X424236 - X4F0080-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.980	0.934	1.00	4.8	20	98.0	X424032 - X4E0432-01	
EPA 200.7	Barium	mg/L	1.03	0.982	1.00	4.5	20	98.0	X424032 - X4E0432-01	
EPA 200.7	Beryllium	mg/L	0.986	0.968	1.00	1.9	20	98.6	X424032 - X4E0432-01	
EPA 200.7	Boron	mg/L	1.05	1.02	1.00	2.9	20	100	X424032 - X4E0432-01	
EPA 200.7	Cadmium	mg/L	0.954	0.921	1.00	3.5	20	95.1	X424032 - X4E0432-01	
EPA 200.7	Calcium	mg/L	281	280	20.0	0.4	20	0.30R>S	X424032 - X4E0432-01	M3
EPA 200.7	Chromium	mg/L	0.976	0.942	1.00	3.5	20	97.6	X424032 - X4E0432-01	
EPA 200.7	Cobalt	mg/L	0.939	0.908	1.00	3.4	20	93.3	X424032 - X4E0432-01	
EPA 200.7	Copper	mg/L	0.999	0.969	1.00	3.1	20	98.7	X424032 - X4E0432-01	
EPA 200.7	Iron	mg/L	9.98	9.68	10.0	3.1	20	99.8	X424032 - X4E0432-01	
EPA 200.7	Lead	mg/L	0.947	0.914	1.00	3.5	20	94.1	X424032 - X4E0432-01	
EPA 200.7	Lithium	mg/L	0.945	0.911	1.00	3.6	20	94.5	X424032 - X4E0432-01	
EPA 200.7	Magnesium	mg/L	79.9	77.9	20.0	2.6	20	99.5	X424032 - X4E0432-01	
EPA 200.7	Manganese	mg/L	1.00	0.966	1.00	3.5	20	97.4	X424032 - X4E0432-01	
EPA 200.7	Molybdenum	mg/L	1.02	0.984	1.00	3.6	20	99.3	X424032 - X4E0432-01	
EPA 200.7	Nickel	mg/L	0.933	0.899	1.00	3.7	20	93.3	X424032 - X4E0432-01	
EPA 200.7	Potassium	mg/L	24.2	23.7	20.0	2.4	20	99.0	X424032 - X4E0432-01	
EPA 200.7	Silver	mg/L	0.0496	0.0482	0.0500	2.9	20	99.3	X424032 - X4E0432-01	
EPA 200.7	Sodium	mg/L	67.2	66.5	19.0	1.0	20	93.6	X424032 - X4E0432-01	
EPA 200.7	Vanadium	mg/L	0.997	0.967	1.00	3.0	20	99.7	X424032 - X4E0432-01	
EPA 200.7	Zinc	mg/L	1.32	1.28	1.00	2.6	20	95.9	X424032 - X4E0432-01	
EPA 200.8	Antimony	mg/L	0.0270	0.0271	0.0250	0.5	20	105	X424005 - X4F0019-01	
EPA 200.8	Arsenic	mg/L	0.0277	0.0268	0.0250	3.6	20	111	X424005 - X4F0019-01	
EPA 200.8	Selenium	mg/L	0.0271	0.0269	0.0250	0.6	20	107	X424005 - X4F0019-01	
EPA 200.8	Thallium	mg/L	0.0266	0.0267	0.0250	0.4	20	106	X424005 - X4F0019-01	
EPA 200.8	Uranium	mg/L	0.0271	0.0277	0.0250	2.4	20	106	X424005 - X4F0019-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00205	0.00211	0.00200	2.9	20	103	X424068 - X4F0004-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0770	0.0820	0.100	6.3	11	77.0	X424161 - X4F0045-01	M2
EPA 335.4	Cyanide (total)	mg/L	0.101	0.0982	0.100	2.4	20	101	X424183 - X4F0079-01	
EPA 350.1	Ammonia as N	mg/L	0.990	1.00	1.00	1.0	20	99.0	X424020 - X4F0078-09	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.0990	0.100	2.0	11	101	X424024 - X4E0490-03	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	164	167	3.00	1.7	20	0.30R>S	X423218 - X4F0084-01	D2,M4
EPA 300.0	Fluoride	mg/L	2.73	2.71	2.00	0.8	20	136	X423218 - X4F0084-01	M1
EPA 300.0	Nitrate as N	mg/L	2.06	2.04	2.00	1.2	20	103	X423218 - X4F0084-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.43	4.40	4.00	0.5	20	111	X423218 - X4F0084-01	D1,M4
EPA 300.0	Nitrite as N	mg/L	<2.50	<2.50	2.00	0.0	20	118	X423218 - X4F0084-01	D1,M4

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	11.0	11.0	10.0	0.6	20	108	X423218 - X4F0084-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

HOLDING TIME SUMMARY

ASTM D7237

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605	06/05/24	06/06/24	06/12/24	7	14	06/12/24	7	14	
GVMW-26A	06/05/24	06/06/24	06/12/24	7	14	06/12/24	7	14	
GVMW-26B	06/05/24	06/06/24	06/12/24	7	14	06/12/24	7	14	
GVMW-126G	06/05/24	06/06/24	06/12/24	7	14	06/12/24	7	14	
GVMW-22A	06/05/24	06/06/24	06/12/24	7	14	06/12/24	7	14	
GVMW-22B	06/05/24	06/06/24	06/12/24	7	14	06/12/24	7	14	
GVMW-25	06/05/24	06/06/24	06/12/24	7	14	06/12/24	7	14	

HOLDING TIME SUMMARY

EPA 245.1

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605	06/05/24	06/06/24	06/12/24	7	28	06/12/24	7	28	
GVMW-26A	06/05/24	06/06/24	06/12/24	7	28	06/12/24	7	28	
GVMW-26B	06/05/24	06/06/24	06/12/24	7	28	06/12/24	7	28	
GVMW-126G	06/05/24	06/06/24	06/12/24	7	28	06/12/24	7	28	
GVMW-22A	06/05/24	06/06/24	06/12/24	7	28	06/12/24	7	28	
GVMW-22B	06/05/24	06/06/24	06/12/24	7	28	06/12/24	7	28	
GVMW-25	06/05/24	06/06/24	06/12/24	7	28	06/12/24	7	28	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

HOLDING TIME SUMMARY

EPA 300.0

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605	06/05/24 09:30	06/06/24	06/06/24 13:19	1.2	2.0	06/06/24 14:25	1.2	2.0	
RB-0605	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
RB-0605	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GVMW-26A	06/05/24 10:19	06/06/24	06/06/24 13:19	1.2	2.0	06/06/24 15:39	1.3	2.0	
GVMW-26A	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GVMW-26B	06/05/24 11:20	06/06/24	06/06/24 13:19	1.1	2.0	06/06/24 16:16	1.2	2.0	
GVMW-26B	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GVMW-126G	06/05/24 11:20	06/06/24	06/06/24 13:19	1.1	2.0	06/06/24 16:53	1.3	2.0	
GVMW-126G	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GVMW-22A	06/05/24 12:35	06/06/24	06/06/24 13:19	1.1	2.0	06/06/24 18:25	1.3	2.0	
GVMW-22A	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GVMW-22B	06/05/24 13:32	06/06/24	06/06/24 13:19	1.0	2.0	06/06/24 19:02	1.3	2.0	
GVMW-22B	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GVMW-25	06/05/24 14:25	06/06/24	06/06/24 13:19	1.0	2.0	06/06/24 19:39	1.3	2.0	
GVMW-25	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GVMW-25	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GVMW-25	06/05/24	06/06/24	06/06/24	1	28	06/07/24	2	28	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

HOLDING TIME SUMMARY

EPA 335.4

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-26A	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-26B	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-126G	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-22A	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-22B	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-25	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	

HOLDING TIME SUMMARY

EPA 350.1

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605	06/05/24	06/06/24	06/10/24	5	28	06/11/24	6	28	
GVMW-26A	06/05/24	06/06/24	06/10/24	5	28	06/11/24	6	28	
GVMW-26B	06/05/24	06/06/24	06/10/24	5	28	06/11/24	6	28	
GVMW-126G	06/05/24	06/06/24	06/10/24	5	28	06/11/24	6	28	
GVMW-22A	06/05/24	06/06/24	06/10/24	5	28	06/11/24	6	28	
GVMW-22B	06/05/24	06/06/24	06/10/24	5	28	06/11/24	6	28	
GVMW-25	06/05/24	06/06/24	06/10/24	5	28	06/11/24	6	28	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

HOLDING TIME SUMMARY

OIA 1677

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605	06/05/24	06/06/24	06/10/24	5	14	06/11/24	6	14	
GVMW-26A	06/05/24	06/06/24	06/10/24	5	14	06/11/24	6	14	
GVMW-26B	06/05/24	06/06/24	06/10/24	5	14	06/11/24	6	14	
GVMW-126G	06/05/24	06/06/24	06/10/24	5	14	06/11/24	6	14	
GVMW-22A	06/05/24	06/06/24	06/10/24	5	14	06/11/24	6	14	
GVMW-22B	06/05/24	06/06/24	06/10/24	5	14	06/11/24	6	14	
GVMW-25	06/05/24	06/06/24	06/10/24	5	14	06/11/24	6	14	

HOLDING TIME SUMMARY

SM 2310 B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-26A	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-26B	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-126G	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-22A	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-22B	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	
GVMW-25	06/05/24	06/06/24	06/13/24	8	14	06/14/24	9	14	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

HOLDING TIME SUMMARY

SM 2320 B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605	06/05/24	06/06/24	06/10/24	5	14	06/10/24	5	14	
GVMW-26A	06/05/24	06/06/24	06/10/24	5	14	06/10/24	5	14	
GVMW-26B	06/05/24	06/06/24	06/10/24	5	14	06/10/24	5	14	
GVMW-126G	06/05/24	06/06/24	06/10/24	5	14	06/10/24	5	14	
GVMW-22A	06/05/24	06/06/24	06/10/24	5	14	06/10/24	5	14	
GVMW-22B	06/05/24	06/06/24	06/10/24	5	14	06/10/24	5	14	
GVMW-25	06/05/24	06/06/24	06/10/24	5	14	06/10/24	5	14	

HOLDING TIME SUMMARY

SM 2540 C

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605		06/06/24		5	7		1.0		
GVMW-26A		06/06/24		5	7		1.0		
GVMW-26B		06/06/24		5	7		1.0		
GVMW-126G		06/06/24		5	7		1.0		
GVMW-22A		06/06/24		5	7		1.0		
GVMW-22B		06/06/24		5	7		1.0		
GVMW-25		06/06/24		5	7		1.0		

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0080**
Reported: 20-Jun-24 10:09

HOLDING TIME SUMMARY

SM 2540 D

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605		06/06/24		5	7		2.0		
GVMW-26A		06/06/24		5	7		2.0		
GVMW-26B		06/06/24		5	7		2.0		
GVMW-126G		06/06/24		5	7		2.0		
GVMW-22A		06/06/24		5	7		2.0		
GVMW-22B		06/06/24		5	7		2.0		
GVMW-25		06/06/24		5	7		2.0		

HOLDING TIME SUMMARY

SM 4500 H B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0080**
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
RB-0605	06/05/24 09:30	06/06/24	06/10/24 08:06	5.0	0.0	06/10/24 16:57	5.4	0.0	H5
GVMW-26A	06/05/24 10:19	06/06/24	06/10/24 08:06	4.9	0.0	06/10/24 17:02	5.3	0.0	H5
GVMW-26B	06/05/24 11:20	06/06/24	06/10/24 08:06	4.9	0.0	06/10/24 17:08	5.3	0.0	H5
GVMW-126G	06/05/24 11:20	06/06/24	06/10/24 08:06	4.9	0.0	06/10/24 17:14	5.3	0.0	H5
GVMW-22A	06/05/24 12:35	06/06/24	06/10/24 08:06	4.9	0.0	06/10/24 17:32	5.2	0.0	H5
GVMW-22B	06/05/24 13:32	06/06/24	06/10/24 08:06	4.8	0.0	06/10/24 17:39	5.2	0.0	H5
GVMW-25	06/05/24 14:25	06/06/24	06/10/24 08:06	4.8	0.0	06/10/24 17:45	5.2	0.0	H5

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0080**
Victor, CO 80860	Reported: 20-Jun-24 10:09

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0224**
Victor, CO 80860	Reported: 28-Jun-24 14:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
EMP-17C	X4F0224-01	Ground Water	12-Jun-24 09:00	PB	13-Jun-2024	
GVMW-15B	X4F0224-02	Ground Water	12-Jun-24 11:30	PB	13-Jun-2024	
GVMW-15A	X4F0224-03	Ground Water	12-Jun-24 12:32	PB	13-Jun-2024	
OSABH-17	X4F0224-04	Ground Water	12-Jun-24 13:39	PB	13-Jun-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: X4F0224

The state of origin only accredits for drinking water analyses.

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0224**
Reported: 28-Jun-24 14:40

Client Sample ID: **EMP-17C**
SVL Sample ID: **X4F0224-01 (Ground Water)**

Sampled: 12-Jun-24 09:00
Received: 13-Jun-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**	441	mg/L	1.00	0.690	10	X425056	NMS	06/24/24 13:41	D2
EPA 200.7	**Magnesium**	155	mg/L	0.500	0.090		X425056	NMS	06/24/24 11:27	
EPA 200.7	**Potassium**	4.89	mg/L	0.50	0.18		X425056	NMS	06/24/24 11:27	
SM 2340 B	**Hardness (as CaCO3)**	1720	mg/L	2.31	0.543		N/A		06/24/24 11:27	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X425063	NMS	06/19/24 16:02	
EPA 200.7	**Barium**	0.0177	mg/L	0.0020	0.0019		X425063	NMS	06/19/24 16:02	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X425063	NMS	06/19/24 16:02	
EPA 200.7	**Boron**	0.0983	mg/L	0.0400	0.0078		X425063	NMS	06/19/24 16:02	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X425063	NMS	06/19/24 16:02	
EPA 200.7	**Calcium**	456	mg/L	0.100	0.069		X425063	NMS	06/19/24 16:02	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X425063	NMS	06/19/24 16:02	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X425063	NMS	06/19/24 16:02	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X425063	NMS	06/19/24 16:02	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X425063	NMS	06/19/24 16:02	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X425063	NMS	06/19/24 16:02	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X425063	NMS	06/19/24 16:02	
EPA 200.7	**Magnesium**	142	mg/L	0.500	0.090		X425063	NMS	06/19/24 16:02	
EPA 200.7	**Manganese**	8.80	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 16:02	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 16:02	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X425063	NMS	06/19/24 16:02	
EPA 200.7	**Potassium**	4.17	mg/L	0.50	0.18		X425063	NMS	06/19/24 16:02	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 16:02	
EPA 200.7	**Sodium**	71.5	mg/L	0.50	0.12		X425063	NMS	06/19/24 16:02	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 16:02	
EPA 200.7	**Zinc**	0.0472	mg/L	0.0100	0.0054		X425063	NMS	06/19/24 16:02	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X425041	SMU	06/25/24 16:13	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X425041	SMU	06/25/24 16:13	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X425041	SMU	06/25/24 16:13	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X425041	SMU	06/25/24 16:13	
EPA 200.8	**Uranium**	0.00555	mg/L	0.000100	0.000052		X425041	SMU	06/25/24 16:13	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 14:55	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X425237	DD	06/21/24 13:19	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X425169	DD	06/21/24 09:23	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X425017	JPM	06/18/24 12:11	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 15:40	
SM 2310 B	**Acidity to pH 8.3**	-62.3	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	**Total Alkalinity**	63.8	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:37	
SM 2320 B	**Bicarbonate**	63.8	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:37	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:37	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:37	
SM 2540 C	**Total Diss. Solids**	9890	mg/L	40			X424212	TJL	06/17/24 14:30	D2
SM 2540 D	**Total Susp. Solids**	12.0	mg/L	5.0			X424213	TJL	06/17/24 15:05	
SM 4500 H B	**pH @19.3°C**	7.2	pH Units				X425075	MWD	06/18/24 16:37	H5

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0224**
Reported: 28-Jun-24 14:40

Client Sample ID: **EMP-17C**
SVL Sample ID: **X4F0224-01 (Ground Water)**

Sampled: 12-Jun-24 09:00
Received: 13-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.12	mg/L	0.20	0.02		X424176	RS	06/13/24 14:25	
EPA 300.0	**Fluoride**	5.45	mg/L	0.100	0.017		X424176	RS	06/13/24 14:25	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X424176	RS	06/13/24 14:25	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X424176	RS	06/13/24 14:25	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X424176	RS	06/13/24 14:25	
EPA 300.0	**Sulfate as SO4**	1760	mg/L	15.0	9.00	50	X424176	RS	06/13/24 14:41	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 37.2 meq/L Anion Sum: 38.4 meq/L C/A Balance: -1.47 % Calculated TDS: 2482 TDS/cTDS: 3.98

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

Tawnya M. Hall
Project Manager Assistant

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0224**
Reported: 28-Jun-24 14:40

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X4F0224-02 (Ground Water)**

Sampled: 12-Jun-24 11:30
Received: 13-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	36.3	mg/L	0.100	0.069		X425056	NMS	06/24/24 11:30	
EPA 200.7	**Magnesium**	20.9	mg/L	0.500	0.090		X425056	NMS	06/24/24 11:30	
EPA 200.7	**Potassium**	2.18	mg/L	0.50	0.18		X425056	NMS	06/24/24 11:30	
SM 2340 B	**Hardness (as CaCO3)**	178	mg/L	2.31	0.543		N/A		06/19/24 16:06	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.364	mg/L	0.080	0.054		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Barium**	0.0143	mg/L	0.0020	0.0019		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Beryllium**	0.0326	mg/L	0.00200	0.00080		X425063	NMS	06/19/24 16:06	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X425063	NMS	06/19/24 16:06	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Calcium**	36.9	mg/L	0.100	0.069		X425063	NMS	06/19/24 16:06	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Cobalt**	0.0616	mg/L	0.0060	0.0046		X425063	NMS	06/19/24 16:06	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Iron**	19.4	mg/L	0.100	0.056		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Lead**	0.0266	mg/L	0.0075	0.0049		X425063	NMS	06/19/24 16:06	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Magnesium**	21.2	mg/L	0.500	0.090		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Manganese**	1.24	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 16:06	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Nickel**	0.104	mg/L	0.0100	0.0048		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Potassium**	2.10	mg/L	0.50	0.18		X425063	NMS	06/19/24 16:06	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Sodium**	12.6	mg/L	0.50	0.12		X425063	NMS	06/19/24 16:06	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 16:06	
EPA 200.7	**Zinc**	1.10	mg/L	0.0100	0.0054		X425063	NMS	06/19/24 16:06	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X425041	SMU	06/25/24 17:00	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X425041	SMU	06/25/24 17:00	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X425041	SMU	06/25/24 17:00	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X425041	SMU	06/25/24 17:00	
EPA 200.8	**Uranium**	0.00332	mg/L	0.000100	0.000052		X425041	SMU	06/25/24 17:00	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 14:57	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X425237	DD	06/21/24 13:21	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X425169	DD	06/21/24 09:26	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X425017	JPM	06/18/24 12:13	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 15:46	
SM 2310 B	**Acidity to pH 8.3**	230	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:42	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:42	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:42	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:42	
SM 2540 C	**Total Diss. Solids**	368	mg/L	10			X424212	TJL	06/17/24 14:30	
SM 2540 D	**Total Susp. Solids**	9.0	mg/L	5.0			X424213	TJL	06/17/24 15:05	
SM 4500 H B	**pH @19.4°C**	3.8	pH Units				X425075	MWD	06/18/24 16:42	H5

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

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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: **X4F0224**
Reported: 28-Jun-24 14:40

Client Sample ID: **GVMW-15B**
SVL Sample ID: **X4F0224-02 (Ground Water)**

Sampled: 12-Jun-24 11:30
Received: 13-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.90	mg/L	0.20	0.02		X424176	RS	06/13/24 14:57	
EPA 300.0	**Fluoride**	0.342	mg/L	0.100	0.017		X424176	RS	06/13/24 14:57	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X424176	RS	06/13/24 14:57	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X424176	RS	06/13/24 14:57	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X424176	RS	06/13/24 14:57	
EPA 300.0	**Sulfate as SO4**	240	mg/L	3.00	1.80	10	X424176	RS	06/13/24 15:13	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.95 meq/L Anion Sum: 5.06 meq/L C/A Balance: -1.11 % Calculated TDS: 314 TDS/cTDS: 1.17

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

Tawnya M. Hall
Project Manager Assistant

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: **X4F0224**
Reported: 28-Jun-24 14:40

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X4F0224-03 (Ground Water)**

Sampled: 12-Jun-24 12:32
Received: 13-Jun-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**	19.2	mg/L	0.100	0.069		X425056	NMS	06/24/24 11:34	
EPA 200.7	**Magnesium**	17.2	mg/L	0.500	0.090		X425056	NMS	06/24/24 11:34	
EPA 200.7	**Potassium**	1.79	mg/L	0.50	0.18		X425056	NMS	06/24/24 11:34	
SM 2340 B	**Hardness (as CaCO3)**	121	mg/L	2.31	0.543		N/A		06/24/24 11:34	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Barium**	0.0549	mg/L	0.0020	0.0019		X425063	NMS	06/19/24 16:10	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X425063	NMS	06/19/24 16:10	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X425063	NMS	06/19/24 16:10	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Calcium**	18.8	mg/L	0.100	0.069		X425063	NMS	06/19/24 16:10	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Cobalt**	0.0293	mg/L	0.0060	0.0046		X425063	NMS	06/19/24 16:10	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Iron**	31.6	mg/L	0.100	0.056		X425063	NMS	06/19/24 16:10	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X425063	NMS	06/19/24 16:10	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Magnesium**	17.8	mg/L	0.500	0.090		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Manganese**	1.82	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 16:10	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Nickel**	0.0585	mg/L	0.0100	0.0048		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Potassium**	1.80	mg/L	0.50	0.18		X425063	NMS	06/19/24 16:10	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Sodium**	12.9	mg/L	0.50	0.12		X425063	NMS	06/19/24 16:10	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 16:10	
EPA 200.7	**Zinc**	0.226	mg/L	0.0100	0.0054		X425063	NMS	06/19/24 16:10	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X425041	SMU	06/25/24 17:02	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X425041	SMU	06/25/24 17:02	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X425041	SMU	06/25/24 17:02	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X425041	SMU	06/25/24 17:02	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X425041	SMU	06/25/24 17:02	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 15:03	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X425237	DD	06/21/24 13:27	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X425169	DD	06/21/24 09:29	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X425017	JPM	06/18/24 12:15	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 15:48	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	**Total Alkalinity**	1.3	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:48	
SM 2320 B	**Bicarbonate**	1.3	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:48	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:48	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:48	
SM 2540 C	**Total Diss. Solids**	285	mg/L	10			X424212	TJL	06/17/24 14:30	
SM 2540 D	**Total Susp. Solids**	34.0	mg/L	5.0			X424213	TJL	06/17/24 15:05	
SM 4500 H B	**pH @19.4°C**	5.2	pH Units				X425075	MWD	06/18/24 16:48	H5

SVL holds the following certifications:
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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: **X4F0224**
Reported: 28-Jun-24 14:40

Client Sample ID: **GVMW-15A**
SVL Sample ID: **X4F0224-03 (Ground Water)**

Sampled: 12-Jun-24 12:32
Received: 13-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.37	mg/L	0.20	0.02		X424176	RS	06/13/24 15:29	
EPA 300.0	**Fluoride**	0.290	mg/L	0.100	0.017		X424176	RS	06/13/24 15:29	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X424176	RS	06/13/24 15:29	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X424176	RS	06/13/24 15:29	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X424176	RS	06/13/24 15:29	
EPA 300.0	**Sulfate as SO4**	176	mg/L	3.00	1.80	10	X424176	RS	06/13/24 15:45	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.18 meq/L Anion Sum: 3.75 meq/L C/A Balance: 5.42 % Calculated TDS: 230 TDS/cTDS: 1.24

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

Tawnya M. Hall
Project Manager Assistant

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: **X4F0224**
Reported: 28-Jun-24 14:40

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4F0224-04 (Ground Water)**

Sampled: 12-Jun-24 13:39
Received: 13-Jun-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**	401	mg/L	10.0	6.90	100	X425056	NMS	06/24/24 13:44	D2
EPA 200.7	**Magnesium**	1060	mg/L	50.0	9.00	100	X425056	NMS	06/24/24 13:44	D2
EPA 200.7	**Potassium**	5.19	mg/L	0.50	0.18		X425056	NMS	06/24/24 11:38	
SM 2340 B	**Hardness (as CaCO3)**	5700	mg/L	46.2	10.9		N/A		06/24/24 13:44	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	2530	mg/L	1.60	1.08	20	X425063	NMS	06/19/24 16:22	D2
EPA 200.7	Barium	< 0.0400	mg/L	0.0400	0.0380	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Beryllium**	0.486	mg/L	0.0400	0.0160	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	Boron	< 0.800	mg/L	0.800	0.156	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Cadmium**	5.43	mg/L	0.0400	0.0320	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Calcium**	424	mg/L	2.00	1.38	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Chromium**	0.502	mg/L	0.120	0.0400	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Cobalt**	11.8	mg/L	0.120	0.0920	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Copper**	9.88	mg/L	0.200	0.0540	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Iron**	63.2	mg/L	2.00	1.12	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	Lead	< 0.150	mg/L	0.150	0.0980	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Lithium**	1.48	mg/L	0.800	0.500	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Magnesium**	1130	mg/L	10.0	1.80	20	X425063	NMS	06/19/24 16:22	D2
EPA 200.7	**Manganese**	808	mg/L	0.160	0.0680	20	X425063	NMS	06/19/24 16:22	D2
EPA 200.7	Molybdenum	< 0.160	mg/L	0.160	0.0680	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Nickel**	10.7	mg/L	0.200	0.0960	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	Silver	< 0.100	mg/L	0.100	0.0380	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Sodium**	15.4	mg/L	10.0	2.40	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	Vanadium	< 0.100	mg/L	0.100	0.0380	20	X425063	NMS	06/19/24 16:22	D1
EPA 200.7	**Zinc**	204	mg/L	0.200	0.108	20	X425063	NMS	06/19/24 16:22	D2
EPA 200.8	Antimony	< 0.00500	mg/L	0.00500	0.00360	5	X425041	SMU	06/25/24 19:33	D1
EPA 200.8	**Arsenic**	0.400	mg/L	0.00500	0.00105	5	X425041	SMU	06/25/24 19:33	D1
EPA 200.8	**Selenium**	0.0378	mg/L	0.00500	0.00120	5	X425041	SMU	06/25/24 19:33	D1
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.000400	5	X425041	SMU	06/25/24 19:33	D1
EPA 200.8	**Uranium**	8.22	mg/L	0.0100	0.00520	100	X425041	SMU	06/26/24 14:44	D2
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 15:05	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X425237	DD	06/21/24 13:28	
EPA 335.4	**Cyanide (total)**	0.0097	mg/L	0.0050	0.0038		X425169	DD	06/21/24 09:31	Q12
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X425017	JPM	06/18/24 12:17	
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X426131	DD	06/26/24 15:49	D1,Q12
SM 2310 B	**Acidity to pH 8.3**	16300	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:52	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:52	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:52	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:52	
SM 2540 C	**Total Diss. Solids**	27900	mg/L	100			X424212	TJL	06/17/24 14:30	D2,E11
SM 2540 D	**Total Susp. Solids**	97.0	mg/L	5.0			X424213	TJL	06/17/24 15:05	
SM 4500 H B	**pH @19.5°C**	3.0	pH Units				X425075	MWD	06/18/24 16:52	H5

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

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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: **X4F0224**
Reported: 28-Jun-24 14:40

Client Sample ID: **OSABH-17**
SVL Sample ID: **X4F0224-04 (Ground Water)**

Sampled: 12-Jun-24 13:39
Received: 13-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	14.2	mg/L	5.00	0.55	25	X424176	RS	06/13/24 16:01	D2
EPA 300.0	**Fluoride**	373	mg/L	50.0	8.50	500	X424176	RS	06/13/24 16:16	D2
EPA 300.0	Nitrate as N	< 1.25	mg/L	1.25	0.325	25	X424176	RS	06/13/24 16:01	D1
EPA 300.0	Nitrate+Nitrite as N	< 2.50	mg/L	2.50	1.10	25	X424176	RS	06/13/24 16:01	D1
EPA 300.0	Nitrite as N	< 1.25	mg/L	1.25	0.775	25	X424176	RS	06/13/24 16:01	D1
EPA 300.0	**Sulfate as SO4**	22700	mg/L	150	90.0	500	X424176	RS	06/13/24 16:16	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 434 meq/L Anion Sum: 493 meq/L C/A Balance: -6.34 % Calculated TDS: 24613 TDS/cTDS: 1.13

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

Tawnya M. Hall
Project Manager Assistant

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: **X4F0224**
Reported: 28-Jun-24 14:40

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	X425056	24-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X425056	24-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X425056	24-Jun-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X425063	19-Jun-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X425063	19-Jun-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X425063	19-Jun-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X425063	19-Jun-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X425063	19-Jun-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X425063	19-Jun-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X425063	19-Jun-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X425063	19-Jun-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X425063	19-Jun-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X425063	19-Jun-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X425063	19-Jun-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X425063	19-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X425063	19-Jun-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X425063	19-Jun-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X425063	19-Jun-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X425063	19-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X425063	19-Jun-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X425063	19-Jun-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X425063	19-Jun-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X425063	19-Jun-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X425063	19-Jun-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X425041	25-Jun-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X425041	25-Jun-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X425041	25-Jun-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X425041	25-Jun-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X425041	25-Jun-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X425106	25-Jun-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X425237	21-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X425169	21-Jun-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X425017	18-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X426131	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X425195	21-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X425075	18-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X425075	18-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X425075	18-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X425075	18-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X424212	17-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X424213	17-Jun-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X424176	13-Jun-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X424176	13-Jun-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X424176	13-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X424176	13-Jun-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X424176	13-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X424176	13-Jun-24	

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: **X4F0224**
Reported: 28-Jun-24 14:40

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	20.1	20.0	100	85 - 115	X425056	24-Jun-24	
EPA 200.7	Magnesium	mg/L	20.8	20.0	104	85 - 115	X425056	24-Jun-24	
EPA 200.7	Potassium	mg/L	20.7	20.0	103	85 - 115	X425056	24-Jun-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.975	1.00	97.5	85 - 115	X425063	19-Jun-24	
EPA 200.7	Barium	mg/L	0.982	1.00	98.2	85 - 115	X425063	19-Jun-24	
EPA 200.7	Beryllium	mg/L	0.987	1.00	98.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Boron	mg/L	0.978	1.00	97.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Cadmium	mg/L	0.968	1.00	96.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Chromium	mg/L	0.992	1.00	99.2	85 - 115	X425063	19-Jun-24	
EPA 200.7	Cobalt	mg/L	0.951	1.00	95.1	85 - 115	X425063	19-Jun-24	
EPA 200.7	Copper	mg/L	0.984	1.00	98.4	85 - 115	X425063	19-Jun-24	
EPA 200.7	Iron	mg/L	9.72	10.0	97.2	85 - 115	X425063	19-Jun-24	
EPA 200.7	Lead	mg/L	0.948	1.00	94.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Lithium	mg/L	0.937	1.00	93.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Magnesium	mg/L	19.8	20.0	98.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Manganese	mg/L	0.962	1.00	96.2	85 - 115	X425063	19-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.978	1.00	97.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Nickel	mg/L	0.957	1.00	95.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Potassium	mg/L	19.5	20.0	97.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Silver	mg/L	0.0488	0.0500	97.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Sodium	mg/L	19.1	19.0	100	85 - 115	X425063	19-Jun-24	
EPA 200.7	Vanadium	mg/L	0.986	1.00	98.6	85 - 115	X425063	19-Jun-24	
EPA 200.7	Zinc	mg/L	0.978	1.00	97.8	85 - 115	X425063	19-Jun-24	
EPA 200.8	Antimony	mg/L	0.0251	0.0250	101	85 - 115	X425041	25-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0248	0.0250	99.1	85 - 115	X425041	25-Jun-24	
EPA 200.8	Selenium	mg/L	0.0241	0.0250	96.3	85 - 115	X425041	25-Jun-24	
EPA 200.8	Thallium	mg/L	0.0253	0.0250	101	85 - 115	X425041	25-Jun-24	
EPA 200.8	Uranium	mg/L	0.0252	0.0250	101	85 - 115	X425041	25-Jun-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00220	0.00200	110	85 - 115	X425106	25-Jun-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0940	0.100	94.0	90 - 110	X425237	21-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0984	0.100	98.4	90 - 110	X425169	21-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X425017	18-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.108	0.100	108	90 - 110	X426131	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	860	884	97.2	95.4 - 104	X425195	21-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	96.4 - 105	X425075	18-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	96.4 - 105	X425075	18-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	408	397	103	96.4 - 105	X425075	18-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X424213	17-Jun-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.96	3.00	98.6	90 - 110	X424176	13-Jun-24	
EPA 300.0	Fluoride	mg/L	1.99	2.00	99.4	90 - 110	X424176	13-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.01	2.00	100	90 - 110	X424176	13-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	4.50	101	90 - 110	X424176	13-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.55	2.50	102	90 - 110	X424176	13-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X424176	13-Jun-24	

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: **X4F0224**
Reported: 28-Jun-24 14:40

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	X425195 - X4F0175-01	21-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	33.6	35.7	6.1	20	X425075 - X4F0175-02	18-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	33.6	35.7	6.1	20	X425075 - X4F0175-02	18-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X425075 - X4F0175-02	18-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X425075 - X4F0175-02	18-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	381	368	3.5	10	X424212 - X4F0224-02	17-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	16.0	17.0	6.1	10	X424213 - X4F0231-02	17-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	9.0	0.0	10	X424213 - X4F0224-02	17-Jun-24	
SM 4500 H B	pH @19.2°C	pH Units	6.6	6.7	1.2	20	X425075 - X4F0175-02	18-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 Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	72.2	50.2	20.0	110	70 - 130	X425056 - X4F0175-01	24-Jun-24	
EPA 200.7	Calcium	mg/L	262	237	20.0	124	70 - 130	X425056 - X4F0285-01	24-Jun-24	
EPA 200.7	Magnesium	mg/L	27.5	6.53	20.0	105	70 - 130	X425056 - X4F0175-01	24-Jun-24	
EPA 200.7	Magnesium	mg/L	240	215	20.0	128	70 - 130	X425056 - X4F0285-01	24-Jun-24	
EPA 200.7	Potassium	mg/L	21.9	0.78	20.0	105	70 - 130	X425056 - X4F0175-01	24-Jun-24	
EPA 200.7	Potassium	mg/L	55.5	32.4	20.0	115	70 - 130	X425056 - X4F0285-01	24-Jun-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.938	<0.080	1.00	93.8	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Aluminum	mg/L	1.08	<0.080	1.00	108	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Barium	mg/L	0.935	<0.0020	1.00	93.5	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Barium	mg/L	1.15	0.0550	1.00	109	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Beryllium	mg/L	0.970	<0.00200	1.00	97.0	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Beryllium	mg/L	1.06	<0.00200	1.00	106	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Boron	mg/L	0.977	<0.0400	1.00	96.4	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Boron	mg/L	1.12	<0.0400	1.00	111	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Cadmium	mg/L	0.938	<0.0020	1.00	93.8	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Calcium	mg/L	68.9	50.8	20.0	90.7	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Calcium	mg/L	113	92.9	20.0	98.1	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Chromium	mg/L	0.971	0.0079	1.00	96.3	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Chromium	mg/L	1.08	<0.0060	1.00	108	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Cobalt	mg/L	0.915	<0.0060	1.00	91.5	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Cobalt	mg/L	1.01	<0.0060	1.00	101	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Copper	mg/L	0.962	<0.0100	1.00	95.2	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Copper	mg/L	1.07	<0.0100	1.00	107	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Iron	mg/L	9.54	<0.100	10.0	95.4	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Iron	mg/L	10.5	<0.100	10.0	105	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Lead	mg/L	0.918	<0.0075	1.00	91.8	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Lithium	mg/L	0.910	<0.040	1.00	91.0	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	104	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Magnesium	mg/L	25.2	6.66	20.0	92.8	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Magnesium	mg/L	75.4	54.9	20.0	102	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Manganese	mg/L	0.956	0.0245	1.00	93.1	70 - 130	X425063 - X4F0175-01	19-Jun-24	

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Newmont - Cripple Creek & Victor
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0224**
Reported: 28-Jun-24 14:40

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.06	0.0191	1.00	104	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.962	<0.0080	1.00	96.2	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Molybdenum	mg/L	1.09	<0.0080	1.00	109	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Nickel	mg/L	0.927	0.0100	1.00	91.7	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Nickel	mg/L	1.02	<0.0100	1.00	102	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Potassium	mg/L	19.7	0.73	20.0	95.0	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Potassium	mg/L	22.0	1.12	20.0	104	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Silver	mg/L	0.0476	<0.0050	0.0500	95.2	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Silver	mg/L	0.0542	<0.0050	0.0500	108	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Sodium	mg/L	42.8	25.0	19.0	93.5	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Sodium	mg/L	23.1	2.74	19.0	107	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Vanadium	mg/L	0.961	<0.0050	1.00	96.1	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Vanadium	mg/L	1.09	<0.0050	1.00	109	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Zinc	mg/L	0.954	<0.0100	1.00	95.4	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Zinc	mg/L	1.07	<0.0100	1.00	107	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.8	Antimony	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Antimony	mg/L	0.0244	<0.00100	0.0250	97.7	70 - 130	X425041 - X4F0269-02	25-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0260	<0.00100	0.0250	100	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0243	<0.00100	0.0250	95.3	70 - 130	X425041 - X4F0269-02	25-Jun-24	
EPA 200.8	Selenium	mg/L	0.0241	<0.00100	0.0250	96.5	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Selenium	mg/L	0.0228	<0.00100	0.0250	89.6	70 - 130	X425041 - X4F0269-02	25-Jun-24	
EPA 200.8	Thallium	mg/L	0.0230	<0.000200	0.0250	92.1	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Thallium	mg/L	0.0243	<0.000200	0.0250	97.0	70 - 130	X425041 - X4F0269-02	25-Jun-24	
EPA 200.8	Uranium	mg/L	0.0302	0.00555	0.0250	98.7	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Uranium	mg/L	0.0246	0.000198	0.0250	97.8	70 - 130	X425041 - X4F0269-02	25-Jun-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00205	<0.000200	0.00200	103	70 - 130	X425106 - X4F0251-02	25-Jun-24	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X425106 - X4F0228-01	25-Jun-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0970	<0.0050	0.100	97.0	79 - 121	X425237 - X4F0196-01	21-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0973	<0.0050	0.100	97.3	90 - 110	X425169 - X4F0224-01	21-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X425169 - X4F0224-02	21-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	105	90 - 110	X425017 - X4F0224-01	18-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	105	90 - 110	X425017 - X4F0224-02	18-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	<0.0050	0.100	100	82 - 118	X426131 - X4F0175-01	26-Jun-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.79	0.80	3.00	99.4	90 - 110	X424176 - X4F0200-01	13-Jun-24	
EPA 300.0	Chloride	mg/L	3.54	0.54	3.00	99.9	90 - 110	X424176 - X4F0235-01	13-Jun-24	
EPA 300.0	Fluoride	mg/L	2.28	0.329	2.00	97.8	90 - 110	X424176 - X4F0200-01	13-Jun-24	
EPA 300.0	Fluoride	mg/L	1.95	<0.100	2.00	97.4	90 - 110	X424176 - X4F0235-01	13-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.03	0.051	2.00	99.0	90 - 110	X424176 - X4F0200-01	13-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.12	0.136	2.00	99.3	90 - 110	X424176 - X4F0235-01	13-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.11	<0.100	4.00	101	90 - 110	X424176 - X4F0200-01	13-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.20	0.136	4.00	102	90 - 110	X424176 - X4F0235-01	13-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X424176 - X4F0200-01	13-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X424176 - X4F0235-01	13-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	16.3	6.09	10.0	102	90 - 110	X424176 - X4F0200-01	13-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	11.6	1.51	10.0	101	90 - 110	X424176 - X4F0235-01	13-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0224**
Reported: 28-Jun-24 14:40

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	70.3	72.2	20.0	3.0	20	101	X425056 - X4F0175-01	
EPA 200.7	Magnesium	mg/L	26.7	27.5	20.0	2.9	20	101	X425056 - X4F0175-01	
EPA 200.7	Potassium	mg/L	21.2	21.9	20.0	3.0	20	102	X425056 - X4F0175-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.952	0.938	1.00	1.5	20	95.2	X425063 - X4F0175-01	
EPA 200.7	Barium	mg/L	0.976	0.935	1.00	4.4	20	97.6	X425063 - X4F0175-01	
EPA 200.7	Beryllium	mg/L	0.977	0.970	1.00	0.7	20	97.7	X425063 - X4F0175-01	
EPA 200.7	Boron	mg/L	0.990	0.977	1.00	1.3	20	97.7	X425063 - X4F0175-01	
EPA 200.7	Cadmium	mg/L	0.937	0.938	1.00	0.1	20	93.7	X425063 - X4F0175-01	
EPA 200.7	Calcium	mg/L	69.4	68.9	20.0	0.8	20	93.5	X425063 - X4F0175-01	
EPA 200.7	Chromium	mg/L	0.974	0.971	1.00	0.3	20	96.6	X425063 - X4F0175-01	
EPA 200.7	Cobalt	mg/L	0.914	0.915	1.00	0.1	20	91.4	X425063 - X4F0175-01	
EPA 200.7	Copper	mg/L	0.978	0.962	1.00	1.7	20	96.9	X425063 - X4F0175-01	
EPA 200.7	Iron	mg/L	9.76	9.54	10.0	2.2	20	97.6	X425063 - X4F0175-01	
EPA 200.7	Lead	mg/L	0.922	0.918	1.00	0.4	20	92.2	X425063 - X4F0175-01	
EPA 200.7	Lithium	mg/L	0.933	0.910	1.00	2.4	20	93.3	X425063 - X4F0175-01	
EPA 200.7	Magnesium	mg/L	25.8	25.2	20.0	2.4	20	95.9	X425063 - X4F0175-01	
EPA 200.7	Manganese	mg/L	0.973	0.956	1.00	1.8	20	94.8	X425063 - X4F0175-01	
EPA 200.7	Molybdenum	mg/L	0.957	0.962	1.00	0.5	20	95.7	X425063 - X4F0175-01	
EPA 200.7	Nickel	mg/L	0.925	0.927	1.00	0.2	20	91.5	X425063 - X4F0175-01	
EPA 200.7	Potassium	mg/L	20.2	19.7	20.0	2.5	20	97.5	X425063 - X4F0175-01	
EPA 200.7	Silver	mg/L	0.0455	0.0476	0.0500	4.6	20	90.9	X425063 - X4F0175-01	
EPA 200.7	Sodium	mg/L	43.3	42.8	19.0	1.2	20	96.1	X425063 - X4F0175-01	
EPA 200.7	Vanadium	mg/L	0.965	0.961	1.00	0.4	20	96.5	X425063 - X4F0175-01	
EPA 200.7	Zinc	mg/L	0.950	0.954	1.00	0.4	20	95.0	X425063 - X4F0175-01	
EPA 200.8	Antimony	mg/L	0.0263	0.0255	0.0250	3.3	20	105	X425041 - X4F0224-01	
EPA 200.8	Arsenic	mg/L	0.0256	0.0260	0.0250	1.6	20	98.7	X425041 - X4F0224-01	
EPA 200.8	Selenium	mg/L	0.0224	0.0241	0.0250	7.4	20	89.6	X425041 - X4F0224-01	
EPA 200.8	Thallium	mg/L	0.0232	0.0230	0.0250	0.5	20	92.6	X425041 - X4F0224-01	
EPA 200.8	Uranium	mg/L	0.0305	0.0302	0.0250	0.8	20	99.6	X425041 - X4F0224-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	0.00205	0.00200	1.5	20	104	X425106 - X4F0251-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0960	0.0970	0.100	1.0	11	96.0	X425237 - X4F0196-01	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.0973	0.100	2.7	20	100	X425169 - X4F0224-01	
EPA 350.1	Ammonia as N	mg/L	1.02	1.06	1.00	3.7	20	101	X425017 - X4F0224-01	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	0.100	2.0	11	102	X426131 - X4F0175-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.85	3.79	3.00	1.7	20	102	X424176 - X4F0200-01	
EPA 300.0	Fluoride	mg/L	2.32	2.28	2.00	1.6	20	99.6	X424176 - X4F0200-01	
EPA 300.0	Nitrate as N	mg/L	2.07	2.03	2.00	1.9	20	101	X424176 - X4F0200-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.19	4.11	4.00	2.0	20	103	X424176 - X4F0200-01	
EPA 300.0	Nitrite as N	mg/L	2.12	2.08	2.00	2.1	20	106	X424176 - X4F0200-01	
EPA 300.0	Sulfate as SO4	mg/L	16.5	16.3	10.0	1.3	20	105	X424176 - X4F0200-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0224**
Reported: 28-Jun-24 14:40

HOLDING TIME SUMMARY

ASTM D7237

Laboratory: **SVL Analytical, Inc.**
SDG: **X4F0224**
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
EMP-17C	06/12/24	06/13/24	06/21/24	9	14	06/21/24	9	14	
GVMW-15B	06/12/24	06/13/24	06/21/24	9	14	06/21/24	9	14	
GVMW-15A	06/12/24	06/13/24	06/21/24	9	14	06/21/24	9	14	
OSABH-17	06/12/24	06/13/24	06/21/24	9	14	06/21/24	9	14	

HOLDING TIME SUMMARY

EPA 245.1

Laboratory: **SVL Analytical, Inc.**
SDG: **X4F0224**
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
EMP-17C	06/12/24	06/13/24	06/25/24	13	28	06/25/24	13	28	
GVMW-15B	06/12/24	06/13/24	06/25/24	13	28	06/25/24	13	28	
GVMW-15A	06/12/24	06/13/24	06/25/24	13	28	06/25/24	13	28	
OSABH-17	06/12/24	06/13/24	06/25/24	13	28	06/25/24	13	28	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0224**
Reported: 28-Jun-24 14:40

HOLDING TIME SUMMARY

EPA 300.0

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0224**
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
EMP-17C	06/12/24 09:00	06/13/24	06/13/24 08:06	1.0	2.0	06/13/24 14:25	1.3	2.0	
EMP-17C	06/12/24	06/13/24	06/13/24	1	28	06/13/24	1	28	
EMP-17C	06/12/24	06/13/24	06/13/24	1	28	06/13/24	1	28	
GVMW-15B	06/12/24 11:30	06/13/24	06/13/24 08:06	0.9	2.0	06/13/24 14:57	1.2	2.0	
GVMW-15B	06/12/24	06/13/24	06/13/24	1	28	06/13/24	1	28	
GVMW-15B	06/12/24	06/13/24	06/13/24	1	28	06/13/24	1	28	
GVMW-15A	06/12/24 12:32	06/13/24	06/13/24 08:06	0.9	2.0	06/13/24 15:29	1.2	2.0	
GVMW-15A	06/12/24	06/13/24	06/13/24	1	28	06/13/24	1	28	
GVMW-15A	06/12/24	06/13/24	06/13/24	1	28	06/13/24	1	28	
OSABH-17	06/12/24 13:39	06/13/24	06/13/24 08:06	0.8	2.0	06/13/24 16:01	1.1	2.0	
OSABH-17	06/12/24	06/13/24	06/13/24	1	28	06/13/24	1	28	
OSABH-17	06/12/24	06/13/24	06/13/24	1	28	06/13/24	1	28	

HOLDING TIME SUMMARY

EPA 335.4

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0224**
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
EMP-17C	06/12/24	06/13/24	06/20/24	8	14	06/21/24	9	14	
GVMW-15B	06/12/24	06/13/24	06/20/24	8	14	06/21/24	9	14	
GVMW-15A	06/12/24	06/13/24	06/20/24	8	14	06/21/24	9	14	
OSABH-17	06/12/24	06/13/24	06/20/24	8	14	06/21/24	9	14	

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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: **X4F0224**
Reported: 28-Jun-24 14:40

HOLDING TIME SUMMARY

EPA 350.1

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0224**
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
EMP-17C	06/12/24	06/13/24	06/17/24	5	28	06/18/24	6	28	
GVMW-15B	06/12/24	06/13/24	06/17/24	5	28	06/18/24	6	28	
GVMW-15A	06/12/24	06/13/24	06/17/24	5	28	06/18/24	6	28	
OSABH-17	06/12/24	06/13/24	06/17/24	5	28	06/18/24	6	28	

HOLDING TIME SUMMARY

OIA 1677

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0224**
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
EMP-17C	06/12/24	06/13/24	06/25/24	13	14	06/26/24	14	14	
GVMW-15B	06/12/24	06/13/24	06/25/24	13	14	06/26/24	14	14	
GVMW-15A	06/12/24	06/13/24	06/25/24	13	14	06/26/24	14	14	
OSABH-17	06/12/24	06/13/24	06/25/24	13	14	06/26/24	14	14	

HOLDING TIME SUMMARY

SM 2310 B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0224**
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
EMP-17C	06/12/24	06/13/24	06/20/24	8	14	06/21/24	9	14	
GVMW-15B	06/12/24	06/13/24	06/20/24	8	14	06/21/24	9	14	
GVMW-15A	06/12/24	06/13/24	06/20/24	8	14	06/21/24	9	14	
OSABH-17	06/12/24	06/13/24	06/20/24	8	14	06/21/24	9	14	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0224**
Victor, CO 80860	Reported: 28-Jun-24 14:40

HOLDING TIME SUMMARY

SM 2320 B

Laboratory: **SVL Analytical, Inc.** SDG: **X4F0224**
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
EMP-17C	06/12/24	06/13/24	06/18/24	6	14	06/18/24	6	14	
GVMW-15B	06/12/24	06/13/24	06/18/24	6	14	06/18/24	6	14	
GVMW-15A	06/12/24	06/13/24	06/18/24	6	14	06/18/24	6	14	
OSABH-17	06/12/24	06/13/24	06/18/24	6	14	06/18/24	6	14	

HOLDING TIME SUMMARY

SM 2540 C

Laboratory: **SVL Analytical, Inc.** SDG: **X4F0224**
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
EMP-17C		06/13/24		2	7		3.0		
GVMW-15B		06/13/24		2	7		3.0		
GVMW-15A		06/13/24		2	7		3.0		
OSABH-17		06/13/24		2	7		3.0		

HOLDING TIME SUMMARY

SM 2540 D

Laboratory: **SVL Analytical, Inc.** SDG: **X4F0224**
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
EMP-17C		06/13/24		2	7		3.0		
GVMW-15B		06/13/24		2	7		3.0		
GVMW-15A		06/13/24		2	7		3.0		
OSABH-17		06/13/24		2	7		3.0		

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0224**
Reported: 28-Jun-24 14:40

HOLDING TIME SUMMARY

SM 4500 H B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0224**
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
EMP-17C	06/12/24 09:00	06/13/24	06/18/24 08:51	6.0	0.0	06/18/24 16:37	6.4	0.0	H5
GVMW-15B	06/12/24 11:30	06/13/24	06/18/24 08:51	5.9	0.0	06/18/24 16:42	6.3	0.0	H5
GVMW-15A	06/12/24 12:32	06/13/24	06/18/24 08:51	5.9	0.0	06/18/24 16:48	6.2	0.0	H5
OSABH-17	06/12/24 13:39	06/13/24	06/18/24 08:51	5.8	0.0	06/18/24 16:52	6.2	0.0	H5

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
E11	Sample exceeds method-specified limit for solids content.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
Q12	Sample was received and analyzed with pH <12.
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: **X4F0305**
Reported: 02-Jul-24 13:23

Client Sample ID: **GVMW-10**
SVL Sample ID: **X4F0305-02 (Ground Water)**

Sampled: 17-Jun-24 14:02
Received: 18-Jun-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**	416	mg/L	0.100	0.069		X426147	NMS	06/27/24 10:04	
EPA 200.7	**Magnesium**	176	mg/L	0.500	0.090		X426147	NMS	06/27/24 10:04	
EPA 200.7	**Potassium**	2.68	mg/L	0.50	0.18		X426147	NMS	06/27/24 10:04	
SM 2340 B	**Hardness (as CaCO3)**	1760	mg/L	2.31	0.543		N/A		06/25/24 12:31	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Barium**	0.0161	mg/L	0.0020	0.0019		X426051	NMS	06/25/24 12:31	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X426051	NMS	06/25/24 12:31	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X426051	NMS	06/25/24 12:31	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Calcium**	404	mg/L	0.100	0.069		X426051	NMS	06/25/24 12:31	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Cobalt**	0.0069	mg/L	0.0060	0.0046		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Copper**	0.0146	mg/L	0.0100	0.0027		X426051	NMS	06/25/24 12:31	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Lead**	0.0152	mg/L	0.0075	0.0049		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Lithium**	0.042	mg/L	0.040	0.025		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Magnesium**	156	mg/L	0.500	0.090		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Manganese**	2.93	mg/L	0.0080	0.0034		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Molybdenum**	0.0311	mg/L	0.0080	0.0034		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Nickel**	0.0161	mg/L	0.0100	0.0048		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Potassium**	2.34	mg/L	1.00	0.36	2	X426051	NMS	06/25/24 15:56	D1
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Sodium**	40.2	mg/L	0.50	0.12		X426051	NMS	06/25/24 12:31	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X426051	NMS	06/25/24 12:31	
EPA 200.7	**Zinc**	0.300	mg/L	0.0100	0.0054		X426051	NMS	06/25/24 12:31	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X426136	JRR	07/01/24 12:47	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X426136	JRR	07/01/24 12:47	
EPA 200.8	**Selenium**	0.00160	mg/L	0.00100	0.00024		X426136	JRR	07/01/24 12:47	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X426136	JRR	07/01/24 12:47	
EPA 200.8	**Uranium**	0.0233	mg/L	0.000100	0.000052		X426136	JRR	07/01/24 12:47	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 15:31	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X425237	DD	06/21/24 13:40	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X425169	DD	06/21/24 10:30	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X426092	DD	06/26/24 11:07	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 16:06	
SM 2310 B	**Acidity to pH 8.3**	-269	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	**Total Alkalinity**	272	mg/L as CaCO3	1.0			X425121	MWD	06/19/24 15:12	
SM 2320 B	**Bicarbonate**	272	mg/L as CaCO3	1.0			X425121	MWD	06/19/24 15:12	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425121	MWD	06/19/24 15:12	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425121	MWD	06/19/24 15:12	
SM 2540 C	**Total Diss. Solids**	3210	mg/L	40			X425112	TJL	06/20/24 14:05	D2
SM 2540 D	**Total Susp. Solids**	7.0	mg/L	5.0			X425113	TJL	06/20/24 13:30	
SM 4500 H B	**pH @21.6°C**	7.1	pH Units				X425121	MWD	06/19/24 15:12	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: **X4F0305**
Reported: 02-Jul-24 13:23

Client Sample ID: **GVMW-10**
SVL Sample ID: **X4F0305-02 (Ground Water)**

Sampled: 17-Jun-24 14:02
Received: 18-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.92	mg/L	0.20	0.02		X425095	RS	06/18/24 14:30	
EPA 300.0	**Fluoride**	0.345	mg/L	0.100	0.017		X425095	RS	06/18/24 14:30	
EPA 300.0	**Nitrate as N**	0.106	mg/L	0.050	0.013		X425095	RS	06/18/24 14:30	
EPA 300.0	**Nitrate+Nitrite as N**	0.106	mg/L	0.100	0.044		X425095	RS	06/18/24 14:30	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X425095	RS	06/18/24 14:30	
EPA 300.0	**Sulfate as SO4**	1500	mg/L	15.0	9.00	50	X425095	RS	06/18/24 14:46	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 34.9 meq/L Anion Sum: 36.8 meq/L C/A Balance: -2.63 % Calculated TDS: 2288 TDS/cTDS: 1.40

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: **X4F0305**
Reported: 02-Jul-24 13:23

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X426147	27-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X426147	27-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X426147	27-Jun-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X426051	25-Jun-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X426051	25-Jun-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X426051	25-Jun-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X426051	25-Jun-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X426051	25-Jun-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X426051	25-Jun-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X426051	25-Jun-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X426051	25-Jun-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X426051	25-Jun-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X426051	25-Jun-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X426051	25-Jun-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X426051	25-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X426051	25-Jun-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X426051	25-Jun-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X426051	25-Jun-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X426051	25-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X426051	25-Jun-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X426051	25-Jun-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X426051	25-Jun-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X426051	25-Jun-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X426051	25-Jun-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X426136	01-Jul-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X426136	01-Jul-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X426136	01-Jul-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X426136	01-Jul-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X426136	01-Jul-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X425106	25-Jun-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X425237	21-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X425169	21-Jun-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X426092	26-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X426131	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X425195	21-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X425121	19-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X425121	19-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X425121	19-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X425121	19-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X425112	20-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X425113	20-Jun-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X425095	18-Jun-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X425095	18-Jun-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X425095	18-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X425095	18-Jun-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X425095	18-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X425095	18-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0305**
Reported: 02-Jul-24 13:23

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.8	20.0	99	85 - 115	X426147	27-Jun-24	
EPA 200.7	Magnesium	mg/L	20.5	20.0	102	85 - 115	X426147	27-Jun-24	
EPA 200.7	Potassium	mg/L	20.0	20.0	99.8	85 - 115	X426147	27-Jun-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.911	1.00	91.1	85 - 115	X426051	25-Jun-24	
EPA 200.7	Barium	mg/L	0.974	1.00	97.4	85 - 115	X426051	25-Jun-24	
EPA 200.7	Beryllium	mg/L	0.992	1.00	99.2	85 - 115	X426051	25-Jun-24	
EPA 200.7	Boron	mg/L	0.960	1.00	96.0	85 - 115	X426051	25-Jun-24	
EPA 200.7	Cadmium	mg/L	0.945	1.00	94.5	85 - 115	X426051	25-Jun-24	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.3	85 - 115	X426051	25-Jun-24	
EPA 200.7	Chromium	mg/L	0.961	1.00	96.1	85 - 115	X426051	25-Jun-24	
EPA 200.7	Cobalt	mg/L	0.925	1.00	92.5	85 - 115	X426051	25-Jun-24	
EPA 200.7	Copper	mg/L	0.950	1.00	95.0	85 - 115	X426051	25-Jun-24	
EPA 200.7	Iron	mg/L	9.82	10.0	98.2	85 - 115	X426051	25-Jun-24	
EPA 200.7	Lead	mg/L	0.928	1.00	92.8	85 - 115	X426051	25-Jun-24	
EPA 200.7	Lithium	mg/L	0.918	1.00	91.8	85 - 115	X426051	25-Jun-24	
EPA 200.7	Magnesium	mg/L	19.3	20.0	96.7	85 - 115	X426051	25-Jun-24	
EPA 200.7	Manganese	mg/L	0.942	1.00	94.2	85 - 115	X426051	25-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.950	1.00	95.0	85 - 115	X426051	25-Jun-24	
EPA 200.7	Nickel	mg/L	0.930	1.00	93.0	85 - 115	X426051	25-Jun-24	
EPA 200.7	Potassium	mg/L	20.7	20.0	103	85 - 115	X426051	25-Jun-24	
EPA 200.7	Silver	mg/L	0.0481	0.0500	96.1	85 - 115	X426051	25-Jun-24	
EPA 200.7	Sodium	mg/L	18.8	19.0	99.2	85 - 115	X426051	25-Jun-24	
EPA 200.7	Vanadium	mg/L	0.973	1.00	97.3	85 - 115	X426051	25-Jun-24	
EPA 200.7	Zinc	mg/L	0.957	1.00	95.7	85 - 115	X426051	25-Jun-24	
EPA 200.8	Antimony	mg/L	0.0248	0.0250	99.2	85 - 115	X426136	01-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0251	0.0250	101	85 - 115	X426136	01-Jul-24	
EPA 200.8	Selenium	mg/L	0.0259	0.0250	103	85 - 115	X426136	01-Jul-24	
EPA 200.8	Thallium	mg/L	0.0256	0.0250	102	85 - 115	X426136	01-Jul-24	
EPA 200.8	Uranium	mg/L	0.0252	0.0250	101	85 - 115	X426136	01-Jul-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00220	0.00200	110	85 - 115	X425106	25-Jun-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0940	0.100	94.0	90 - 110	X425237	21-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0984	0.100	98.4	90 - 110	X425169	21-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X426092	26-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.108	0.100	108	90 - 110	X426131	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	860	884	97.2	95.4 - 104	X425195	21-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	102	96.4 - 105	X425121	19-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X425113	20-Jun-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	98.9	90 - 110	X425095	18-Jun-24	
EPA 300.0	Fluoride	mg/L	1.96	2.00	98.0	90 - 110	X425095	18-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.01	2.00	100	90 - 110	X425095	18-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.56	4.50	101	90 - 110	X425095	18-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.56	2.50	102	90 - 110	X425095	18-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X425095	18-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0305**
Reported: 02-Jul-24 13:23

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X425195 - X4F0175-01	21-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	117	117	0.1	20	X425121 - X4F0272-02	19-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	116	116	0.2	20	X425121 - X4F0272-02	19-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	1.60	1.50	6.5	20	X425121 - X4F0272-02	19-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X425121 - X4F0272-02	19-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	1000	971	3.2	10	X425112 - X4F0305-01	20-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	267	272	1.9	10	X425112 - X4F0314-01	20-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X425113 - X4F0314-01	20-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	7.0	7.0	0.0	10	X425113 - X4F0305-01	20-Jun-24	
SM 4500 H B	pH @20.9°C	pH Units	8.3	8.3	0.1	20	X425121 - X4F0272-02	19-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 Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	225	213	20.0	0.30R>S	70 - 130	X426147 - X4F0305-01	27-Jun-24	M3
EPA 200.7	Calcium	mg/L	136	115	20.0	104	70 - 130	X426147 - X4F0372-02	27-Jun-24	
EPA 200.7	Magnesium	mg/L	77.1	56.5	20.0	103	70 - 130	X426147 - X4F0305-01	27-Jun-24	
EPA 200.7	Magnesium	mg/L	32.0	11.3	20.0	104	70 - 130	X426147 - X4F0372-02	27-Jun-24	
EPA 200.7	Potassium	mg/L	22.2	1.66	20.0	103	70 - 130	X426147 - X4F0305-01	27-Jun-24	
EPA 200.7	Potassium	mg/L	33.7	12.9	20.0	104	70 - 130	X426147 - X4F0372-02	27-Jun-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.911	<0.080	1.00	91.1	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Aluminum	mg/L	0.858	<0.080	1.00	85.8	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Barium	mg/L	0.959	0.0071	1.00	95.2	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Barium	mg/L	0.964	0.0161	1.00	94.7	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Beryllium	mg/L	0.994	<0.00200	1.00	99.4	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Beryllium	mg/L	0.994	<0.00200	1.00	99.4	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Boron	mg/L	1.00	<0.0400	1.00	98.6	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Boron	mg/L	1.01	<0.0400	1.00	99.1	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Cadmium	mg/L	0.934	<0.0020	1.00	93.4	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Cadmium	mg/L	0.942	<0.0020	1.00	94.2	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Calcium	mg/L	221	199	20.0	107	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Calcium	mg/L	422	404	20.0	89.8	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Chromium	mg/L	0.967	<0.0060	1.00	96.7	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Chromium	mg/L	0.978	<0.0060	1.00	97.6	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Cobalt	mg/L	0.926	0.0125	1.00	91.3	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Cobalt	mg/L	0.939	0.0069	1.00	93.2	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Copper	mg/L	0.991	<0.0100	1.00	99.1	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Copper	mg/L	1.04	0.0146	1.00	102	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Iron	mg/L	9.59	<0.100	10.0	95.9	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Iron	mg/L	9.58	<0.100	10.0	95.8	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Lead	mg/L	0.920	<0.0075	1.00	92.0	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Lead	mg/L	0.947	0.0152	1.00	93.2	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Lithium	mg/L	0.925	<0.040	1.00	92.5	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Lithium	mg/L	0.974	0.042	1.00	93.3	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Magnesium	mg/L	68.5	51.1	20.0	87.2	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Magnesium	mg/L	173	156	20.0	83.7	70 - 130	X426051 - X4F0305-02	25-Jun-24	

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: **X4F0305**
Reported: 02-Jul-24 13:23

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.04	0.0904	1.00	95.1	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Manganese	mg/L	3.88	2.93	1.00	95.0	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.976	<0.0080	1.00	97.2	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Molybdenum	mg/L	1.03	0.0311	1.00	99.6	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Nickel	mg/L	0.922	<0.0100	1.00	92.2	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Nickel	mg/L	0.958	0.0161	1.00	94.2	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Potassium	mg/L	22.4	1.52	20.0	105	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Potassium	mg/L	23.5	2.34	20.0	106	70 - 130	X426051 - X4F0305-02	25-Jun-24	D1
EPA 200.7	Silver	mg/L	0.0477	<0.0050	0.0500	95.3	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Silver	mg/L	0.0481	<0.0050	0.0500	96.2	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Sodium	mg/L	40.9	22.7	19.0	96.0	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Sodium	mg/L	58.2	40.2	19.0	94.6	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Vanadium	mg/L	0.993	<0.0050	1.00	99.3	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Vanadium	mg/L	1.01	<0.0050	1.00	101	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.7	Zinc	mg/L	1.23	0.275	1.00	95.7	70 - 130	X426051 - X4F0305-01	25-Jun-24	
EPA 200.7	Zinc	mg/L	1.29	0.300	1.00	98.6	70 - 130	X426051 - X4F0305-02	25-Jun-24	
EPA 200.8	Antimony	mg/L	0.0247	<0.00100	0.0250	98.7	70 - 130	X426136 - X4F0365-01	01-Jul-24	
EPA 200.8	Antimony	mg/L	0.0266	0.00139	0.0250	101	70 - 130	X426136 - X4F0372-01	01-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0278	0.00112	0.0250	107	70 - 130	X426136 - X4F0365-01	01-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0269	<0.00100	0.0250	106	70 - 130	X426136 - X4F0372-01	01-Jul-24	
EPA 200.8	Selenium	mg/L	0.0269	0.00101	0.0250	104	70 - 130	X426136 - X4F0365-01	01-Jul-24	
EPA 200.8	Selenium	mg/L	0.0261	<0.00100	0.0250	103	70 - 130	X426136 - X4F0372-01	01-Jul-24	
EPA 200.8	Thallium	mg/L	0.0250	<0.000200	0.0250	100	70 - 130	X426136 - X4F0365-01	01-Jul-24	
EPA 200.8	Thallium	mg/L	0.0257	<0.000200	0.0250	103	70 - 130	X426136 - X4F0372-01	01-Jul-24	
EPA 200.8	Uranium	mg/L	0.0273	0.00210	0.0250	101	70 - 130	X426136 - X4F0365-01	01-Jul-24	
EPA 200.8	Uranium	mg/L	0.0259	0.000324	0.0250	102	70 - 130	X426136 - X4F0372-01	01-Jul-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00205	<0.000200	0.00200	103	70 - 130	X425106 - X4F0251-02	25-Jun-24	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X425106 - X4F0228-01	25-Jun-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0970	<0.0050	0.100	97.0	79 - 121	X425237 - X4F0196-01	21-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0973	<0.0050	0.100	97.3	90 - 110	X425169 - X4F0224-01	21-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X425169 - X4F0224-02	21-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	105	90 - 110	X426092 - X4F0305-02	26-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X426092 - X4F0305-01	26-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	<0.0050	0.100	100	82 - 118	X426131 - X4F0175-01	26-Jun-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	10.6	7.41	3.00	107	90 - 110	X425095 - X4F0305-01	18-Jun-24	
EPA 300.0	Chloride	mg/L	2.97	<0.20	3.00	97.9	90 - 110	X425095 - X4F0311-04	18-Jun-24	
EPA 300.0	Fluoride	mg/L	1.89	0.231	2.00	82.7	90 - 110	X425095 - X4F0305-01	18-Jun-24	M2
EPA 300.0	Fluoride	mg/L	1.95	<0.100	2.00	97.3	90 - 110	X425095 - X4F0311-04	18-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.00	<0.050	2.00	99.9	90 - 110	X425095 - X4F0305-01	18-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.01	<0.050	2.00	98.7	90 - 110	X425095 - X4F0311-04	18-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.09	<0.100	4.00	102	90 - 110	X425095 - X4F0305-01	18-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.08	<0.100	4.00	102	90 - 110	X425095 - X4F0311-04	18-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.09	<0.050	2.00	104	90 - 110	X425095 - X4F0305-01	18-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.07	<0.050	2.00	104	90 - 110	X425095 - X4F0311-04	18-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	673	675	10.0	0.30R>S	90 - 110	X425095 - X4F0305-01	18-Jun-24	D2,M4

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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: **X4F0305**
Reported: 02-Jul-24 13:23

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	10.3	<0.30	10.0	101	90 - 110	X425095 - X4F0311-04	18-Jun-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	227	225	20.0	0.6	20	0.30R>S	X426147 - X4F0305-01	M3
EPA 200.7	Magnesium	mg/L	75.4	77.1	20.0	2.3	20	94.3	X426147 - X4F0305-01	
EPA 200.7	Potassium	mg/L	22.3	22.2	20.0	0.6	20	103	X426147 - X4F0305-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.898	0.911	1.00	1.5	20	89.8	X426051 - X4F0305-01	
EPA 200.7	Barium	mg/L	0.948	0.959	1.00	1.2	20	94.1	X426051 - X4F0305-01	
EPA 200.7	Beryllium	mg/L	0.949	0.994	1.00	4.6	20	94.9	X426051 - X4F0305-01	
EPA 200.7	Boron	mg/L	0.994	1.00	1.00	0.7	20	97.9	X426051 - X4F0305-01	
EPA 200.7	Cadmium	mg/L	0.916	0.934	1.00	2.0	20	91.6	X426051 - X4F0305-01	
EPA 200.7	Calcium	mg/L	219	221	20.0	0.7	20	98.5	X426051 - X4F0305-01	
EPA 200.7	Chromium	mg/L	0.941	0.967	1.00	2.8	20	94.1	X426051 - X4F0305-01	
EPA 200.7	Cobalt	mg/L	0.908	0.926	1.00	2.0	20	89.5	X426051 - X4F0305-01	
EPA 200.7	Copper	mg/L	0.944	0.991	1.00	4.8	20	94.4	X426051 - X4F0305-01	
EPA 200.7	Iron	mg/L	9.42	9.59	10.0	1.8	20	94.2	X426051 - X4F0305-01	
EPA 200.7	Lead	mg/L	0.904	0.920	1.00	1.7	20	90.4	X426051 - X4F0305-01	
EPA 200.7	Lithium	mg/L	0.906	0.925	1.00	2.0	20	90.6	X426051 - X4F0305-01	
EPA 200.7	Magnesium	mg/L	68.9	68.5	20.0	0.5	20	89.0	X426051 - X4F0305-01	
EPA 200.7	Manganese	mg/L	1.00	1.04	1.00	3.9	20	91.0	X426051 - X4F0305-01	
EPA 200.7	Molybdenum	mg/L	0.956	0.976	1.00	2.1	20	95.2	X426051 - X4F0305-01	
EPA 200.7	Nickel	mg/L	0.908	0.922	1.00	1.6	20	90.8	X426051 - X4F0305-01	
EPA 200.7	Potassium	mg/L	22.4	22.4	20.0	0.2	20	104	X426051 - X4F0305-01	
EPA 200.7	Silver	mg/L	0.0478	0.0477	0.0500	0.4	20	95.6	X426051 - X4F0305-01	
EPA 200.7	Sodium	mg/L	40.5	40.9	19.0	1.1	20	93.7	X426051 - X4F0305-01	
EPA 200.7	Vanadium	mg/L	0.966	0.993	1.00	2.8	20	96.6	X426051 - X4F0305-01	
EPA 200.7	Zinc	mg/L	1.22	1.23	1.00	1.2	20	94.3	X426051 - X4F0305-01	
EPA 200.8	Antimony	mg/L	0.0254	0.0247	0.0250	2.7	20	101	X426136 - X4F0365-01	
EPA 200.8	Arsenic	mg/L	0.0264	0.0278	0.0250	5.1	20	101	X426136 - X4F0365-01	
EPA 200.8	Selenium	mg/L	0.0265	0.0269	0.0250	1.5	20	102	X426136 - X4F0365-01	
EPA 200.8	Thallium	mg/L	0.0250	0.0250	0.0250	0.0	20	100	X426136 - X4F0365-01	
EPA 200.8	Uranium	mg/L	0.0271	0.0273	0.0250	0.5	20	100	X426136 - X4F0365-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	0.00205	0.00200	1.5	20	104	X425106 - X4F0251-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0960	0.0970	0.100	1.0	11	96.0	X425237 - X4F0196-01	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.0973	0.100	2.7	20	100	X425169 - X4F0224-01	
EPA 350.1	Ammonia as N	mg/L	1.05	1.05	1.00	0.4	20	105	X426092 - X4F0305-02	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	0.100	2.0	11	102	X426131 - X4F0175-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	10.7	10.6	3.00	0.4	20	108	X425095 - X4F0305-01	
EPA 300.0	Fluoride	mg/L	1.85	1.89	2.00	1.8	20	81.1	X425095 - X4F0305-01	M2
EPA 300.0	Nitrate as N	mg/L	2.04	2.00	2.00	2.0	20	102	X425095 - X4F0305-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.16	4.09	4.00	1.7	20	104	X425095 - X4F0305-01	
EPA 300.0	Nitrite as N	mg/L	2.12	2.09	2.00	1.4	20	106	X425095 - X4F0305-01	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0305**
Reported: 02-Jul-24 13:23

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	673	673	10.0	0.1	20	0.30R>S	X425095 - X4F0305-01	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: **X4F0305**
Victor, CO 80860	Reported: 02-Jul-24 13:23

Notes and Definitions

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

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0415**
Victor, CO 80860	Reported: 10-Jul-24 13:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
Seep-1	X4F0415-01	Ground Water	20-Jun-24 12:55	KR	24-Jun-2024	Q5C, Q6
Seep-2	X4F0415-02	Ground Water	20-Jun-24 13:15	KR	24-Jun-2024	Q5C, Q6
EMP-17A	X4F0415-05	Ground Water	20-Jun-24 12:05	KR	24-Jun-2024	Q6

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: X4F0415

The state of origin only accredits for drinking water analyses.

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Newmont - Cripple Creek & Victor
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0415**
Reported: 10-Jul-24 13:07

Client Sample ID: **Seep-1**
SVL Sample ID: **X4F0415-01 (Ground Water)**

Sampled: 20-Jun-24 12:55
Received: 24-Jun-24
Sampled By: KR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	455	mg/L	1.00	0.690	10	X426261	SJN	07/02/24 12:48	D2
EPA 200.7	**Magnesium**	1230	mg/L	5.00	0.900	10	X426261	SJN	07/02/24 12:48	D2
EPA 200.7	Potassium	< 5.00	mg/L	5.00	1.80	10	X426261	SJN	07/02/24 12:48	D1
SM 2340 B	**Hardness (as CaCO3)**	6040	mg/L	25.6	7.15		N/A		07/03/24 13:01	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	3300	mg/L	1.60	1.08	20	X427086	NMS	07/03/24 13:01	D2
EPA 200.7	Barium	< 0.0400	mg/L	0.0400	0.0380	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Beryllium**	0.526	mg/L	0.0400	0.0160	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	Boron	< 0.800	mg/L	0.800	0.156	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Cadmium**	10.0	mg/L	0.0400	0.0320	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Calcium**	385	mg/L	2.00	1.38	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Chromium**	0.825	mg/L	0.120	0.0400	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Cobalt**	10.1	mg/L	0.120	0.0920	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Copper**	16.4	mg/L	0.200	0.0540	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Iron**	1240	mg/L	2.00	1.12	20	X427086	NMS	07/03/24 13:01	D2
EPA 200.7	Lead	< 0.150	mg/L	0.150	0.0980	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Lithium**	0.874	mg/L	0.800	0.500	20	X427086	SJN	07/03/24 15:05	D1
EPA 200.7	**Magnesium**	981	mg/L	10.0	1.80	20	X427086	NMS	07/03/24 13:01	D2
EPA 200.7	**Manganese**	1060	mg/L	0.160	0.0680	20	X427086	NMS	07/03/24 13:01	D2
EPA 200.7	Molybdenum	< 0.160	mg/L	0.160	0.0680	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Nickel**	8.93	mg/L	0.200	0.0960	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	Silver	< 0.100	mg/L	0.100	0.0380	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Sodium**	36.2	mg/L	10.0	2.40	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	Vanadium	< 0.100	mg/L	0.100	0.0380	20	X427086	NMS	07/03/24 13:01	D1
EPA 200.7	**Zinc**	163	mg/L	0.200	0.108	20	X427086	NMS	07/03/24 13:01	D2
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X426139	SMU	07/09/24 07:32	D1
EPA 200.8	**Arsenic**	0.359	mg/L	0.100	0.0210	100	X426139	SMU	07/09/24 07:32	D1
EPA 200.8	**Selenium**	0.156	mg/L	0.100	0.0240	100	X426139	SMU	07/09/24 07:32	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X426139	SMU	07/09/24 07:32	D1
EPA 200.8	**Uranium**	11.9	mg/L	0.0100	0.00520	100	X426139	SMU	07/09/24 07:32	D2
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X426110	MAC	07/08/24 15:18	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X426215	DD	06/27/24 17:53	D1,Q12
EPA 335.4	Cyanide (total)	< 0.0100	mg/L	0.0100	0.0076	2	X427001	DD	07/02/24 16:06	D1,Q12,Q20
EPA 350.1	**Ammonia as N**	0.191	mg/L	0.060	0.025	2	X426211	DD	06/28/24 10:27	D1
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X426131	DD	06/26/24 16:07	D1,Q12
SM 2310 B	**Acidity to pH 8.3**	23500	mg/L as CaCO3	10.0			X426220	MWD	07/01/24 08:51	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:18	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:18	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:18	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:18	
SM 2540 C	**Total Diss. Solids**	40800	mg/L	100			X426115	TJL	06/27/24 14:25	D2,E11
SM 2540 D	**Total Susp. Solids**	114	mg/L	5.0			X426116	TJL	06/27/24 14:20	
SM 4500 H B	**pH @23.3°C**	2.5	pH Units				X426009	MWD	06/25/24 18:18	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0415**
Reported: 10-Jul-24 13:07

Client Sample ID: **Seep-1**
SVL Sample ID: **X4F0415-01 (Ground Water)**

Sampled: 20-Jun-24 12:55
Received: 24-Jun-24
Sampled By: KR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 10.0	mg/L	10.0	1.10	50	X426111	RS	06/25/24 17:24	D1
EPA 300.0	**Fluoride**	256	mg/L	100	17.0	1000	X426111	RS	06/26/24 10:22	D2
EPA 300.0	**Nitrate as N**	3.97	mg/L	2.50	0.650	50	X426111	RS	06/25/24 17:24	D1,H3
EPA 300.0	Nitrate+Nitrite as N	< 5.00	mg/L	5.00	2.20	50	X426111	RS	06/25/24 17:24	D1,H3
EPA 300.0	Nitrite as N	< 2.50	mg/L	2.50	1.55	50	X426111	RS	06/25/24 17:24	D1,H3
EPA 300.0	**Sulfate as SO4**	29600	mg/L	300	180	1000	X426111	RS	06/25/24 17:40	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 572 meq/L Anion Sum: 630 meq/L C/A Balance: -4.86 % Calculated TDS: 31418 TDS/cTDS: 1.30

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: **X4F0415**
Reported: 10-Jul-24 13:07

Client Sample ID: **Seep-2**
SVL Sample ID: **X4F0415-02 (Ground Water)**

Sampled: 20-Jun-24 13:15
Received: 24-Jun-24
Sampled By: KR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	263	mg/L	1.00	0.690	10	X426261	SJN	07/02/24 12:44	D1
EPA 200.7	**Magnesium**	976	mg/L	5.00	0.900	10	X426261	SJN	07/02/24 12:44	D2
EPA 200.7	Potassium	< 5.00	mg/L	5.00	1.80	10	X426261	SJN	07/02/24 12:44	D1
SM 2340 B	**Hardness (as CaCO3)**	4680	mg/L	23.1	5.43		N/A		07/03/24 13:12	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	6190	mg/L	1.60	1.08	20	X427086	NMS	07/03/24 13:12	D2
EPA 200.7	Barium	< 0.0400	mg/L	0.0400	0.0380	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Beryllium**	0.508	mg/L	0.0400	0.0160	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	Boron	< 0.800	mg/L	0.800	0.156	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Cadmium**	29.0	mg/L	0.0400	0.0320	20	X427086	NMS	07/03/24 13:12	D2
EPA 200.7	**Calcium**	239	mg/L	2.00	1.38	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Chromium**	1.68	mg/L	0.120	0.0400	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Cobalt**	15.0	mg/L	0.120	0.0920	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Copper**	69.8	mg/L	0.200	0.0540	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Iron**	4830	mg/L	2.00	1.12	20	X427086	NMS	07/03/24 13:12	D2
EPA 200.7	Lead	< 0.150	mg/L	0.150	0.0980	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Lithium**	2.83	mg/L	0.800	0.500	20	X427086	SJN	07/03/24 15:09	D1
EPA 200.7	**Magnesium**	825	mg/L	10.0	1.80	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Manganese**	2340	mg/L	1.60	0.680	200	X427086	NMS	07/03/24 14:23	D2
EPA 200.7	**Molybdenum**	0.177	mg/L	0.160	0.0680	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Nickel**	9.96	mg/L	0.200	0.0960	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	Potassium	< 10.0	mg/L	10.0	3.60	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	Silver	< 0.100	mg/L	0.100	0.0380	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	Sodium	< 10.0	mg/L	10.0	2.40	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	Vanadium	< 0.100	mg/L	0.100	0.0380	20	X427086	NMS	07/03/24 13:12	D1
EPA 200.7	**Zinc**	1310	mg/L	2.00	1.08	200	X427086	NMS	07/03/24 14:23	D2
EPA 200.8	Antimony	< 0.100	mg/L	0.100	0.0720	100	X426139	SMU	07/09/24 07:37	D1
EPA 200.8	**Arsenic**	6.45	mg/L	0.100	0.0210	100	X426139	SMU	07/09/24 07:37	D2
EPA 200.8	**Selenium**	0.327	mg/L	0.100	0.0240	100	X426139	SMU	07/09/24 07:37	D1
EPA 200.8	Thallium	< 0.0200	mg/L	0.0200	0.00800	100	X426139	SMU	07/09/24 07:37	D1
EPA 200.8	**Uranium**	50.6	mg/L	0.0100	0.00520	100	X426139	SMU	07/09/24 07:37	D2
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X426110	MAC	07/08/24 15:20	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0500	mg/L	0.0500	0.0480	10	X426215	DD	06/27/24 17:55	D1,Q12
EPA 335.4	**Cyanide (total)**	0.0112	mg/L	0.0050	0.0038		X427001	DD	07/02/24 16:08	Q12
EPA 350.1	Ammonia as N	< 0.300	mg/L	0.300	0.127	10	X426211	DD	06/28/24 10:29	D1
OIA 1677	Cyanide (WAD)	< 0.0500	mg/L	0.0500	0.0100	10	X426131	DD	06/26/24 16:09	D1,Q12
SM 2310 B	**Acidity to pH 8.3**	48300	mg/L as CaCO3	10.0			X426220	MWD	07/01/24 08:51	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:31	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:31	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:31	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:31	
SM 2540 C	**Total Diss. Solids**	76500	mg/L	100			X426115	TJL	06/27/24 14:25	D2,E11
SM 2540 D	**Total Susp. Solids**	408	mg/L	5.0			X426116	TJL	06/27/24 14:20	
SM 4500 H B	**pH @23.0°C**	2.4	pH Units				X426009	MWD	06/25/24 18:31	H5

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

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0415**
Reported: 10-Jul-24 13:07

Client Sample ID: **Seep-2**
SVL Sample ID: **X4F0415-02 (Ground Water)**

Sampled: 20-Jun-24 13:15
Received: 24-Jun-24
Sampled By: KR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 20.0	mg/L	20.0	2.20	100	X426111	RS	06/25/24 17:55	D1
EPA 300.0	**Fluoride**	756	mg/L	250	42.5	2500	X426111	RS	06/26/24 11:07	D2
EPA 300.0	Nitrate as N	< 5.00	mg/L	5.00	1.30	100	X426111	RS	06/25/24 17:55	D1,H3
EPA 300.0	Nitrate+Nitrite as N	< 10.0	mg/L	10.0	4.40	100	X426111	RS	06/25/24 17:55	D1,H3
EPA 300.0	Nitrite as N	< 5.00	mg/L	5.00	3.10	100	X426111	RS	06/25/24 17:55	D1,H3
EPA 300.0	**Sulfate as SO4**	56400	mg/L	750	450	2500	X426111	RS	06/25/24 18:11	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 1,069 meq/L Anion Sum: 1,214 meq/L C/A Balance: -6.35 % Calculated TDS: 58308 TDS/cTDS: 1.31

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0415**
Reported: 10-Jul-24 13:07

Client Sample ID: **EMP-17A**
SVL Sample ID: **X4F0415-05 (Ground Water)**

Sampled: 20-Jun-24 12:05
Received: 24-Jun-24
Sampled By: KR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	98.1	mg/L	0.100	0.069		X426261	SJN	07/02/24 13:46	
EPA 200.7	**Magnesium**	23.3	mg/L	0.500	0.090		X426261	SJN	07/02/24 13:46	
EPA 200.7	**Potassium**	12.8	mg/L	0.50	0.18		X426261	SJN	07/02/24 13:46	
SM 2340 B	**Hardness (as CaCO3)**	341	mg/L	2.31	0.543		N/A		07/03/24 13:16	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	2.06	mg/L	0.080	0.054		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Barium**	0.0490	mg/L	0.0020	0.0019		X427086	NMS	07/03/24 13:16	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Boron**	0.0422	mg/L	0.0400	0.0078		X427086	NMS	07/03/24 13:16	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Calcium**	97.4	mg/L	0.100	0.069		X427086	NMS	07/03/24 13:16	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Cobalt**	0.0273	mg/L	0.0060	0.0046		X427086	NMS	07/03/24 13:16	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Iron**	2.21	mg/L	0.100	0.056		X427086	NMS	07/03/24 13:16	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X427086	NMS	07/03/24 13:16	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X427086	SJN	07/03/24 15:13	
EPA 200.7	**Magnesium**	22.6	mg/L	0.500	0.090		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Manganese**	18.3	mg/L	0.0080	0.0034		X427086	NMS	07/03/24 13:16	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Nickel**	0.0103	mg/L	0.0100	0.0048		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Potassium**	11.6	mg/L	0.50	0.18		X427086	NMS	07/03/24 13:16	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Sodium**	6.81	mg/L	0.50	0.12		X427086	NMS	07/03/24 13:16	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X427086	NMS	07/03/24 13:16	
EPA 200.7	**Zinc**	0.163	mg/L	0.0100	0.0054		X427086	NMS	07/03/24 13:16	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X426139	SMU	07/09/24 07:42	
EPA 200.8	**Arsenic**	0.00167	mg/L	0.00100	0.00021		X426139	SMU	07/09/24 07:42	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X426139	SMU	07/09/24 07:42	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X426139	SMU	07/09/24 07:42	
EPA 200.8	**Uranium**	0.000311	mg/L	0.000100	0.000052		X426139	SMU	07/09/24 07:42	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X426110	MAC	07/08/24 15:22	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X426215	DD	06/27/24 16:29	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X427001	DD	07/02/24 16:11	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X426211	DD	06/28/24 10:32	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 16:10	
SM 2310 B	**Acidity to pH 8.3**	140	mg/L as CaCO3	10.0			X426220	MWD	07/01/24 08:51	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:36	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:36	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X426009	MWD	06/25/24 18:36	
SM 2540 C	**Total Diss. Solids**	856	mg/L	10			X426115	TJL	06/27/24 14:25	R2B
SM 2540 D	**Total Susp. Solids**	94.0	mg/L	5.0			X426116	TJL	06/27/24 14:20	
SM 4500 H B	**pH @23.1°C**	4.5	pH Units				X426009	MWD	06/25/24 18:36	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: **X4F0415**
Reported: 10-Jul-24 13:07

Client Sample ID: **EMP-17A**
SVL Sample ID: **X4F0415-05 (Ground Water)**

Sampled: 20-Jun-24 12:05
Received: 24-Jun-24
Sampled By: KR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.79	mg/L	0.20	0.02		X426111	RS	06/25/24 18:27	
EPA 300.0	**Fluoride**	5.74	mg/L	0.100	0.017		X426111	RS	06/26/24 11:22	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X426111	RS	06/25/24 18:27	H3
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X426111	RS	06/25/24 18:27	H3
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X426111	RS	06/25/24 18:27	H3
EPA 300.0	**Sulfate as SO4**	389	mg/L	3.00	1.80	10	X426111	RS	06/25/24 18:43	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 8.30 meq/L Anion Sum: 8.56 meq/L C/A Balance: -1.56 % Calculated TDS: 539 TDS/cTDS: 1.59

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: **X4F0415**
Reported: 10-Jul-24 13:07

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X426261	02-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X426261	02-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X426261	02-Jul-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X427086	03-Jul-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X427086	03-Jul-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X427086	03-Jul-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X427086	03-Jul-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X427086	03-Jul-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X427086	03-Jul-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X427086	03-Jul-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X427086	03-Jul-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X427086	03-Jul-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X427086	03-Jul-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X427086	03-Jul-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X427086	03-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X427086	03-Jul-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X427086	03-Jul-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X427086	03-Jul-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X427086	03-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X427086	03-Jul-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X427086	03-Jul-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X427086	03-Jul-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X427086	03-Jul-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X427086	03-Jul-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X426139	09-Jul-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X426139	09-Jul-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X426139	09-Jul-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X426139	09-Jul-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X426139	09-Jul-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X426110	08-Jul-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X426215	27-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X427001	02-Jul-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X426211	28-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X426131	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X426220	01-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X426009	25-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X426009	25-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X426009	25-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X426009	25-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X426115	27-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X426116	27-Jun-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X426111	25-Jun-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X426111	25-Jun-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X426111	25-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X426111	25-Jun-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X426111	25-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X426111	25-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0415**
Reported: 10-Jul-24 13:07

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.7	20.0	98	85 - 115	X426261	02-Jul-24	
EPA 200.7	Magnesium	mg/L	20.6	20.0	103	85 - 115	X426261	02-Jul-24	
EPA 200.7	Potassium	mg/L	20.1	20.0	100	85 - 115	X426261	02-Jul-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.923	1.00	92.3	85 - 115	X427086	03-Jul-24	
EPA 200.7	Barium	mg/L	0.927	1.00	92.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Beryllium	mg/L	0.957	1.00	95.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Boron	mg/L	0.937	1.00	93.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Cadmium	mg/L	0.938	1.00	93.8	85 - 115	X427086	03-Jul-24	
EPA 200.7	Calcium	mg/L	19.3	20.0	96.3	85 - 115	X427086	03-Jul-24	
EPA 200.7	Chromium	mg/L	0.940	1.00	94.0	85 - 115	X427086	03-Jul-24	
EPA 200.7	Cobalt	mg/L	0.921	1.00	92.1	85 - 115	X427086	03-Jul-24	
EPA 200.7	Copper	mg/L	0.930	1.00	93.0	85 - 115	X427086	03-Jul-24	
EPA 200.7	Iron	mg/L	9.72	10.0	97.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Lead	mg/L	0.922	1.00	92.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Lithium	mg/L	0.946	1.00	94.6	85 - 115	X427086	03-Jul-24	
EPA 200.7	Magnesium	mg/L	19.3	20.0	96.5	85 - 115	X427086	03-Jul-24	
EPA 200.7	Manganese	mg/L	0.917	1.00	91.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.947	1.00	94.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Nickel	mg/L	0.929	1.00	92.9	85 - 115	X427086	03-Jul-24	
EPA 200.7	Potassium	mg/L	19.2	20.0	96.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Silver	mg/L	0.0462	0.0500	92.4	85 - 115	X427086	03-Jul-24	
EPA 200.7	Sodium	mg/L	18.5	19.0	97.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Vanadium	mg/L	0.942	1.00	94.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Zinc	mg/L	0.953	1.00	95.3	85 - 115	X427086	03-Jul-24	
EPA 200.8	Antimony	mg/L	0.0237	0.0250	94.7	85 - 115	X426139	09-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0251	0.0250	100	85 - 115	X426139	09-Jul-24	
EPA 200.8	Selenium	mg/L	0.0246	0.0250	98.6	85 - 115	X426139	09-Jul-24	
EPA 200.8	Thallium	mg/L	0.0241	0.0250	96.4	85 - 115	X426139	09-Jul-24	
EPA 200.8	Uranium	mg/L	0.0238	0.0250	95.3	85 - 115	X426139	09-Jul-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00216	0.00200	108	85 - 115	X426110	08-Jul-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.104	0.100	104	90 - 110	X426215	27-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0989	0.100	98.9	90 - 110	X427001	02-Jul-24	
EPA 350.1	Ammonia as N	mg/L	0.990	1.00	99.0	90 - 110	X426211	28-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.108	0.100	108	90 - 110	X426131	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	889	884	101	95.4 - 104	X426220	01-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.3	9.93	104	96.4 - 105	X426009	25-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X426009	25-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	410	397	103	96.4 - 105	X426009	25-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X426116	27-Jun-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.88	3.00	96.0	90 - 110	X426111	25-Jun-24	
EPA 300.0	Fluoride	mg/L	1.91	2.00	95.6	90 - 110	X426111	25-Jun-24	
EPA 300.0	Nitrate as N	mg/L	1.96	2.00	98.0	90 - 110	X426111	25-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.46	4.50	99.0	90 - 110	X426111	25-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.50	2.50	99.9	90 - 110	X426111	25-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	10.0	10.0	100	90 - 110	X426111	25-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0415**
Reported: 10-Jul-24 13:07

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	23500	23500	0.0	20	X426220 - X4F0415-01	01-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	148	150	1.6	20	X426009 - X4F0388-02	25-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	148	150	1.6	20	X426009 - X4F0388-02	25-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X426009 - X4F0388-02	25-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X426009 - X4F0388-02	25-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	299	300	0.3	10	X426115 - X4F0436-02	27-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	580	856	38.4	10	X426115 - X4F0415-05	27-Jun-24	R2B
SM 2540 D	Total Susp. Solids	mg/L	7.0	7.0	0.0	10	X426116 - X4F0436-02	27-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	87.0	94.0	7.7	10	X426116 - X4F0415-05	27-Jun-24	
SM 4500 H B	pH @22.7°C	pH Units	7.9	7.9	0.1	20	X426009 - X4F0388-02	25-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 Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	83.7	64.4	20.0	97	70 - 130	X426261 - X4F0382-02	02-Jul-24	
EPA 200.7	Calcium	mg/L	33.6	13.8	20.0	99	70 - 130	X426261 - X4F0447-04	02-Jul-24	
EPA 200.7	Magnesium	mg/L	29.6	8.65	20.0	105	70 - 130	X426261 - X4F0382-02	02-Jul-24	
EPA 200.7	Magnesium	mg/L	22.6	2.49	20.0	100	70 - 130	X426261 - X4F0447-04	02-Jul-24	
EPA 200.7	Potassium	mg/L	20.9	<0.50	20.0	105	70 - 130	X426261 - X4F0382-02	02-Jul-24	
EPA 200.7	Potassium	mg/L	21.4	1.39	20.0	100	70 - 130	X426261 - X4F0447-04	02-Jul-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.895	<0.080	1.00	89.5	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Aluminum	mg/L	0.893	<0.080	1.00	89.3	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Barium	mg/L	0.964	0.0547	1.00	90.9	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Barium	mg/L	0.984	0.0537	1.00	93.1	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Beryllium	mg/L	0.966	<0.00200	1.00	96.6	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Beryllium	mg/L	0.980	<0.00200	1.00	98.0	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Boron	mg/L	1.06	0.0947	1.00	96.4	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Boron	mg/L	1.00	<0.0400	1.00	97.3	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Cadmium	mg/L	0.918	<0.0020	1.00	91.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Cadmium	mg/L	0.929	<0.0020	1.00	92.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Calcium	mg/L	207	186	20.0	108	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Calcium	mg/L	122	104	20.0	89.6	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Chromium	mg/L	0.938	<0.0060	1.00	93.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Chromium	mg/L	0.948	<0.0060	1.00	94.8	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Cobalt	mg/L	0.928	<0.0060	1.00	92.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Cobalt	mg/L	0.942	0.0122	1.00	93.0	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Copper	mg/L	0.971	<0.0100	1.00	96.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Copper	mg/L	0.987	<0.0100	1.00	97.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Iron	mg/L	10.1	0.329	10.0	97.6	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Iron	mg/L	10.4	0.726	10.0	97.0	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Lead	mg/L	0.908	<0.0075	1.00	90.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Lead	mg/L	0.928	0.0120	1.00	91.6	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Lithium	mg/L	0.987	<0.040	1.00	95.4	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Lithium	mg/L	1.04	0.072	1.00	97.0	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Magnesium	mg/L	44.3	24.4	20.0	99.3	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Magnesium	mg/L	56.6	38.4	20.0	90.7	70 - 130	X427086 - X4F0505-02	03-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0415**
Reported: 10-Jul-24 13:07

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.14	0.229	1.00	91.2	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Manganese	mg/L	1.50	0.578	1.00	91.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.973	0.0107	1.00	96.2	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.02	0.0555	1.00	96.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Nickel	mg/L	0.927	<0.0100	1.00	92.7	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Nickel	mg/L	0.939	<0.0100	1.00	93.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Potassium	mg/L	22.7	3.64	20.0	95.5	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Potassium	mg/L	20.1	1.32	20.0	94.1	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Silver	mg/L	0.0453	<0.0050	0.0500	90.6	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Silver	mg/L	0.0453	<0.0050	0.0500	90.6	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Sodium	mg/L	152	133	19.0	98.0	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Sodium	mg/L	139	123	19.0	84.7	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Vanadium	mg/L	0.960	<0.0050	1.00	96.0	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Vanadium	mg/L	0.968	<0.0050	1.00	96.8	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Zinc	mg/L	0.961	<0.0100	1.00	96.1	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Zinc	mg/L	0.965	<0.0100	1.00	96.5	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.8	Antimony	mg/L	0.0238	<0.00100	0.0250	95.0	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Antimony	mg/L	0.0245	<0.00100	0.0250	97.9	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0274	0.00294	0.0250	97.9	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0213	<0.00100	0.0250	81.5	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Selenium	mg/L	0.0248	<0.00100	0.0250	99.1	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Selenium	mg/L	0.0491	0.0306	0.0250	73.9	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Thallium	mg/L	0.0241	<0.000200	0.0250	96.5	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Thallium	mg/L	0.0255	0.00134	0.0250	96.6	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Uranium	mg/L	0.0239	0.000116	0.0250	95.3	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Uranium	mg/L	0.0462	0.0215	0.0250	98.7	70 - 130	X426139 - X4F0382-04	09-Jul-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00223	<0.000200	0.00200	111	70 - 130	X426110 - X4F0388-02	08-Jul-24	
EPA 245.1	Mercury	mg/L	0.00242	0.000288	0.00200	107	70 - 130	X426110 - X4F0389-01	08-Jul-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.101	<0.0050	0.100	101	79 - 121	X426215 - X4F0401-01	27-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	<0.0050	0.100	103	90 - 110	X427001 - X4F0423-02	02-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.0989	<0.0050	0.100	98.9	90 - 110	X427001 - X4F0423-03	02-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X426211 - X4F0415-05	28-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.76	0.842	1.00	91.7	90 - 110	X426211 - X4F0387-05	28-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	<0.0050	0.100	100	82 - 118	X426131 - X4F0175-01	26-Jun-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.64	5.50	3.00	105	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Fluoride	mg/L	2.72	0.777	2.00	97.1	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.10	0.098	2.00	99.9	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.18	<0.100	4.00	102	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.09	<0.050	2.00	104	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	90.6	81.9	10.0	0.30R>S	90 - 110	X426111 - X4F0423-01	25-Jun-24	M4

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0415**
Reported: 10-Jul-24 13:07

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	84.3	83.7	20.0	0.8	20	100	X426261 - X4F0382-02	
EPA 200.7	Magnesium	mg/L	29.4	29.6	20.0	0.7	20	104	X426261 - X4F0382-02	
EPA 200.7	Potassium	mg/L	20.8	20.9	20.0	0.4	20	104	X426261 - X4F0382-02	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.915	0.895	1.00	2.2	20	91.5	X427086 - X4F0406-01	
EPA 200.7	Barium	mg/L	0.988	0.964	1.00	2.4	20	93.3	X427086 - X4F0406-01	
EPA 200.7	Beryllium	mg/L	0.985	0.966	1.00	2.0	20	98.5	X427086 - X4F0406-01	
EPA 200.7	Boron	mg/L	1.08	1.06	1.00	1.8	20	98.2	X427086 - X4F0406-01	
EPA 200.7	Cadmium	mg/L	0.929	0.918	1.00	1.2	20	92.9	X427086 - X4F0406-01	
EPA 200.7	Calcium	mg/L	206	207	20.0	0.4	20	104	X427086 - X4F0406-01	
EPA 200.7	Chromium	mg/L	0.948	0.938	1.00	1.1	20	94.8	X427086 - X4F0406-01	
EPA 200.7	Cobalt	mg/L	0.937	0.928	1.00	0.9	20	93.7	X427086 - X4F0406-01	
EPA 200.7	Copper	mg/L	0.981	0.971	1.00	1.0	20	97.8	X427086 - X4F0406-01	
EPA 200.7	Iron	mg/L	10.3	10.1	10.0	1.9	20	99.5	X427086 - X4F0406-01	
EPA 200.7	Lead	mg/L	0.917	0.908	1.00	1.0	20	91.7	X427086 - X4F0406-01	
EPA 200.7	Lithium	mg/L	0.983	0.987	1.00	0.4	20	95.0	X427086 - X4F0406-01	
EPA 200.7	Magnesium	mg/L	44.2	44.3	20.0	0.3	20	98.7	X427086 - X4F0406-01	
EPA 200.7	Manganese	mg/L	1.15	1.14	1.00	0.6	20	91.9	X427086 - X4F0406-01	
EPA 200.7	Molybdenum	mg/L	0.985	0.973	1.00	1.3	20	97.5	X427086 - X4F0406-01	
EPA 200.7	Nickel	mg/L	0.938	0.927	1.00	1.1	20	93.8	X427086 - X4F0406-01	
EPA 200.7	Potassium	mg/L	23.1	22.7	20.0	1.6	20	97.4	X427086 - X4F0406-01	
EPA 200.7	Silver	mg/L	0.0456	0.0453	0.0500	0.8	20	91.3	X427086 - X4F0406-01	
EPA 200.7	Sodium	mg/L	152	152	19.0	0.0	20	97.7	X427086 - X4F0406-01	
EPA 200.7	Vanadium	mg/L	0.974	0.960	1.00	1.5	20	97.4	X427086 - X4F0406-01	
EPA 200.7	Zinc	mg/L	0.970	0.961	1.00	0.9	20	97.0	X427086 - X4F0406-01	
EPA 200.8	Antimony	mg/L	0.0236	0.0238	0.0250	0.5	20	94.5	X426139 - X4F0382-01	
EPA 200.8	Arsenic	mg/L	0.0269	0.0274	0.0250	1.9	20	95.8	X426139 - X4F0382-01	
EPA 200.8	Selenium	mg/L	0.0234	0.0248	0.0250	5.7	20	93.6	X426139 - X4F0382-01	
EPA 200.8	Thallium	mg/L	0.0244	0.0241	0.0250	1.1	20	97.6	X426139 - X4F0382-01	
EPA 200.8	Uranium	mg/L	0.0243	0.0239	0.0250	1.4	20	96.6	X426139 - X4F0382-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00217	0.00223	0.00200	2.7	20	108	X426110 - X4F0388-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.109	0.101	0.100	7.6	11	109	X426215 - X4F0401-01	
EPA 335.4	Cyanide (total)	mg/L	0.104	0.103	0.100	0.8	20	104	X427001 - X4F0423-02	
EPA 350.1	Ammonia as N	mg/L	1.05	1.07	1.00	2.2	20	105	X426211 - X4F0415-05	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	0.100	2.0	11	102	X426131 - X4F0175-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.66	8.64	3.00	0.3	20	105	X426111 - X4F0423-01	
EPA 300.0	Fluoride	mg/L	2.74	2.72	2.00	0.7	20	98.1	X426111 - X4F0423-01	
EPA 300.0	Nitrate as N	mg/L	2.12	2.10	2.00	1.2	20	101	X426111 - X4F0423-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.24	4.18	4.00	1.4	20	104	X426111 - X4F0423-01	
EPA 300.0	Nitrite as N	mg/L	2.12	2.09	2.00	1.6	20	106	X426111 - X4F0423-01	
EPA 300.0	Sulfate as SO4	mg/L	90.8	90.6	10.0	0.2	20	0.30R>S	X426111 - X4F0423-01	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0415**
Victor, CO 80860	Reported: 10-Jul-24 13:07

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.
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.
Q5C	After two pH adjustments, the method-specified pH was not achieved.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0423**
Victor, CO 80860	Reported: 10-Jul-24 13:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GV-06	X4F0423-01	Surface Water	24-Jun-24 08:07	TR	25-Jun-2024	
EMP-17	X4F0423-02	Ground Water	24-Jun-24 09:15	TR	25-Jun-2024	
EMP-16	X4F0423-03	Ground Water	24-Jun-24 09:56	TR	25-Jun-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: X4F0423

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: **X4F0423**
Reported: 10-Jul-24 13:34

Client Sample ID: **GV-06**
SVL Sample ID: **X4F0423-01 (Surface Water)**

Sampled: 24-Jun-24 08:07
Received: 25-Jun-24
Sampled By: TR

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		X426107	MAC	07/08/24 13:10	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Barium**	0.119	mg/L	0.0020	0.0019		X426262	SJN	07/02/24 15:00	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X426262	SJN	07/02/24 15:00	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X426262	SJN	07/02/24 15:00	
EPA 200.7	**Calcium**	44.4	mg/L	0.100	0.069		X426262	SJN	07/02/24 15:00	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X426262	SJN	07/02/24 15:00	
EPA 200.7	**Iron**	3.07	mg/L	0.100	0.056		X426262	SJN	07/02/24 15:00	
EPA 200.7	**Magnesium**	10.9	mg/L	0.500	0.090		X426262	SJN	07/02/24 15:00	
EPA 200.7	**Manganese**	1.18	mg/L	0.0080	0.0034		X426262	SJN	07/02/24 15:00	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X426262	SJN	07/02/24 15:00	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X426262	SJN	07/02/24 15:00	
EPA 200.7	**Phosphorus**	0.114	mg/L	0.050	0.013		X426262	SJN	07/02/24 15:00	
EPA 200.7	**Potassium**	1.11	mg/L	0.50	0.18		X426262	SJN	07/02/24 15:00	
EPA 200.7	**Sodium**	11.4	mg/L	0.50	0.12		X426262	SJN	07/02/24 15:00	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X426262	SJN	07/02/24 15:00	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X426271	JRR	07/08/24 09:18	
EPA 200.8	**Arsenic**	0.00105	mg/L	0.00100	0.00021		X426271	JRR	07/08/24 09:18	
EPA 200.8	**Cadmium**	0.000144	mg/L	0.000100	0.000063		X426271	JRR	07/08/24 09:18	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X426271	JRR	07/08/24 09:18	
EPA 200.8	**Copper**	0.00061	mg/L	0.00040	0.00036		X428026	JRR	07/09/24 16:29	
EPA 200.8	**Lead**	0.00098	mg/L	0.00020	0.00014		X426271	JRR	07/08/24 09:18	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X426271	JRR	07/08/24 09:18	
SM 2340 B	**Hardness (as CaC03)**	150	mg/L	2.31	0.543		N/A		07/02/24 15:00	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X426164	NMS	06/26/24 16:39	
EPA 200.7	**Barium**	0.0795	mg/L	0.0020	0.0019		X426164	NMS	06/26/24 16:39	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X426164	NMS	06/26/24 16:39	
EPA 200.7	**Calcium**	42.7	mg/L	0.100	0.069		X426164	NMS	06/26/24 16:39	
EPA 200.7	**Iron**	0.391	mg/L	0.100	0.056		X426164	NMS	06/26/24 16:39	
EPA 200.7	**Magnesium**	10.4	mg/L	0.500	0.090		X426164	NMS	06/26/24 16:39	
EPA 200.7	**Manganese**	0.555	mg/L	0.0080	0.0034		X426164	NMS	06/26/24 16:39	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X426164	NMS	06/26/24 16:39	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X426164	NMS	06/26/24 16:39	
EPA 200.7	**Potassium**	1.07	mg/L	0.50	0.18		X426164	NMS	06/26/24 16:39	
EPA 200.7	**Sodium**	11.3	mg/L	0.50	0.12		X426164	NMS	06/26/24 16:39	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X426164	NMS	06/26/24 16:39	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X426139	SMU	07/09/24 07:50	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X426139	SMU	07/09/24 07:50	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X426139	SMU	07/09/24 07:50	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X426139	SMU	07/09/24 10:11	
EPA 200.8	**Copper**	0.00184	mg/L	0.00040	0.00036		X426139	SMU	07/09/24 10:11	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X426139	SMU	07/09/24 07:50	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X426139	SMU	07/09/24 07:50	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X426139	SMU	07/09/24 07:50	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X426139	SMU	07/09/24 07:50	
EPA 200.8	**Uranium**	0.00141	mg/L	0.000100	0.000052		X426139	SMU	07/09/24 07:50	

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0423**
Reported: 10-Jul-24 13:34

Client Sample ID: **GV-06**
SVL Sample ID: **X4F0423-01 (Surface Water)**

Sampled: 24-Jun-24 08:07
Received: 25-Jun-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X426110	MAC	07/08/24 15:24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X426215	DD	06/27/24 16:31	
Calculation	Chromium(III)	< 0.0110	mg/L	0.0110	0.00390		N/A		07/02/24 15:00	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X427001	DD	07/02/24 16:19	
EPA 350.1	**Ammonia as N**	0.031	mg/L	0.030	0.013		X426212	DD	06/28/24 13:48	
EPA 351.2	TKN	< 0.50	mg/L	0.50	0.31		X426209	DD	06/28/24 11:22	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426132	DD	06/26/24 16:18	
SM 2310 B	**Acidity to pH 8.3**	-105	mg/L as CaCO3	10.0			X426220	MWD	07/01/24 08:51	
SM 2320 B	**Total Alkalinity**	99.8	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:09	
SM 2320 B	**Bicarbonate**	99.8	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:09	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:09	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:09	
SM 2540 C	**Total Diss. Solids**	233	mg/L	10			X426115	TJL	06/27/24 14:25	
SM 2540 D	**Total Susp. Solids**	23.0	mg/L	5.0			X426116	TJL	06/27/24 14:20	
SM 4500 H B	**pH @17.7°C**	7.6	pH Units				X426182	MWD	06/27/24 12:09	H5
SM 4500 S D	Sulfide	< 0.050	mg/L	0.050	0.020		X426105	MCM	06/25/24 18:29	
SM 4500-O-G	**Dissolved Oxygen**	6.6	mg/L	0.1			X426222	TJL	06/27/24 12:45	H3,H5
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	< 0.0050	mg/L	0.0050	0.0019		X427012	MCM	07/01/24 15:45	M2
Filtered Classical Chemistry Parameters										
Calculation	Chromium(III)-Dissolved	< 0.00600	mg/L	0.00600	0.00207		N/A		07/09/24 10:11	
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.50	mg/L	0.20	0.02		X426111	RS	06/25/24 14:13	
EPA 300.0	**Fluoride**	0.777	mg/L	0.100	0.017		X426111	RS	06/25/24 14:13	
EPA 300.0	**Nitrate as N**	0.098	mg/L	0.050	0.013		X426111	RS	06/25/24 14:13	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X426111	RS	06/25/24 14:13	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X426111	RS	06/25/24 14:13	
EPA 300.0	**Sulfate as SO4**	81.9	mg/L	3.00	1.80	10	X426111	RS	06/25/24 14:29	D2,M4

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.55 meq/L Anion Sum: 3.90 meq/L C/A Balance: -4.69 % Calculated TDS: 215 TDS/cTDS: 1.09

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0423**
Reported: 10-Jul-24 13:34

Client Sample ID: **EMP-17**
SVL Sample ID: **X4F0423-02 (Ground Water)**

Sampled: 24-Jun-24 09:15
Received: 25-Jun-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	107	mg/L	0.100	0.069		X426262	SJN	07/02/24 15:03	
EPA 200.7	**Magnesium**	53.3	mg/L	0.500	0.090		X426262	SJN	07/02/24 15:03	
EPA 200.7	**Potassium**	5.69	mg/L	0.50	0.18		X426262	SJN	07/02/24 15:03	
SM 2340 B	**Hardness (as CaCO3)**	472	mg/L	2.31	0.543		N/A		07/02/24 15:03	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X426164	NMS	06/26/24 16:43	
EPA 200.7	**Barium**	0.0295	mg/L	0.0020	0.0019		X426164	NMS	06/26/24 16:43	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X426164	NMS	06/26/24 16:43	
EPA 200.7	**Boron**	0.0571	mg/L	0.0400	0.0078		X426164	NMS	06/26/24 16:43	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X426164	NMS	06/26/24 16:43	
EPA 200.7	**Calcium**	104	mg/L	0.100	0.069		X426164	NMS	06/26/24 16:43	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X426164	NMS	06/26/24 16:43	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X426164	NMS	06/26/24 16:43	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X426164	NMS	06/26/24 16:43	
EPA 200.7	**Iron**	0.174	mg/L	0.100	0.056		X426164	NMS	06/26/24 16:43	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X426164	NMS	06/26/24 16:43	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X426164	NMS	06/26/24 16:43	
EPA 200.7	**Magnesium**	49.8	mg/L	0.500	0.090		X426164	NMS	06/26/24 16:43	
EPA 200.7	**Manganese**	2.70	mg/L	0.0080	0.0034		X426164	NMS	06/26/24 16:43	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X426164	NMS	06/26/24 16:43	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X426164	NMS	06/26/24 16:43	
EPA 200.7	**Potassium**	5.40	mg/L	0.50	0.18		X426164	NMS	06/26/24 16:43	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X426164	NMS	06/26/24 16:43	
EPA 200.7	**Sodium**	40.0	mg/L	0.50	0.12		X426164	NMS	06/26/24 16:43	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X426164	NMS	06/26/24 16:43	
EPA 200.7	**Zinc**	0.0231	mg/L	0.0100	0.0054		X426164	NMS	06/26/24 16:43	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X426139	SMU	07/09/24 07:52	
EPA 200.8	**Arsenic**	0.00107	mg/L	0.00100	0.00021		X426139	SMU	07/09/24 07:52	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X426139	SMU	07/09/24 07:52	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X426139	SMU	07/09/24 07:52	
EPA 200.8	**Uranium**	0.00419	mg/L	0.000100	0.000052		X426139	SMU	07/09/24 07:52	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X426110	MAC	07/08/24 15:26	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X426215	DD	06/27/24 16:33	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X427001	DD	07/02/24 16:22	
EPA 350.1	**Ammonia as N**	0.030	mg/L	0.030	0.013		X426212	DD	06/28/24 13:52	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426132	DD	06/26/24 16:20	
SM 2310 B	**Acidity to pH 8.3**	-32.6	mg/L as CaCO3	10.0			X426220	MWD	07/01/24 08:51	
SM 2320 B	**Total Alkalinity**	26.9	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:15	
SM 2320 B	**Bicarbonate**	26.9	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:15	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:15	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:15	
SM 2540 C	**Total Diss. Solids**	764	mg/L	10			X426115	TJL	06/27/24 14:25	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X426116	TJL	06/27/24 14:20	
SM 4500 H B	**pH @17.7°C**	7.0	pH Units				X426182	MWD	06/27/24 12:15	H5

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

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0423**
Reported: 10-Jul-24 13:34

Client Sample ID: **EMP-17**
SVL Sample ID: **X4F0423-02 (Ground Water)**

Sampled: 24-Jun-24 09:15
Received: 25-Jun-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	5.73	mg/L	0.20	0.02		X426111	RS	06/25/24 15:49	
EPA 300.0	**Fluoride**	3.18	mg/L	0.100	0.017		X426111	RS	06/25/24 15:49	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X426111	RS	06/25/24 15:49	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X426111	RS	06/25/24 15:49	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X426111	RS	06/25/24 15:49	
EPA 300.0	**Sulfate as SO4**	539	mg/L	7.50	4.50	25	X426111	RS	06/26/24 11:38	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 11.3 meq/L Anion Sum: 12.1 meq/L C/A Balance: -3.46 % Calculated TDS: 767 TDS/cTDS: 1.00

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: **X4F0423**
Reported: 10-Jul-24 13:34

Client Sample ID: **EMP-16**
SVL Sample ID: **X4F0423-03 (Ground Water)**

Sampled: 24-Jun-24 09:56
Received: 25-Jun-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	207	mg/L	0.100	0.069		X426262	SJN	07/02/24 15:07	
EPA 200.7	**Magnesium**	86.3	mg/L	0.500	0.090		X426262	SJN	07/02/24 15:07	
EPA 200.7	**Potassium**	7.30	mg/L	0.50	0.18		X426262	SJN	07/02/24 15:07	
SM 2340 B	**Hardness (as CaCO3)**	857	mg/L	2.31	0.543		N/A		07/02/24 15:07	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	103	mg/L	0.080	0.054		X426164	NMS	06/26/24 16:47	M3
EPA 200.7	**Barium**	0.0213	mg/L	0.0020	0.0019		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Beryllium**	0.0264	mg/L	0.00200	0.00080		X426164	NMS	06/26/24 16:47	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Cadmium**	0.157	mg/L	0.0020	0.0016		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Calcium**	204	mg/L	0.100	0.069		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Chromium**	0.0086	mg/L	0.0060	0.0020		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Cobalt**	0.916	mg/L	0.0060	0.0046		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Copper**	0.241	mg/L	0.0100	0.0027		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Iron**	2.40	mg/L	0.100	0.056		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Lead**	0.0346	mg/L	0.0075	0.0049		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Lithium**	0.088	mg/L	0.040	0.025		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Magnesium**	82.5	mg/L	0.500	0.090		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Manganese**	33.0	mg/L	0.0080	0.0034		X426164	NMS	06/26/24 16:47	M3
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Nickel**	0.612	mg/L	0.0100	0.0048		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Potassium**	6.87	mg/L	0.50	0.18		X426164	NMS	06/26/24 16:47	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Sodium**	9.23	mg/L	0.50	0.12		X426164	NMS	06/26/24 16:47	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X426164	NMS	06/26/24 16:47	
EPA 200.7	**Zinc**	8.64	mg/L	0.0100	0.0054		X426164	NMS	06/26/24 16:47	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X426139	SMU	07/09/24 08:00	
EPA 200.8	Arsenic	< 0.00500	mg/L	0.00500	0.00105	5	X426139	SMU	07/09/24 08:31	D1
EPA 200.8	**Selenium**	0.00608	mg/L	0.00500	0.00120	5	X426139	SMU	07/09/24 08:31	D1
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X426139	SMU	07/09/24 08:00	
EPA 200.8	**Uranium**	0.260	mg/L	0.000100	0.000052		X426139	SMU	07/09/24 08:00	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X426110	MAC	07/08/24 15:33	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X426215	DD	06/27/24 16:41	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X427001	DD	07/02/24 16:35	
EPA 350.1	**Ammonia as N**	0.070	mg/L	0.030	0.013		X426212	DD	06/28/24 13:54	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426132	DD	06/26/24 16:26	
SM 2310 B	**Acidity to pH 8.3**	749	mg/L as CaCO3	10.0			X426220	MWD	07/01/24 08:51	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:36	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:36	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X426182	MWD	06/27/24 12:36	
SM 2540 C	**Total Diss. Solids**	2090	mg/L	40			X426115	TJL	06/27/24 14:25	D2
SM 2540 D	**Total Susp. Solids**	44.0	mg/L	5.0			X426116	TJL	06/27/24 14:20	
SM 4500 H B	**pH @18.1°C**	3.5	pH Units				X426182	MWD	06/27/24 12:36	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: **X4F0423**
Reported: 10-Jul-24 13:34

Client Sample ID: **EMP-16**
SVL Sample ID: **X4F0423-03 (Ground Water)**

Sampled: 24-Jun-24 09:56
Received: 25-Jun-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	13.3	mg/L	10.0	1.10	50	X426111	RS	06/25/24 17:08	D2
EPA 300.0	**Fluoride**	12.5	mg/L	1.00	0.170	10	X426111	RS	06/26/24 12:45	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X426111	RS	06/25/24 16:52	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X426111	RS	06/25/24 16:52	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X426111	RS	06/25/24 16:52	
EPA 300.0	**Sulfate as SO4**	1630	mg/L	15.0	9.00	50	X426111	RS	06/25/24 17:08	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 32.5 meq/L Anion Sum: 35.0 meq/L C/A Balance: -3.65 % Calculated TDS: 1962 TDS/cTDS: 1.07

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: **X4F0423**
Reported: 10-Jul-24 13:34

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	X426107	08-Jul-24	U
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X426262	02-Jul-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X426262	02-Jul-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X426262	02-Jul-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X426262	02-Jul-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X426262	02-Jul-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X426262	02-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X426262	02-Jul-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X426262	02-Jul-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X426262	02-Jul-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X426262	02-Jul-24	
EPA 200.7	Phosphorus	mg/L	<0.050	0.013	0.050	X426262	02-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X426262	02-Jul-24	
EPA 200.7	Sodium	mg/L	<0.12	0.12	0.50	X426262	02-Jul-24	U
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X426262	02-Jul-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X426271	08-Jul-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X426271	08-Jul-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X426271	08-Jul-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X426271	08-Jul-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X428026	09-Jul-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X426271	08-Jul-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X426271	08-Jul-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X426164	26-Jun-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X426164	26-Jun-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X426164	26-Jun-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X426164	26-Jun-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X426164	26-Jun-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X426164	26-Jun-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X426164	26-Jun-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X426164	26-Jun-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X426164	26-Jun-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X426164	26-Jun-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X426164	26-Jun-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X426164	26-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X426164	26-Jun-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X426164	26-Jun-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X426164	26-Jun-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X426164	26-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X426164	26-Jun-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X426164	26-Jun-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X426164	26-Jun-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X426164	26-Jun-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X426164	26-Jun-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X426139	09-Jul-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X426139	09-Jul-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X426139	09-Jul-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X426139	09-Jul-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X426139	09-Jul-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X426139	09-Jul-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X426139	09-Jul-24	
EPA 200.8	Silver	mg/L	<0.00008	0.000061	0.00008	X426139	09-Jul-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X426139	09-Jul-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X426139	09-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0423**
Reported: 10-Jul-24 13:34

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X426110	08-Jul-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X426215	27-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X427001	02-Jul-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X426212	28-Jun-24	
EPA 351.2	TKN	mg/L	<0.50	0.31	0.50	X426209	28-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X426132	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X426220	01-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X426182	27-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X426182	27-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X426182	27-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X426182	27-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X426115	27-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X426116	27-Jun-24	
SM 4500 S D	Sulfide	mg/L	<0.050	0.020	0.050	X426105	25-Jun-24	
Dissolved Classical Chemistry Parameters								
SM 3500 Cr B	Hexavalent Chromium	mg/L	<0.0050	0.0019	0.0050	X427012	01-Jul-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X426111	25-Jun-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X426111	25-Jun-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X426111	25-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X426111	25-Jun-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X426111	25-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X426111	25-Jun-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	0.00211	0.00200	106	85 - 115	X426107	08-Jul-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Barium	mg/L	0.965	1.00	96.5	85 - 115	X426262	02-Jul-24	
EPA 200.7	Beryllium	mg/L	1.04	1.00	104	85 - 115	X426262	02-Jul-24	
EPA 200.7	Boron	mg/L	0.996	1.00	99.6	85 - 115	X426262	02-Jul-24	
EPA 200.7	Calcium	mg/L	19.5	20.0	98	85 - 115	X426262	02-Jul-24	
EPA 200.7	Chromium	mg/L	0.995	1.00	99.5	85 - 115	X426262	02-Jul-24	
EPA 200.7	Iron	mg/L	9.87	10.0	98.7	85 - 115	X426262	02-Jul-24	
EPA 200.7	Magnesium	mg/L	19.7	20.0	98.3	85 - 115	X426262	02-Jul-24	
EPA 200.7	Manganese	mg/L	0.997	1.00	99.7	85 - 115	X426262	02-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.999	1.00	99.9	85 - 115	X426262	02-Jul-24	
EPA 200.7	Nickel	mg/L	0.967	1.00	96.7	85 - 115	X426262	02-Jul-24	
EPA 200.7	Phosphorus	mg/L	1.01	1.00	101	85 - 115	X426262	02-Jul-24	
EPA 200.7	Potassium	mg/L	19.9	20.0	99.5	85 - 115	X426262	02-Jul-24	
EPA 200.7	Sodium	mg/L	18.5	19.0	97.5	85 - 115	X426262	02-Jul-24	
EPA 200.7	Zinc	mg/L	1.01	1.00	101	85 - 115	X426262	02-Jul-24	
EPA 200.8	Antimony	mg/L	0.0246	0.0250	98.4	85 - 115	X426271	08-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0247	0.0250	98.8	85 - 115	X426271	08-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0246	0.0250	98.5	85 - 115	X426271	08-Jul-24	
EPA 200.8	Chromium	mg/L	0.0252	0.0250	101	85 - 115	X426271	08-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0423**
Reported: 10-Jul-24 13:34

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)									
EPA 200.8	Copper	mg/L	0.0237	0.0250	94.8	85 - 115	X428026	09-Jul-24	
EPA 200.8	Lead	mg/L	0.0248	0.0250	99.1	85 - 115	X426271	08-Jul-24	
EPA 200.8	Selenium	mg/L	0.0248	0.0250	99.2	85 - 115	X426271	08-Jul-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.928	1.00	92.8	85 - 115	X426164	26-Jun-24	
EPA 200.7	Barium	mg/L	0.954	1.00	95.4	85 - 115	X426164	26-Jun-24	
EPA 200.7	Beryllium	mg/L	0.995	1.00	99.5	85 - 115	X426164	26-Jun-24	
EPA 200.7	Boron	mg/L	0.971	1.00	97.1	85 - 115	X426164	26-Jun-24	
EPA 200.7	Cadmium	mg/L	0.971	1.00	97.1	85 - 115	X426164	26-Jun-24	
EPA 200.7	Calcium	mg/L	19.1	20.0	95.5	85 - 115	X426164	26-Jun-24	
EPA 200.7	Chromium	mg/L	0.984	1.00	98.4	85 - 115	X426164	26-Jun-24	
EPA 200.7	Cobalt	mg/L	0.952	1.00	95.2	85 - 115	X426164	26-Jun-24	
EPA 200.7	Copper	mg/L	0.981	1.00	98.1	85 - 115	X426164	26-Jun-24	
EPA 200.7	Iron	mg/L	9.51	10.0	95.1	85 - 115	X426164	26-Jun-24	
EPA 200.7	Lead	mg/L	0.957	1.00	95.7	85 - 115	X426164	26-Jun-24	
EPA 200.7	Lithium	mg/L	0.945	1.00	94.5	85 - 115	X426164	26-Jun-24	
EPA 200.7	Magnesium	mg/L	19.1	20.0	95.7	85 - 115	X426164	26-Jun-24	
EPA 200.7	Manganese	mg/L	0.958	1.00	95.8	85 - 115	X426164	26-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.994	1.00	99.4	85 - 115	X426164	26-Jun-24	
EPA 200.7	Nickel	mg/L	0.952	1.00	95.2	85 - 115	X426164	26-Jun-24	
EPA 200.7	Potassium	mg/L	19.3	20.0	96.3	85 - 115	X426164	26-Jun-24	
EPA 200.7	Silver	mg/L	0.0493	0.0500	98.6	85 - 115	X426164	26-Jun-24	
EPA 200.7	Sodium	mg/L	18.3	19.0	96.4	85 - 115	X426164	26-Jun-24	
EPA 200.7	Vanadium	mg/L	0.997	1.00	99.7	85 - 115	X426164	26-Jun-24	
EPA 200.7	Zinc	mg/L	0.975	1.00	97.5	85 - 115	X426164	26-Jun-24	
EPA 200.8	Antimony	mg/L	0.0237	0.0250	94.7	85 - 115	X426139	09-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0251	0.0250	100	85 - 115	X426139	09-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0244	0.0250	97.6	85 - 115	X426139	09-Jul-24	
EPA 200.8	Chromium	mg/L	0.0227	0.0250	90.8	85 - 115	X426139	09-Jul-24	
EPA 200.8	Copper	mg/L	0.0256	0.0250	102	85 - 115	X426139	09-Jul-24	
EPA 200.8	Lead	mg/L	0.0244	0.0250	97.4	85 - 115	X426139	09-Jul-24	
EPA 200.8	Selenium	mg/L	0.0246	0.0250	98.6	85 - 115	X426139	09-Jul-24	
EPA 200.8	Silver	mg/L	0.0251	0.0250	100	85 - 115	X426139	09-Jul-24	
EPA 200.8	Thallium	mg/L	0.0241	0.0250	96.4	85 - 115	X426139	09-Jul-24	
EPA 200.8	Uranium	mg/L	0.0238	0.0250	95.3	85 - 115	X426139	09-Jul-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00216	0.00200	108	85 - 115	X426110	08-Jul-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.104	0.100	104	90 - 110	X426215	27-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0989	0.100	98.9	90 - 110	X427001	02-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.04	1.00	104	90 - 110	X426212	28-Jun-24	
EPA 351.2	TKN	mg/L	7.81	8.00	97.7	90 - 110	X426209	28-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.104	0.100	104	90 - 110	X426132	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	889	884	101	95.4 - 104	X426220	01-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	96.4 - 105	X426182	27-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X426182	27-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	408	397	103	96.4 - 105	X426182	27-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X426116	27-Jun-24	
SM 4500 S D	Sulfide	mg/L	0.537	0.500	107	85 - 115	X426105	25-Jun-24	
Dissolved Classical Chemistry Parameters									
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.102	0.100	102	80 - 120	X427012	01-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0423**
Reported: 10-Jul-24 13:34

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.88	3.00	96.0	90 - 110	X426111	25-Jun-24	
EPA 300.0	Fluoride	mg/L	1.91	2.00	95.6	90 - 110	X426111	25-Jun-24	
EPA 300.0	Nitrate as N	mg/L	1.96	2.00	98.0	90 - 110	X426111	25-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.46	4.50	99.0	90 - 110	X426111	25-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.50	2.50	99.9	90 - 110	X426111	25-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	10.0	10.0	100	90 - 110	X426111	25-Jun-24	

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	23500	23500	0.0	20	X426220 - X4F0415-01	01-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	27.5	26.9	2.2	20	X426182 - X4F0423-02	27-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	27.5	26.9	2.2	20	X426182 - X4F0423-02	27-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X426182 - X4F0423-02	27-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X426182 - X4F0423-02	27-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	299	300	0.3	10	X426115 - X4F0436-02	27-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	580	856	38.4	10	X426115 - X4F0415-05	27-Jun-24	R2B
SM 2540 D	Total Susp. Solids	mg/L	7.0	7.0	0.0	10	X426116 - X4F0436-02	27-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	87.0	94.0	7.7	10	X426116 - X4F0415-05	27-Jun-24	
SM 4500 H B	pH @17.0°C	pH Units	7.0	7.0	0.7	20	X426182 - X4F0423-02	27-Jun-24	
SM 4500-O-G	Dissolved Oxygen	mg/L	6.6	6.6	0.0	20	X426222 - X4F0423-01	27-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	0.00203	<0.000093	0.00200	102	70 - 130	X426107 - X4F0391-01	08-Jul-24	
EPA 245.1	Mercury	mg/L	0.00205	<0.000093	0.00200	102	70 - 130	X426107 - X4F0391-08	08-Jul-24	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	0.948	0.0264	1.00	92.1	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Barium	mg/L	0.984	0.0126	1.00	97.2	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Beryllium	mg/L	0.987	<0.00200	1.00	98.7	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Beryllium	mg/L	1.04	<0.00200	1.00	104	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Boron	mg/L	1.13	0.159	1.00	96.8	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Boron	mg/L	1.03	<0.0400	1.00	103	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Calcium	mg/L	43.3	22.6	20.0	104	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Calcium	mg/L	534	474	20.0	0.30R>S	70 - 130	X426262 - X4F0422-01	02-Jul-24	D2,M4
EPA 200.7	Chromium	mg/L	0.931	<0.0060	1.00	93.1	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Chromium	mg/L	1.01	<0.0060	1.00	101	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Iron	mg/L	9.61	<0.100	10.0	96.1	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Iron	mg/L	10.1	0.110	10.0	100	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Magnesium	mg/L	187	181	20.0	0.30R>S	70 - 130	X426262 - X4F0422-01	02-Jul-24	M3
EPA 200.7	Magnesium	mg/L	26.9	6.40	20.0	102	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Manganese	mg/L	1.05	0.105	1.00	94.1	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Manganese	mg/L	0.994	<0.0080	1.00	99.4	70 - 130	X426262 - X4F0428-02	02-Jul-24	

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

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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: **X4F0423**
Reported: 10-Jul-24 13:34

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136) (Continued)										
EPA 200.7	Molybdenum	mg/L	0.907	<0.0080	1.00	90.7	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.01	<0.0080	1.00	101	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Nickel	mg/L	0.923	<0.0100	1.00	91.6	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Nickel	mg/L	0.982	<0.0100	1.00	97.4	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Phosphorus	mg/L	1.00	<0.050	1.00	100	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Phosphorus	mg/L	1.12	0.108	1.00	101	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Potassium	mg/L	59.5	39.3	20.0	101	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Potassium	mg/L	22.3	1.75	20.0	103	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Sodium	mg/L	125	109	19.0	83.8	70 - 130	X426262 - X4F0422-01	02-Jul-24	
EPA 200.7	Sodium	mg/L	28.5	9.74	19.0	98.6	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.7	Zinc	mg/L	4.91	4.23	1.00	0.30R>S	70 - 130	X426262 - X4F0422-01	02-Jul-24	M3
EPA 200.7	Zinc	mg/L	1.02	<0.0100	1.00	102	70 - 130	X426262 - X4F0428-02	02-Jul-24	
EPA 200.8	Antimony	mg/L	0.0244	<0.00100	0.0250	97.5	70 - 130	X426271 - X4F0458-01	08-Jul-24	
EPA 200.8	Antimony	mg/L	0.0309	0.00771	0.0250	92.6	70 - 130	X426271 - X4F0467-02	08-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0248	<0.00100	0.0250	96.6	70 - 130	X426271 - X4F0458-01	08-Jul-24	
EPA 200.8	Arsenic	mg/L	0.235	0.204	0.0250	121	70 - 130	X426271 - X4F0467-02	08-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0403	0.0162	0.0250	96.1	70 - 130	X426271 - X4F0458-01	08-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0246	<0.000100	0.0250	98.3	70 - 130	X426271 - X4F0467-02	08-Jul-24	
EPA 200.8	Chromium	mg/L	0.0239	<0.00100	0.0250	94.0	70 - 130	X426271 - X4F0458-01	08-Jul-24	
EPA 200.8	Chromium	mg/L	0.0287	0.00548	0.0250	92.8	70 - 130	X426271 - X4F0467-02	08-Jul-24	
EPA 200.8	Copper	mg/L	0.0246	<0.00040	0.0250	98.3	70 - 130	X428026 - X4F0422-02	09-Jul-24	
EPA 200.8	Lead	mg/L	0.166	0.138	0.0250	108	70 - 130	X426271 - X4F0458-01	08-Jul-24	
EPA 200.8	Lead	mg/L	0.0256	0.00152	0.0250	96.4	70 - 130	X426271 - X4F0467-02	08-Jul-24	
EPA 200.8	Selenium	mg/L	0.0240	0.00100	0.0250	91.8	70 - 130	X426271 - X4F0458-01	08-Jul-24	
EPA 200.8	Selenium	mg/L	0.0227	<0.00100	0.0250	89.5	70 - 130	X426271 - X4F0467-02	08-Jul-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.896	<0.080	1.00	89.6	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Aluminum	mg/L	105	103	1.00	0.30R>S	70 - 130	X426164 - X4F0423-03	26-Jun-24	M3
EPA 200.7	Barium	mg/L	1.04	0.0934	1.00	94.5	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Barium	mg/L	0.964	0.0213	1.00	94.2	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Beryllium	mg/L	0.982	<0.00200	1.00	98.2	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Beryllium	mg/L	1.00	0.0264	1.00	97.7	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Boron	mg/L	1.09	0.121	1.00	96.6	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Boron	mg/L	0.984	<0.0400	1.00	96.5	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Cadmium	mg/L	0.942	<0.0020	1.00	94.2	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Cadmium	mg/L	1.13	0.157	1.00	97.5	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Calcium	mg/L	106	86.3	20.0	99.8	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Calcium	mg/L	224	204	20.0	97.3	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Chromium	mg/L	0.951	<0.0060	1.00	95.1	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Chromium	mg/L	0.947	0.0086	1.00	93.8	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Cobalt	mg/L	0.912	<0.0060	1.00	91.2	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Cobalt	mg/L	1.88	0.916	1.00	96.2	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Copper	mg/L	0.956	<0.0100	1.00	95.6	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Copper	mg/L	1.27	0.241	1.00	103	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Iron	mg/L	9.42	<0.100	10.0	94.2	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Iron	mg/L	11.8	2.40	10.0	94.4	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Lead	mg/L	0.935	<0.0075	1.00	93.5	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Lead	mg/L	0.979	0.0346	1.00	94.5	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Lithium	mg/L	0.931	<0.040	1.00	93.1	70 - 130	X426164 - X4F0393-01	26-Jun-24	

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Kellogg, ID 83837-0929
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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0423**
Reported: 10-Jul-24 13:34

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Lithium	mg/L	1.06	0.088	1.00	97.1	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Magnesium	mg/L	45.7	26.2	20.0	97.4	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Magnesium	mg/L	101	82.5	20.0	94.3	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Manganese	mg/L	0.944	<0.0080	1.00	94.4	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Manganese	mg/L	34.5	33.0	1.00	0.30R>S	70 - 130	X426164 - X4F0423-03	26-Jun-24	M3
EPA 200.7	Molybdenum	mg/L	0.975	<0.0080	1.00	97.5	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.962	<0.0080	1.00	96.2	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Nickel	mg/L	0.929	0.0143	1.00	91.5	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Nickel	mg/L	1.58	0.612	1.00	96.8	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Potassium	mg/L	21.0	1.48	20.0	97.4	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Potassium	mg/L	26.6	6.87	20.0	98.7	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Silver	mg/L	0.0465	<0.0050	0.0500	93.1	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Silver	mg/L	0.0440	<0.0050	0.0500	88.1	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Sodium	mg/L	28.6	10.2	19.0	96.9	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Sodium	mg/L	28.1	9.23	19.0	99.1	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Vanadium	mg/L	0.972	<0.0050	1.00	97.2	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Vanadium	mg/L	0.965	<0.0050	1.00	96.5	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.7	Zinc	mg/L	0.968	<0.0100	1.00	96.8	70 - 130	X426164 - X4F0393-01	26-Jun-24	
EPA 200.7	Zinc	mg/L	9.78	8.64	1.00	114	70 - 130	X426164 - X4F0423-03	26-Jun-24	
EPA 200.8	Antimony	mg/L	0.0238	<0.00100	0.0250	95.0	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Antimony	mg/L	0.0245	<0.00100	0.0250	97.9	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0274	0.00294	0.0250	97.9	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0213	<0.00100	0.0250	81.5	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Cadmium	mg/L	0.0239	<0.000100	0.0250	95.6	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Cadmium	mg/L	0.117	0.0890	0.0250	112	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Chromium	mg/L	0.0205	<0.00100	0.0250	82.2	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Chromium	mg/L	0.0343	0.0147	0.0250	78.1	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Copper	mg/L	0.0252	0.00064	0.0250	98.4	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Copper	mg/L	0.818	0.797	0.0250	83.4	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Lead	mg/L	0.0242	<0.00020	0.0250	96.9	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Lead	mg/L	0.0245	<0.00020	0.0250	97.9	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Selenium	mg/L	0.0248	<0.00100	0.0250	99.1	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Selenium	mg/L	0.0491	0.0306	0.0250	73.9	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Silver	mg/L	0.0240	<0.00008	0.0250	96.1	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Silver	mg/L	0.0242	0.000091	0.0250	96.4	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Thallium	mg/L	0.0241	<0.000200	0.0250	96.5	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Thallium	mg/L	0.0255	0.00134	0.0250	96.6	70 - 130	X426139 - X4F0382-04	09-Jul-24	
EPA 200.8	Uranium	mg/L	0.0239	0.000116	0.0250	95.3	70 - 130	X426139 - X4F0382-01	09-Jul-24	
EPA 200.8	Uranium	mg/L	0.0462	0.0215	0.0250	98.7	70 - 130	X426139 - X4F0382-04	09-Jul-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00223	<0.000200	0.00200	111	70 - 130	X426110 - X4F0388-02	08-Jul-24	
EPA 245.1	Mercury	mg/L	0.00242	0.000288	0.00200	107	70 - 130	X426110 - X4F0389-01	08-Jul-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.101	<0.0050	0.100	101	79 - 121	X426215 - X4F0401-01	27-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	<0.0050	0.100	103	90 - 110	X427001 - X4F0423-02	02-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.0989	<0.0050	0.100	98.9	90 - 110	X427001 - X4F0423-03	02-Jul-24	
EPA 350.1	Ammonia as N	mg/L	1.09	<0.030	1.00	109	90 - 110	X426212 - X4F0419-01	28-Jun-24	
EPA 350.1	Ammonia as N	mg/L	1.76	0.662	1.00	110	90 - 110	X426212 - X4F0419-09	28-Jun-24	

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Kellogg, ID 83837-0929
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0423**
Reported: 10-Jul-24 13:34

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters (Continued)										
EPA 351.2	TKN	mg/L	8.00	<0.50	8.00	100	90 - 110	X426209 - X4F0334-01	28-Jun-24	
EPA 351.2	TKN	mg/L	7.59	<0.50	8.00	94.8	90 - 110	X426209 - X4F0334-02	28-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.111	<0.0050	0.100	110	82 - 118	X426132 - X4F0423-01	26-Jun-24	
SM 4500 S D	Sulfide	mg/L	0.291	<0.050	0.200	146	75 - 125	X426105 - X4F0402-05	25-Jun-24	M1
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0138	<0.0050	0.0200	68.8	75 - 125	X427012 - X4F0423-01	01-Jul-24	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.64	5.50	3.00	105	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Fluoride	mg/L	2.72	0.777	2.00	97.1	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.10	0.098	2.00	99.9	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.18	<0.100	4.00	102	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.09	<0.050	2.00	104	90 - 110	X426111 - X4F0423-01	25-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	90.6	81.9	10.0	0.30R>S	90 - 110	X426111 - X4F0423-01	25-Jun-24	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	0.00197	0.00203	0.00200	3.2	20	98.6	X426107 - X4F0391-01	
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Barium	mg/L	0.962	0.948	1.00	1.5	20	93.6	X426262 - X4F0422-01	
EPA 200.7	Beryllium	mg/L	0.990	0.987	1.00	0.3	20	99.0	X426262 - X4F0422-01	
EPA 200.7	Boron	mg/L	1.14	1.13	1.00	1.3	20	98.3	X426262 - X4F0422-01	
EPA 200.7	Calcium	mg/L	492	534	20.0	8.0	20	91	X426262 - X4F0422-01	D2
EPA 200.7	Chromium	mg/L	0.939	0.931	1.00	0.9	20	93.9	X426262 - X4F0422-01	
EPA 200.7	Iron	mg/L	9.54	9.61	10.0	0.7	20	95.4	X426262 - X4F0422-01	
EPA 200.7	Magnesium	mg/L	189	187	20.0	1.2	20	0.30R>S	X426262 - X4F0422-01	M3
EPA 200.7	Manganese	mg/L	1.08	1.05	1.00	2.8	20	97.1	X426262 - X4F0422-01	
EPA 200.7	Molybdenum	mg/L	0.925	0.907	1.00	1.9	20	92.5	X426262 - X4F0422-01	
EPA 200.7	Nickel	mg/L	0.939	0.923	1.00	1.7	20	93.3	X426262 - X4F0422-01	
EPA 200.7	Phosphorus	mg/L	1.02	1.00	1.00	1.8	20	102	X426262 - X4F0422-01	
EPA 200.7	Potassium	mg/L	58.9	59.5	20.0	1.0	20	97.9	X426262 - X4F0422-01	
EPA 200.7	Sodium	mg/L	123	125	19.0	1.3	20	75.2	X426262 - X4F0422-01	
EPA 200.7	Zinc	mg/L	4.96	4.91	1.00	1.0	20	73.2	X426262 - X4F0422-01	
EPA 200.8	Antimony	mg/L	0.0248	0.0244	0.0250	1.7	20	99.2	X426271 - X4F0458-01	
EPA 200.8	Arsenic	mg/L	0.0254	0.0248	0.0250	2.4	20	99.0	X426271 - X4F0458-01	
EPA 200.8	Cadmium	mg/L	0.0410	0.0403	0.0250	1.8	20	99.1	X426271 - X4F0458-01	
EPA 200.8	Chromium	mg/L	0.0248	0.0239	0.0250	3.7	20	97.6	X426271 - X4F0458-01	
EPA 200.8	Copper	mg/L	0.0300	0.0246	0.0250	19.8	20	120	X428026 - X4F0422-02	
EPA 200.8	Lead	mg/L	0.165	0.166	0.0250	0.0	20	108	X426271 - X4F0458-01	
EPA 200.8	Selenium	mg/L	0.0231	0.0240	0.0250	3.7	20	88.3	X426271 - X4F0458-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.885	0.896	1.00	1.3	20	88.5	X426164 - X4F0393-01	
EPA 200.7	Barium	mg/L	1.01	1.04	1.00	2.4	20	92.0	X426164 - X4F0393-01	
EPA 200.7	Beryllium	mg/L	0.983	0.982	1.00	0.1	20	98.3	X426164 - X4F0393-01	
EPA 200.7	Boron	mg/L	1.07	1.09	1.00	1.1	20	95.4	X426164 - X4F0393-01	
EPA 200.7	Cadmium	mg/L	0.934	0.942	1.00	0.8	20	93.4	X426164 - X4F0393-01	
EPA 200.7	Calcium	mg/L	105	106	20.0	1.1	20	94.2	X426164 - X4F0393-01	
EPA 200.7	Chromium	mg/L	0.944	0.951	1.00	0.7	20	94.4	X426164 - X4F0393-01	

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Newmont - Cripple Creek & Victor
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0423**
Reported: 10-Jul-24 13:34

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	Cobalt	mg/L	0.904	0.912	1.00	1.0	20	90.4	X426164 - X4F0393-01	
EPA 200.7	Copper	mg/L	0.941	0.956	1.00	1.6	20	94.1	X426164 - X4F0393-01	
EPA 200.7	Iron	mg/L	9.45	9.42	10.0	0.2	20	94.5	X426164 - X4F0393-01	
EPA 200.7	Lead	mg/L	0.925	0.935	1.00	1.2	20	92.5	X426164 - X4F0393-01	
EPA 200.7	Lithium	mg/L	0.919	0.931	1.00	1.3	20	91.9	X426164 - X4F0393-01	
EPA 200.7	Magnesium	mg/L	45.1	45.7	20.0	1.4	20	94.2	X426164 - X4F0393-01	
EPA 200.7	Manganese	mg/L	0.930	0.944	1.00	1.5	20	93.0	X426164 - X4F0393-01	
EPA 200.7	Molybdenum	mg/L	0.968	0.975	1.00	0.8	20	96.8	X426164 - X4F0393-01	
EPA 200.7	Nickel	mg/L	0.919	0.929	1.00	1.1	20	90.5	X426164 - X4F0393-01	
EPA 200.7	Potassium	mg/L	20.8	21.0	20.0	0.9	20	96.5	X426164 - X4F0393-01	
EPA 200.7	Silver	mg/L	0.0456	0.0465	0.0500	2.0	20	91.3	X426164 - X4F0393-01	
EPA 200.7	Sodium	mg/L	28.5	28.6	19.0	0.4	20	96.2	X426164 - X4F0393-01	
EPA 200.7	Vanadium	mg/L	0.965	0.972	1.00	0.8	20	96.5	X426164 - X4F0393-01	
EPA 200.7	Zinc	mg/L	0.956	0.968	1.00	1.3	20	95.6	X426164 - X4F0393-01	
EPA 200.8	Antimony	mg/L	0.0236	0.0238	0.0250	0.5	20	94.5	X426139 - X4F0382-01	
EPA 200.8	Arsenic	mg/L	0.0269	0.0274	0.0250	1.9	20	95.8	X426139 - X4F0382-01	
EPA 200.8	Cadmium	mg/L	0.0239	0.0239	0.0250	0.1	20	95.5	X426139 - X4F0382-01	
EPA 200.8	Chromium	mg/L	0.0199	0.0205	0.0250	3.2	20	79.6	X426139 - X4F0382-01	
EPA 200.8	Copper	mg/L	0.0251	0.0252	0.0250	0.5	20	97.9	X426139 - X4F0382-01	
EPA 200.8	Lead	mg/L	0.0244	0.0242	0.0250	0.6	20	97.5	X426139 - X4F0382-01	
EPA 200.8	Selenium	mg/L	0.0234	0.0248	0.0250	5.7	20	93.6	X426139 - X4F0382-01	
EPA 200.8	Silver	mg/L	0.0242	0.0240	0.0250	0.9	20	96.9	X426139 - X4F0382-01	
EPA 200.8	Thallium	mg/L	0.0244	0.0241	0.0250	1.1	20	97.6	X426139 - X4F0382-01	
EPA 200.8	Uranium	mg/L	0.0243	0.0239	0.0250	1.4	20	96.6	X426139 - X4F0382-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00217	0.00223	0.00200	2.7	20	108	X426110 - X4F0388-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.109	0.101	0.100	7.6	11	109	X426215 - X4F0401-01	
EPA 335.4	Cyanide (total)	mg/L	0.104	0.103	0.100	0.8	20	104	X427001 - X4F0423-02	
EPA 350.1	Ammonia as N	mg/L	1.07	1.09	1.00	2.2	20	107	X426212 - X4F0419-01	
EPA 351.2	TKN	mg/L	7.74	8.00	8.00	3.3	20	96.7	X426209 - X4F0334-01	
OIA 1677	Cyanide (WAD)	mg/L	0.113	0.111	0.100	1.8	11	112	X426132 - X4F0423-01	
SM 4500 S D	Sulfide	mg/L	0.277	0.291	0.200	4.9	20	139	X426105 - X4F0402-05	M1
Dissolved Classical Chemistry Parameters										
SM 3500 Cr B	Hexavalent Chromium	mg/L	0.0126	0.0138	0.0200	8.9	20	62.9	X427012 - X4F0423-01	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	8.66	8.64	3.00	0.3	20	105	X426111 - X4F0423-01	
EPA 300.0	Fluoride	mg/L	2.74	2.72	2.00	0.7	20	98.1	X426111 - X4F0423-01	
EPA 300.0	Nitrate as N	mg/L	2.12	2.10	2.00	1.2	20	101	X426111 - X4F0423-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.24	4.18	4.00	1.4	20	104	X426111 - X4F0423-01	
EPA 300.0	Nitrite as N	mg/L	2.12	2.09	2.00	1.6	20	106	X426111 - X4F0423-01	
EPA 300.0	Sulfate as SO4	mg/L	90.8	90.6	10.0	0.2	20	0.30R>S	X426111 - X4F0423-01	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0423**
Victor, CO 80860	Reported: 10-Jul-24 13:34

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H3	Sample was received and/or analysis requested past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
R2B	RPD exceeded the laboratory acceptance limit.
U	Indicates the analyte was analyzed for but was not detected, result was less than the MDL.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0505**
Reported: 23-Jul-24 10:15

Client Sample ID: **GVMW-24A**
SVL Sample ID: **X4F0505-02 (Ground Water)**

Sampled: 27-Jun-24 08:45
Received: 28-Jun-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	104	mg/L	0.500	0.345	5	X427101	SJN	07/09/24 13:25	D1
EPA 200.7	**Magnesium**	36.5	mg/L	2.50	0.450	5	X427101	SJN	07/09/24 13:25	D1
EPA 200.7	Potassium	< 2.50	mg/L	2.50	0.90	5	X427101	SJN	07/09/24 13:25	D1
SM 2340 B	**Hardness (as CaCO3)**	410	mg/L	11.5	2.71		N/A		07/03/24 14:15	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Barium**	0.0537	mg/L	0.0020	0.0019		X427086	NMS	07/03/24 14:15	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X427086	NMS	07/03/24 14:15	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X427086	NMS	07/03/24 14:15	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Calcium**	104	mg/L	0.100	0.069		X427086	NMS	07/03/24 14:15	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Cobalt**	0.0122	mg/L	0.0060	0.0046		X427086	NMS	07/03/24 14:15	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Iron**	0.726	mg/L	0.100	0.056		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Lead**	0.0120	mg/L	0.0075	0.0049		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Lithium**	0.072	mg/L	0.040	0.025		X427086	SJN	07/03/24 15:54	
EPA 200.7	**Magnesium**	38.4	mg/L	0.500	0.090		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Manganese**	0.578	mg/L	0.0080	0.0034		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Molybdenum**	0.0555	mg/L	0.0080	0.0034		X427086	NMS	07/03/24 14:15	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Potassium**	1.32	mg/L	0.50	0.18		X427086	NMS	07/03/24 14:15	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X427086	NMS	07/03/24 14:15	
EPA 200.7	**Sodium**	123	mg/L	0.50	0.12		X427086	NMS	07/03/24 14:15	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X427086	NMS	07/03/24 14:15	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X427086	NMS	07/03/24 14:15	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X428047	SMU	07/10/24 07:39	
EPA 200.8	**Arsenic**	0.00167	mg/L	0.00100	0.00021		X428047	SMU	07/10/24 07:39	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X428047	SMU	07/10/24 07:39	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X428047	SMU	07/10/24 07:39	
EPA 200.8	**Uranium**	0.0119	mg/L	0.000100	0.000052		X428047	SMU	07/10/24 07:39	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X427021	MAC	07/08/24 13:31	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @24.0°C	< 0.0050	mg/L	0.0050	0.0048		X428139	DD	07/11/24 14:34	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X427001	DD	07/02/24 16:56	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X428064	DD	07/12/24 13:49	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X428037	DD	07/09/24 11:53	
SM 2310 B	**Acidity to pH 8.3**	-162	mg/L as CaCO3	10.0			X428057	MWD	07/09/24 11:51	
SM 2320 B	**Total Alkalinity**	161	mg/L as CaCO3	1.0			X427049	MWD	07/02/24 11:06	
SM 2320 B	**Bicarbonate**	161	mg/L as CaCO3	1.0			X427049	MWD	07/02/24 11:06	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X427049	MWD	07/02/24 11:06	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X427049	MWD	07/02/24 11:06	
SM 2540 C	**Total Diss. Solids**	906	mg/L	10			X426253	TJL	07/01/24 13:25	
SM 2540 D	**Total Susp. Solids**	26.0	mg/L	5.0			X426254	TJL	07/01/24 12:50	
SM 4500 H B	**pH @19.2°C**	7.8	pH Units				X427049	MWD	07/02/24 11:06	

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: **X4F0505**
Reported: 23-Jul-24 10:15

Client Sample ID: **GVMW-24A**
SVL Sample ID: **X4F0505-02 (Ground Water)**

Sampled: 27-Jun-24 08:45
Received: 28-Jun-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.79	mg/L	0.20	0.02		X426251	RS	06/28/24 16:04	
EPA 300.0	**Fluoride**	0.802	mg/L	0.100	0.017		X426251	RS	06/28/24 16:04	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X426251	RS	06/28/24 16:04	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X426251	RS	06/28/24 16:04	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X426251	RS	06/28/24 16:04	
EPA 300.0	**Sulfate as SO4**	565	mg/L	15.0	9.00	50	X426251	RS	06/28/24 16:19	

Cation/Anion Balance and TDS Ratios

Cation Sum: 13.6 meq/L Anion Sum: 15.2 meq/L C/A Balance: -5.31 % Calculated TDS: 932 TDS/cTDS: 0.97

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: **X4F0505**
Reported: 23-Jul-24 10:15

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X427101	09-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X427101	09-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X427101	09-Jul-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X427086	03-Jul-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X427086	03-Jul-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X427086	03-Jul-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X427086	03-Jul-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X427086	03-Jul-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X427086	03-Jul-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X427086	03-Jul-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X427086	03-Jul-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X427086	03-Jul-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X427086	03-Jul-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X427086	03-Jul-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X427086	03-Jul-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X427086	03-Jul-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X427086	03-Jul-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X427086	03-Jul-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X427086	03-Jul-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X427086	03-Jul-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X427086	03-Jul-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X427086	03-Jul-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X427086	03-Jul-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X427086	03-Jul-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X428047	10-Jul-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X428047	10-Jul-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X428047	10-Jul-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X428047	10-Jul-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X428047	10-Jul-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X427021	08-Jul-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X428139	11-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X427001	02-Jul-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X428064	12-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X428037	09-Jul-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X428057	09-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X427049	02-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X427049	02-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X427049	02-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X427049	02-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X426253	01-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X426254	01-Jul-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X426251	28-Jun-24	
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X429051	15-Jul-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X426251	28-Jun-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X429051	15-Jul-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X426251	28-Jun-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X429051	15-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X426251	28-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X429051	15-Jul-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X426251	28-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0505**
Reported: 23-Jul-24 10:15

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)								
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X429051	15-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X426251	28-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X429051	15-Jul-24	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.4	20.0	97	85 - 115	X427101	09-Jul-24	
EPA 200.7	Magnesium	mg/L	18.8	20.0	93.9	85 - 115	X427101	09-Jul-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	97.8	85 - 115	X427101	09-Jul-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.923	1.00	92.3	85 - 115	X427086	03-Jul-24	
EPA 200.7	Barium	mg/L	0.927	1.00	92.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Beryllium	mg/L	0.957	1.00	95.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Boron	mg/L	0.937	1.00	93.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Cadmium	mg/L	0.938	1.00	93.8	85 - 115	X427086	03-Jul-24	
EPA 200.7	Calcium	mg/L	19.3	20.0	96.3	85 - 115	X427086	03-Jul-24	
EPA 200.7	Chromium	mg/L	0.940	1.00	94.0	85 - 115	X427086	03-Jul-24	
EPA 200.7	Cobalt	mg/L	0.921	1.00	92.1	85 - 115	X427086	03-Jul-24	
EPA 200.7	Copper	mg/L	0.930	1.00	93.0	85 - 115	X427086	03-Jul-24	
EPA 200.7	Iron	mg/L	9.72	10.0	97.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Lead	mg/L	0.922	1.00	92.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Lithium	mg/L	0.946	1.00	94.6	85 - 115	X427086	03-Jul-24	
EPA 200.7	Magnesium	mg/L	19.3	20.0	96.5	85 - 115	X427086	03-Jul-24	
EPA 200.7	Manganese	mg/L	0.917	1.00	91.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.947	1.00	94.7	85 - 115	X427086	03-Jul-24	
EPA 200.7	Nickel	mg/L	0.929	1.00	92.9	85 - 115	X427086	03-Jul-24	
EPA 200.7	Potassium	mg/L	19.2	20.0	96.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Silver	mg/L	0.0462	0.0500	92.4	85 - 115	X427086	03-Jul-24	
EPA 200.7	Sodium	mg/L	18.5	19.0	97.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Vanadium	mg/L	0.942	1.00	94.2	85 - 115	X427086	03-Jul-24	
EPA 200.7	Zinc	mg/L	0.953	1.00	95.3	85 - 115	X427086	03-Jul-24	
EPA 200.8	Antimony	mg/L	0.0241	0.0250	96.2	85 - 115	X428047	10-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0238	0.0250	95.3	85 - 115	X428047	10-Jul-24	
EPA 200.8	Selenium	mg/L	0.0232	0.0250	92.9	85 - 115	X428047	10-Jul-24	
EPA 200.8	Thallium	mg/L	0.0241	0.0250	96.3	85 - 115	X428047	10-Jul-24	
EPA 200.8	Uranium	mg/L	0.0238	0.0250	95.1	85 - 115	X428047	10-Jul-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00210	0.00200	105	85 - 115	X427021	08-Jul-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.103	0.100	103	90 - 110	X428139	11-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.0989	0.100	98.9	90 - 110	X427001	02-Jul-24	
EPA 350.1	Ammonia as N	mg/L	0.994	1.00	99.4	90 - 110	X428064	12-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X428037	09-Jul-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	889	884	101	95.4 - 104	X428057	09-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	101	96.4 - 105	X427049	02-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X426254	01-Jul-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.16	3.00	105	90 - 110	X429051	15-Jul-24	

SVL holds the following certifications:
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0505**
Reported: 23-Jul-24 10:15

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)									
EPA 300.0	Chloride	mg/L	3.06	3.00	102	90 - 110	X426251	28-Jun-24	
EPA 300.0	Fluoride	mg/L	2.09	2.00	105	90 - 110	X429051	15-Jul-24	
EPA 300.0	Fluoride	mg/L	2.03	2.00	101	90 - 110	X426251	28-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.14	2.00	107	90 - 110	X429051	15-Jul-24	
EPA 300.0	Nitrate as N	mg/L	2.09	2.00	104	90 - 110	X426251	28-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.86	4.50	108	90 - 110	X429051	15-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.72	4.50	105	90 - 110	X426251	28-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.72	2.50	109	90 - 110	X429051	15-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.64	2.50	106	90 - 110	X426251	28-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	10.9	10.0	109	90 - 110	X429051	15-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	10.7	10.0	107	90 - 110	X426251	28-Jun-24	

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X428057 - X4F0505-02	09-Jul-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	161	161	0.1	20	X427049 - X4F0505-02	02-Jul-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	161	161	0.1	20	X427049 - X4F0505-02	02-Jul-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X427049 - X4F0505-02	02-Jul-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X427049 - X4F0505-02	02-Jul-24	
SM 2540 C	Total Diss. Solids	mg/L	213	205	3.8	10	X426253 - X4F0505-01	01-Jul-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X426254 - X4F0505-01	01-Jul-24	
SM 4500 H B	pH @19.2°C	pH Units	7.8	7.8	0.5	20	X427049 - X4F0505-02	02-Jul-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	63.3	41.8	20.0	107	70 - 130	X427101 - X4F0505-01	09-Jul-24	
EPA 200.7	Calcium	mg/L	33.4	12.8	20.0	103	70 - 130	X427101 - X4F0521-10	09-Jul-24	
EPA 200.7	Magnesium	mg/L	30.8	10.4	20.0	102	70 - 130	X427101 - X4F0505-01	09-Jul-24	
EPA 200.7	Magnesium	mg/L	24.6	4.46	20.0	100	70 - 130	X427101 - X4F0521-10	09-Jul-24	
EPA 200.7	Potassium	mg/L	22.6	2.05	20.0	103	70 - 130	X427101 - X4F0505-01	09-Jul-24	
EPA 200.7	Potassium	mg/L	20.9	0.58	20.0	102	70 - 130	X427101 - X4F0521-10	09-Jul-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.895	<0.080	1.00	89.5	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Aluminum	mg/L	0.893	<0.080	1.00	89.3	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Barium	mg/L	0.964	0.0547	1.00	90.9	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Barium	mg/L	0.984	0.0537	1.00	93.1	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Beryllium	mg/L	0.966	<0.00200	1.00	96.6	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Beryllium	mg/L	0.980	<0.00200	1.00	98.0	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Boron	mg/L	1.06	0.0947	1.00	96.4	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Boron	mg/L	1.00	<0.0400	1.00	97.3	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Cadmium	mg/L	0.918	<0.0020	1.00	91.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Cadmium	mg/L	0.929	<0.0020	1.00	92.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Calcium	mg/L	207	186	20.0	108	70 - 130	X427086 - X4F0406-01	03-Jul-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0505**
Reported: 23-Jul-24 10:15

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Calcium	mg/L	122	104	20.0	89.6	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Chromium	mg/L	0.938	<0.0060	1.00	93.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Chromium	mg/L	0.948	<0.0060	1.00	94.8	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Cobalt	mg/L	0.928	<0.0060	1.00	92.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Cobalt	mg/L	0.942	0.0122	1.00	93.0	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Copper	mg/L	0.971	<0.0100	1.00	96.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Copper	mg/L	0.987	<0.0100	1.00	97.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Iron	mg/L	10.1	0.329	10.0	97.6	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Iron	mg/L	10.4	0.726	10.0	97.0	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Lead	mg/L	0.908	<0.0075	1.00	90.8	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Lead	mg/L	0.928	0.0120	1.00	91.6	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Lithium	mg/L	0.987	<0.040	1.00	95.4	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Lithium	mg/L	1.04	0.072	1.00	97.0	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Magnesium	mg/L	44.3	24.4	20.0	99.3	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Magnesium	mg/L	56.6	38.4	20.0	90.7	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Manganese	mg/L	1.14	0.229	1.00	91.2	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Manganese	mg/L	1.50	0.578	1.00	91.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Molybdenum	mg/L	0.973	0.0107	1.00	96.2	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Molybdenum	mg/L	1.02	0.0555	1.00	96.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Nickel	mg/L	0.927	<0.0100	1.00	92.7	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Nickel	mg/L	0.939	<0.0100	1.00	93.9	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Potassium	mg/L	22.7	3.64	20.0	95.5	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Potassium	mg/L	20.1	1.32	20.0	94.1	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Silver	mg/L	0.0453	<0.0050	0.0500	90.6	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Silver	mg/L	0.0453	<0.0050	0.0500	90.6	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Sodium	mg/L	152	133	19.0	98.0	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Sodium	mg/L	139	123	19.0	84.7	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Vanadium	mg/L	0.960	<0.0050	1.00	96.0	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Vanadium	mg/L	0.968	<0.0050	1.00	96.8	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.7	Zinc	mg/L	0.961	<0.0100	1.00	96.1	70 - 130	X427086 - X4F0406-01	03-Jul-24	
EPA 200.7	Zinc	mg/L	0.965	<0.0100	1.00	96.5	70 - 130	X427086 - X4F0505-02	03-Jul-24	
EPA 200.8	Antimony	mg/L	0.0257	<0.00100	0.0250	103	70 - 130	X428047 - X4F0468-10	10-Jul-24	
EPA 200.8	Antimony	mg/L	0.0271	<0.00100	0.0250	108	70 - 130	X428047 - X4F0505-01	10-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0257	<0.00100	0.0250	101	70 - 130	X428047 - X4F0468-10	10-Jul-24	
EPA 200.8	Arsenic	mg/L	0.0308	0.00473	0.0250	104	70 - 130	X428047 - X4F0505-01	10-Jul-24	
EPA 200.8	Selenium	mg/L	0.0262	0.00152	0.0250	98.7	70 - 130	X428047 - X4F0468-10	10-Jul-24	
EPA 200.8	Selenium	mg/L	0.0239	<0.00100	0.0250	95.7	70 - 130	X428047 - X4F0505-01	10-Jul-24	
EPA 200.8	Thallium	mg/L	0.0243	<0.000200	0.0250	97.2	70 - 130	X428047 - X4F0468-10	10-Jul-24	
EPA 200.8	Thallium	mg/L	0.0260	<0.000200	0.0250	104	70 - 130	X428047 - X4F0505-01	10-Jul-24	
EPA 200.8	Uranium	mg/L	0.0285	0.00413	0.0250	97.5	70 - 130	X428047 - X4F0468-10	10-Jul-24	
EPA 200.8	Uranium	mg/L	0.0270	0.000786	0.0250	105	70 - 130	X428047 - X4F0505-01	10-Jul-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00251	0.000391	0.00200	106	70 - 130	X427021 - X4G0040-01	08-Jul-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	<0.0050	0.100	100	79 - 121	X428139 - X4F0505-01	11-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.103	<0.0050	0.100	103	90 - 110	X427001 - X4F0423-02	02-Jul-24	
EPA 335.4	Cyanide (total)	mg/L	0.0989	<0.0050	0.100	98.9	90 - 110	X427001 - X4F0423-03	02-Jul-24	
EPA 350.1	Ammonia as N	mg/L	0.981	0.049	1.00	93.2	90 - 110	X428064 - X4F0505-01	12-Jul-24	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0505**
Reported: 23-Jul-24 10:15

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters (Continued)										
EPA 350.1	Ammonia as N	mg/L	0.978	<0.030	1.00	97.8	90 - 110	X428064 - X4F0505-02	12-Jul-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0970	<0.0050	0.100	96.0	82 - 118	X428037 - X4F0453-01	09-Jul-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.44	4.11	3.00	111	90 - 110	X429051 - X4G0215-06	16-Jul-24	M1
EPA 300.0	Chloride	mg/L	19.0	16.1	3.00	94.8	90 - 110	X429051 - X4G0214-02	19-Jul-24	
EPA 300.0	Chloride	mg/L	5.49	2.29	3.00	107	90 - 110	X426251 - X4F0505-01	28-Jun-24	
EPA 300.0	Fluoride	mg/L	2.26	0.184	2.00	104	90 - 110	X429051 - X4G0215-06	16-Jul-24	
EPA 300.0	Fluoride	mg/L	4.70	2.73	2.00	98.8	90 - 110	X429051 - X4G0214-02	19-Jul-24	
EPA 300.0	Fluoride	mg/L	4.19	2.10	2.00	104	90 - 110	X426251 - X4F0505-01	28-Jun-24	
EPA 300.0	Nitrate as N	mg/L	3.47	1.31	2.00	108	90 - 110	X429051 - X4G0215-06	16-Jul-24	
EPA 300.0	Nitrate as N	mg/L	0.097	<0.050	2.00	3.38	90 - 110	X429051 - X4G0214-02	19-Jul-24	M2
EPA 300.0	Nitrate as N	mg/L	2.10	<0.050	2.00	105	90 - 110	X426251 - X4F0505-01	28-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.71	1.34	4.00	109	90 - 110	X429051 - X4G0215-06	16-Jul-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	2.19	<0.100	4.00	54.8	90 - 110	X429051 - X4G0214-02	19-Jul-24	M2
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.29	<0.100	4.00	107	90 - 110	X426251 - X4F0505-01	28-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.24	<0.050	2.00	110	90 - 110	X429051 - X4G0215-06	16-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.09	<0.050	2.00	105	90 - 110	X429051 - X4G0214-02	19-Jul-24	
EPA 300.0	Nitrite as N	mg/L	2.19	<0.050	2.00	109	90 - 110	X426251 - X4F0505-01	28-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	44.4	34.0	10.0	104	90 - 110	X429051 - X4G0215-06	16-Jul-24	
EPA 300.0	Sulfate as SO4	mg/L	1290	1260	10.0	0.30R>S	90 - 110	X429051 - X4G0214-02	19-Jul-24	M4
EPA 300.0	Sulfate as SO4	mg/L	65.4	56.5	10.0	0.30R>S	90 - 110	X426251 - X4F0505-01	28-Jun-24	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	63.8	63.3	20.0	0.7	20	110	X427101 - X4F0505-01	
EPA 200.7	Magnesium	mg/L	31.3	30.8	20.0	1.5	20	105	X427101 - X4F0505-01	
EPA 200.7	Potassium	mg/L	22.8	22.6	20.0	0.8	20	104	X427101 - X4F0505-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.915	0.895	1.00	2.2	20	91.5	X427086 - X4F0406-01	
EPA 200.7	Barium	mg/L	0.988	0.964	1.00	2.4	20	93.3	X427086 - X4F0406-01	
EPA 200.7	Beryllium	mg/L	0.985	0.966	1.00	2.0	20	98.5	X427086 - X4F0406-01	
EPA 200.7	Boron	mg/L	1.08	1.06	1.00	1.8	20	98.2	X427086 - X4F0406-01	
EPA 200.7	Cadmium	mg/L	0.929	0.918	1.00	1.2	20	92.9	X427086 - X4F0406-01	
EPA 200.7	Calcium	mg/L	206	207	20.0	0.4	20	104	X427086 - X4F0406-01	
EPA 200.7	Chromium	mg/L	0.948	0.938	1.00	1.1	20	94.8	X427086 - X4F0406-01	
EPA 200.7	Cobalt	mg/L	0.937	0.928	1.00	0.9	20	93.7	X427086 - X4F0406-01	
EPA 200.7	Copper	mg/L	0.981	0.971	1.00	1.0	20	97.8	X427086 - X4F0406-01	
EPA 200.7	Iron	mg/L	10.3	10.1	10.0	1.9	20	99.5	X427086 - X4F0406-01	
EPA 200.7	Lead	mg/L	0.917	0.908	1.00	1.0	20	91.7	X427086 - X4F0406-01	
EPA 200.7	Lithium	mg/L	0.983	0.987	1.00	0.4	20	95.0	X427086 - X4F0406-01	
EPA 200.7	Magnesium	mg/L	44.2	44.3	20.0	0.3	20	98.7	X427086 - X4F0406-01	
EPA 200.7	Manganese	mg/L	1.15	1.14	1.00	0.6	20	91.9	X427086 - X4F0406-01	
EPA 200.7	Molybdenum	mg/L	0.985	0.973	1.00	1.3	20	97.5	X427086 - X4F0406-01	
EPA 200.7	Nickel	mg/L	0.938	0.927	1.00	1.1	20	93.8	X427086 - X4F0406-01	
EPA 200.7	Potassium	mg/L	23.1	22.7	20.0	1.6	20	97.4	X427086 - X4F0406-01	
EPA 200.7	Silver	mg/L	0.0456	0.0453	0.0500	0.8	20	91.3	X427086 - X4F0406-01	
EPA 200.7	Sodium	mg/L	152	152	19.0	0.0	20	97.7	X427086 - X4F0406-01	

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: **X4F0505**
Reported: 23-Jul-24 10:15

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Vanadium	mg/L	0.974	0.960	1.00	1.5	20	97.4	X427086 - X4F0406-01	
EPA 200.7	Zinc	mg/L	0.970	0.961	1.00	0.9	20	97.0	X427086 - X4F0406-01	
EPA 200.8	Antimony	mg/L	0.0253	0.0257	0.0250	1.5	20	101	X428047 - X4F0468-10	
EPA 200.8	Arsenic	mg/L	0.0251	0.0257	0.0250	2.5	20	98.8	X428047 - X4F0468-10	
EPA 200.8	Selenium	mg/L	0.0248	0.0262	0.0250	5.7	20	92.9	X428047 - X4F0468-10	
EPA 200.8	Thallium	mg/L	0.0243	0.0243	0.0250	0.1	20	97.3	X428047 - X4F0468-10	
EPA 200.8	Uranium	mg/L	0.0288	0.0285	0.0250	0.9	20	98.5	X428047 - X4F0468-10	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00256	0.00251	0.00200	2.0	20	108	X427021 - X4G0040-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0950	0.100	0.100	5.1	11	95.0	X428139 - X4F0505-01	
EPA 335.4	Cyanide (total)	mg/L	0.104	0.103	0.100	0.8	20	104	X427001 - X4F0423-02	
EPA 350.1	Ammonia as N	mg/L	1.07	0.981	1.00	8.3	20	102	X428064 - X4F0505-01	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.0970	0.100	6.0	11	102	X428037 - X4F0453-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	5.46	5.49	3.00	0.5	20	106	X426251 - X4F0505-01	
EPA 300.0	Chloride	mg/L	18.5	19.0	3.00	2.7	20	0.30R>S	X429051 - X4G0214-02	M4
EPA 300.0	Fluoride	mg/L	4.25	4.19	2.00	1.4	20	107	X426251 - X4F0505-01	
EPA 300.0	Fluoride	mg/L	4.74	4.70	2.00	0.7	20	100	X429051 - X4G0214-02	
EPA 300.0	Nitrate as N	mg/L	2.09	2.10	2.00	0.6	20	104	X426251 - X4F0505-01	
EPA 300.0	Nitrate as N	mg/L	0.087	0.097	2.00	11.4	20	2.85	X429051 - X4G0214-02	M2
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.27	4.29	4.00	0.5	20	107	X426251 - X4F0505-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	2.24	2.19	4.00	2.1	20	55.9	X429051 - X4G0214-02	M2
EPA 300.0	Nitrite as N	mg/L	2.18	2.19	2.00	0.4	20	109	X426251 - X4F0505-01	
EPA 300.0	Nitrite as N	mg/L	2.15	2.09	2.00	2.6	20	107	X429051 - X4G0214-02	
EPA 300.0	Sulfate as SO4	mg/L	66.7	65.4	10.0	2.0	20	102	X426251 - X4F0505-01	
EPA 300.0	Sulfate as SO4	mg/L	1250	1290	10.0	2.5	20	0.30R>S	X429051 - X4G0214-02	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0505**
Victor, CO 80860	Reported: 23-Jul-24 10:15

Notes and Definitions

D1	Sample required dilution due to matrix.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
N1	See case narrative.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0175**
Victor, CO 80860	Reported: 28-Jun-24 14:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-8A	X4F0175-01	Ground Water	11-Jun-24 08:38	PB	12-Jun-2024	
GVMW-8B	X4F0175-02	Ground Water	11-Jun-24 09:21	PB	12-Jun-2024	
GVMW-7B	X4F0175-03	Ground Water	11-Jun-24 11:13	PB	12-Jun-2024	
GVMW-7A	X4F0175-04	Ground Water	11-Jun-24 12:05	PB	12-Jun-2024	
GVMW-4A	X4F0175-05	Ground Water	11-Jun-24 13:52	PB	12-Jun-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: X4F0175

The state of origin only accredits for drinking water analyses.

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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: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4F0175-01 (Ground Water)**

Sampled: 11-Jun-24 08:38
Received: 12-Jun-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**	50.2	mg/L	0.100	0.069		X425056	NMS	06/24/24 10:53	
EPA 200.7	**Magnesium**	6.53	mg/L	0.500	0.090		X425056	NMS	06/24/24 10:53	
EPA 200.7	**Potassium**	0.78	mg/L	0.50	0.18		X425056	NMS	06/24/24 10:53	
SM 2340 B	**Hardness (as CaCO3)**	152	mg/L	2.31	0.543		N/A		06/19/24 15:42	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X425063	NMS	06/19/24 15:42	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X425063	NMS	06/19/24 15:42	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X425063	NMS	06/19/24 15:42	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X425063	NMS	06/19/24 15:42	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X425063	NMS	06/19/24 15:42	
EPA 200.7	**Calcium**	50.8	mg/L	0.100	0.069		X425063	NMS	06/19/24 15:42	
EPA 200.7	**Chromium**	0.0079	mg/L	0.0060	0.0020		X425063	NMS	06/19/24 15:42	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X425063	NMS	06/19/24 15:42	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X425063	NMS	06/19/24 15:42	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X425063	NMS	06/19/24 15:42	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X425063	NMS	06/19/24 15:42	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X425063	NMS	06/19/24 15:42	
EPA 200.7	**Magnesium**	6.66	mg/L	0.500	0.090		X425063	NMS	06/19/24 15:42	
EPA 200.7	**Manganese**	0.0245	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:42	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:42	
EPA 200.7	**Nickel**	0.0100	mg/L	0.0100	0.0048		X425063	NMS	06/19/24 15:42	
EPA 200.7	**Potassium**	0.73	mg/L	0.50	0.18		X425063	NMS	06/19/24 15:42	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:42	
EPA 200.7	**Sodium**	25.0	mg/L	0.50	0.12		X425063	NMS	06/19/24 15:42	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:42	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X425063	NMS	06/19/24 15:42	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X425041	SMU	06/25/24 16:01	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X425041	SMU	06/25/24 16:01	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X425041	SMU	06/25/24 16:01	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X425041	SMU	06/25/24 16:01	
EPA 200.8	**Uranium**	0.00486	mg/L	0.000100	0.000052		X425041	SMU	06/25/24 16:01	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 14:44	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:40	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424184	JPM	06/14/24 11:37	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X425016	JPM	06/18/24 11:07	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 15:33	H1
SM 2310 B	**Acidity to pH 8.3**	-62.3	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	**Total Alkalinity**	54.1	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:11	
SM 2320 B	**Bicarbonate**	54.1	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:11	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:11	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:11	
SM 2540 C	**Total Diss. Solids**	242	mg/L	10			X424165	TJL	06/14/24 14:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X424166	TJL	06/14/24 15:30	
SM 4500 H B	**pH @19.2°C**	6.9	pH Units				X425075	MWD	06/18/24 16:11	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: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X4F0175-01 (Ground Water)**

Sampled: 11-Jun-24 08:38
Received: 12-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	65.7	mg/L	2.00	0.22	10	X424154	RS	06/12/24 20:28	D2,M4
EPA 300.0	**Fluoride**	1.86	mg/L	0.100	0.017		X424154	RS	06/12/24 20:11	
EPA 300.0	**Nitrate as N**	1.34	mg/L	0.050	0.013		X424154	RS	06/12/24 20:11	
EPA 300.0	**Nitrate+Nitrite as N**	1.34	mg/L	0.100	0.044		X424154	RS	06/12/24 20:11	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X424154	RS	06/12/24 20:11	
EPA 300.0	**Sulfate as SO4**	63.7	mg/L	3.00	1.80	10	X424154	RS	06/12/24 20:28	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 4.16 meq/L Anion Sum: 4.45 meq/L C/A Balance: -3.38 % Calculated TDS: 253 TDS/cTDS: 0.96

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

Tawnya M. Hall
Project Manager Assistant

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4F0175-02 (Ground Water)**

Sampled: 11-Jun-24 09:21
Received: 12-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	44.5	mg/L	0.100	0.069		X425056	NMS	06/24/24 10:56	
EPA 200.7	**Magnesium**	7.17	mg/L	0.500	0.090		X425056	NMS	06/24/24 10:56	
EPA 200.7	**Potassium**	1.33	mg/L	0.50	0.18		X425056	NMS	06/24/24 10:56	
SM 2340 B	**Hardness (as CaCO3)**	144	mg/L	2.31	0.543		N/A		06/24/24 10:56	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X425063	NMS	06/19/24 15:46	
EPA 200.7	**Barium**	0.0061	mg/L	0.0020	0.0019		X425063	NMS	06/19/24 15:46	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X425063	NMS	06/19/24 15:46	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X425063	NMS	06/19/24 15:46	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X425063	NMS	06/19/24 15:46	
EPA 200.7	**Calcium**	45.6	mg/L	0.100	0.069		X425063	NMS	06/19/24 15:46	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X425063	NMS	06/19/24 15:46	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X425063	NMS	06/19/24 15:46	
EPA 200.7	**Copper**	0.0187	mg/L	0.0100	0.0027		X425063	NMS	06/19/24 15:46	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X425063	NMS	06/19/24 15:46	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X425063	NMS	06/19/24 15:46	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X425063	NMS	06/19/24 15:46	
EPA 200.7	**Magnesium**	7.33	mg/L	0.500	0.090		X425063	NMS	06/19/24 15:46	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:46	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:46	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X425063	NMS	06/19/24 15:46	
EPA 200.7	**Potassium**	1.38	mg/L	0.50	0.18		X425063	NMS	06/19/24 15:46	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:46	
EPA 200.7	**Sodium**	25.3	mg/L	0.50	0.12		X425063	NMS	06/19/24 15:46	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:46	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X425063	NMS	06/19/24 15:46	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X425041	SMU	06/25/24 16:03	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X425041	SMU	06/25/24 16:03	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X425041	SMU	06/25/24 16:03	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X425041	SMU	06/25/24 16:03	
EPA 200.8	**Uranium**	0.00237	mg/L	0.000100	0.000052		X425041	SMU	06/25/24 16:03	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 14:46	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:41	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424184	JPM	06/14/24 11:40	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X425016	JPM	06/18/24 11:09	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 15:34	H1
SM 2310 B	**Acidity to pH 8.3**	-33.5	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	**Total Alkalinity**	35.7	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:16	
SM 2320 B	**Bicarbonate**	35.7	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:16	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:16	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:16	
SM 2540 C	**Total Diss. Solids**	250	mg/L	10			X424165	TJL	06/14/24 14:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X424166	TJL	06/14/24 15:30	
SM 4500 H B	**pH @19.1°C**	6.7	pH Units				X425075	MWD	06/18/24 16:16	H5

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

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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: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X4F0175-02 (Ground Water)**

Sampled: 11-Jun-24 09:21
Received: 12-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	34.4	mg/L	2.00	0.22	10	X424154	RS	06/12/24 22:40	D2
EPA 300.0	**Fluoride**	2.20	mg/L	0.100	0.017		X424154	RS	06/12/24 22:24	
EPA 300.0	**Nitrate as N**	2.04	mg/L	0.050	0.013		X424154	RS	06/12/24 22:24	
EPA 300.0	**Nitrate+Nitrite as N**	2.04	mg/L	0.100	0.044		X424154	RS	06/12/24 22:24	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X424154	RS	06/12/24 22:24	
EPA 300.0	**Sulfate as SO4**	106	mg/L	3.00	1.80	10	X424154	RS	06/12/24 22:40	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.96 meq/L Anion Sum: 4.15 meq/L C/A Balance: -2.39 % Calculated TDS: 252 TDS/cTDS: 0.99

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

Tawnya M. Hall
Project Manager Assistant

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: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4F0175-03 (Ground Water)**

Sampled: 11-Jun-24 11:13
Received: 12-Jun-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**	131	mg/L	0.100	0.069		X425056	NMS	06/24/24 11:00	
EPA 200.7	**Magnesium**	51.7	mg/L	0.500	0.090		X425056	NMS	06/24/24 11:00	
EPA 200.7	**Potassium**	1.56	mg/L	0.50	0.18		X425056	NMS	06/24/24 11:00	
SM 2340 B	**Hardness (as CaCO3)**	547	mg/L	2.31	0.543		N/A		06/19/24 15:50	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X425063	NMS	06/19/24 15:50	
EPA 200.7	**Barium**	0.0446	mg/L	0.0020	0.0019		X425063	NMS	06/19/24 15:50	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X425063	NMS	06/19/24 15:50	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X425063	NMS	06/19/24 15:50	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X425063	NMS	06/19/24 15:50	
EPA 200.7	**Calcium**	134	mg/L	0.100	0.069		X425063	NMS	06/19/24 15:50	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X425063	NMS	06/19/24 15:50	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X425063	NMS	06/19/24 15:50	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X425063	NMS	06/19/24 15:50	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X425063	NMS	06/19/24 15:50	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X425063	NMS	06/19/24 15:50	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X425063	NMS	06/19/24 15:50	
EPA 200.7	**Magnesium**	50.0	mg/L	0.500	0.090		X425063	NMS	06/19/24 15:50	
EPA 200.7	**Manganese**	0.0110	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:50	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:50	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X425063	NMS	06/19/24 15:50	
EPA 200.7	**Potassium**	1.57	mg/L	0.50	0.18		X425063	NMS	06/19/24 15:50	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:50	
EPA 200.7	**Sodium**	20.5	mg/L	0.50	0.12		X425063	NMS	06/19/24 15:50	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:50	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X425063	NMS	06/19/24 15:50	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X425041	SMU	06/25/24 16:06	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X425041	SMU	06/25/24 16:06	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X425041	SMU	06/25/24 16:06	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X425041	SMU	06/25/24 16:06	
EPA 200.8	**Uranium**	0.00309	mg/L	0.000100	0.000052		X425041	SMU	06/25/24 16:06	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 14:48	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:43	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424184	JPM	06/14/24 11:43	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X425016	JPM	06/18/24 11:11	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 15:36	H1
SM 2310 B	**Acidity to pH 8.3**	-47.9	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	**Total Alkalinity**	49.6	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:21	
SM 2320 B	**Bicarbonate**	49.6	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:21	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:21	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:21	
SM 2540 C	**Total Diss. Solids**	714	mg/L	10			X424165	TJL	06/14/24 14:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X424166	TJL	06/14/24 15:30	
SM 4500 H B	**pH @19.1°C**	6.8	pH Units				X425075	MWD	06/18/24 16:21	H5

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

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

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-7B**
SVL Sample ID: **X4F0175-03 (Ground Water)**

Sampled: 11-Jun-24 11:13
Received: 12-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	85.7	mg/L	2.00	0.22	10	X424154	RS	06/12/24 23:13	D2
EPA 300.0	**Fluoride**	0.226	mg/L	0.100	0.017		X424154	RS	06/12/24 22:57	
EPA 300.0	**Nitrate as N**	0.390	mg/L	0.050	0.013		X424154	RS	06/12/24 22:57	
EPA 300.0	**Nitrate+Nitrite as N**	0.390	mg/L	0.100	0.044		X424154	RS	06/12/24 22:57	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X424154	RS	06/12/24 22:57	
EPA 300.0	**Sulfate as SO4**	410	mg/L	3.00	1.80	10	X424154	RS	06/12/24 23:13	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 11.6 meq/L Anion Sum: 12.0 meq/L C/A Balance: -1.64 % Calculated TDS: 733 TDS/cTDS: 0.97

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

Tawnya M. Hall
Project Manager Assistant

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: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4F0175-04 (Ground Water)**

Sampled: 11-Jun-24 12:05
Received: 12-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	39.0	mg/L	0.100	0.069		X425056	NMS	06/24/24 11:04	
EPA 200.7	**Magnesium**	17.4	mg/L	0.500	0.090		X425056	NMS	06/24/24 11:04	
EPA 200.7	**Potassium**	0.89	mg/L	0.50	0.18		X425056	NMS	06/24/24 11:04	
SM 2340 B	**Hardness (as CaCO3)**	168	mg/L	2.31	0.543		N/A		06/19/24 15:54	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X425063	NMS	06/19/24 15:54	
EPA 200.7	**Barium**	0.168	mg/L	0.0020	0.0019		X425063	NMS	06/19/24 15:54	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X425063	NMS	06/19/24 15:54	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X425063	NMS	06/19/24 15:54	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X425063	NMS	06/19/24 15:54	
EPA 200.7	**Calcium**	38.8	mg/L	0.100	0.069		X425063	NMS	06/19/24 15:54	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X425063	NMS	06/19/24 15:54	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X425063	NMS	06/19/24 15:54	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X425063	NMS	06/19/24 15:54	
EPA 200.7	**Iron**	1.06	mg/L	0.100	0.056		X425063	NMS	06/19/24 15:54	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X425063	NMS	06/19/24 15:54	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X425063	NMS	06/19/24 15:54	
EPA 200.7	**Magnesium**	17.8	mg/L	0.500	0.090		X425063	NMS	06/19/24 15:54	
EPA 200.7	**Manganese**	0.203	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:54	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:54	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X425063	NMS	06/19/24 15:54	
EPA 200.7	**Potassium**	0.94	mg/L	0.50	0.18		X425063	NMS	06/19/24 15:54	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:54	
EPA 200.7	**Sodium**	9.43	mg/L	0.50	0.12		X425063	NMS	06/19/24 15:54	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:54	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X425063	NMS	06/19/24 15:54	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X425041	SMU	06/25/24 16:08	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X425041	SMU	06/25/24 16:08	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X425041	SMU	06/25/24 16:08	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X425041	SMU	06/25/24 16:08	
EPA 200.8	**Uranium**	0.00384	mg/L	0.000100	0.000052		X425041	SMU	06/25/24 16:08	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 14:51	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:44	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424184	JPM	06/14/24 11:45	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X425016	JPM	06/18/24 11:13	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 15:37	H1
SM 2310 B	**Acidity to pH 8.3**	-163	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	**Total Alkalinity**	162	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:26	
SM 2320 B	**Bicarbonate**	162	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:26	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:26	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:26	
SM 2540 C	**Total Diss. Solids**	194	mg/L	10			X424165	TJL	06/14/24 14:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X424166	TJL	06/14/24 15:30	
SM 4500 H B	**pH @19.2°C**	7.5	pH Units				X425075	MWD	06/18/24 16:26	H5

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: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-7A**
SVL Sample ID: **X4F0175-04 (Ground Water)**

Sampled: 11-Jun-24 12:05
Received: 12-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	9.74	mg/L	0.20	0.02		X424154	RS	06/12/24 23:30	
EPA 300.0	**Fluoride**	0.887	mg/L	0.100	0.017		X424154	RS	06/12/24 23:30	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X424154	RS	06/12/24 23:30	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X424154	RS	06/12/24 23:47	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X424154	RS	06/12/24 23:30	
EPA 300.0	**Sulfate as SO4**	20.0	mg/L	0.30	0.18		X424154	RS	06/12/24 23:30	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.86 meq/L Anion Sum: 3.98 meq/L C/A Balance: -1.51 % Calculated TDS: 195 TDS/cTDS: 1.00

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

Tawnya M. Hall
Project Manager Assistant

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: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4F0175-05 (Ground Water)**

Sampled: 11-Jun-24 13:52
Received: 12-Jun-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**	17.1	mg/L	0.100	0.069		X425056	NMS	06/24/24 11:07	
EPA 200.7	**Magnesium**	10.3	mg/L	0.500	0.090		X425056	NMS	06/24/24 11:07	
EPA 200.7	**Potassium**	1.16	mg/L	0.50	0.18		X425056	NMS	06/24/24 11:07	
SM 2340 B	**Hardness (as CaCO3)**	85.5	mg/L	2.31	0.543		N/A		06/24/24 11:07	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X425063	NMS	06/19/24 15:58	
EPA 200.7	**Barium**	0.201	mg/L	0.0020	0.0019		X425063	NMS	06/19/24 15:58	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X425063	NMS	06/19/24 15:58	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X425063	NMS	06/19/24 15:58	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X425063	NMS	06/19/24 15:58	
EPA 200.7	**Calcium**	16.7	mg/L	0.100	0.069		X425063	NMS	06/19/24 15:58	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X425063	NMS	06/19/24 15:58	
EPA 200.7	**Cobalt**	0.0078	mg/L	0.0060	0.0046		X425063	NMS	06/19/24 15:58	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X425063	NMS	06/19/24 15:58	
EPA 200.7	**Iron**	7.82	mg/L	0.100	0.056		X425063	NMS	06/19/24 15:58	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X425063	NMS	06/19/24 15:58	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X425063	NMS	06/19/24 15:58	
EPA 200.7	**Magnesium**	10.4	mg/L	0.500	0.090		X425063	NMS	06/19/24 15:58	
EPA 200.7	**Manganese**	1.85	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:58	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X425063	NMS	06/19/24 15:58	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X425063	NMS	06/19/24 15:58	
EPA 200.7	**Potassium**	1.26	mg/L	0.50	0.18		X425063	NMS	06/19/24 15:58	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:58	
EPA 200.7	**Sodium**	8.49	mg/L	0.50	0.12		X425063	NMS	06/19/24 15:58	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X425063	NMS	06/19/24 15:58	
EPA 200.7	**Zinc**	0.0100	mg/L	0.0100	0.0054		X425063	NMS	06/19/24 15:58	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X425041	SMU	06/25/24 16:11	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X425041	SMU	06/25/24 16:11	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X425041	SMU	06/25/24 16:11	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X425041	SMU	06/25/24 16:11	
EPA 200.8	Uranium	< 0.000100	mg/L	0.000100	0.000052		X425041	SMU	06/25/24 16:11	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X425106	MAC	06/25/24 14:53	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X424161	DD	06/12/24 13:46	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X424184	JPM	06/14/24 11:48	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X425016	JPM	06/18/24 11:15	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X426131	DD	06/26/24 15:39	H1
SM 2310 B	**Acidity to pH 8.3**	-62.3	mg/L as CaCO3	10.0			X425195	MWD	06/21/24 09:00	
SM 2320 B	**Total Alkalinity**	56.6	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:32	
SM 2320 B	**Bicarbonate**	56.6	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:32	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:32	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X425075	MWD	06/18/24 16:32	
SM 2540 C	**Total Diss. Solids**	138	mg/L	10			X424165	TJL	06/14/24 14:20	
SM 2540 D	**Total Susp. Solids**	6.0	mg/L	5.0			X424166	TJL	06/14/24 15:30	
SM 4500 H B	**pH @19.3°C**	6.5	pH Units				X425075	MWD	06/18/24 16:32	H5

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: **X4F0175**
Reported: 28-Jun-24 14:29

Client Sample ID: **GVMW-4A**
SVL Sample ID: **X4F0175-05 (Ground Water)**

Sampled: 11-Jun-24 13:52
Received: 12-Jun-24
Sampled By: PB

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.04	mg/L	0.20	0.02		X424154	RS	06/13/24 00:36	
EPA 300.0	**Fluoride**	0.130	mg/L	0.100	0.017		X424154	RS	06/13/24 00:36	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X424154	RS	06/13/24 00:36	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X424154	RS	06/13/24 00:36	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X424154	RS	06/13/24 00:36	
EPA 300.0	**Sulfate as SO4**	51.3	mg/L	3.00	1.80	10	X424154	RS	06/13/24 00:53	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 2.44 meq/L Anion Sum: 2.32 meq/L C/A Balance: 2.48 % Calculated TDS: 126 TDS/cTDS: 1.09

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

Tawnya M. Hall
Project Manager Assistant

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: **X4F0175**
Reported: 28-Jun-24 14:29

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X425056	24-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X425056	24-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X425056	24-Jun-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X425063	19-Jun-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X425063	19-Jun-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X425063	19-Jun-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X425063	19-Jun-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X425063	19-Jun-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X425063	19-Jun-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X425063	19-Jun-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X425063	19-Jun-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X425063	19-Jun-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X425063	19-Jun-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X425063	19-Jun-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X425063	19-Jun-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X425063	19-Jun-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X425063	19-Jun-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X425063	19-Jun-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X425063	19-Jun-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X425063	19-Jun-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X425063	19-Jun-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X425063	19-Jun-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X425063	19-Jun-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X425063	19-Jun-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X425041	25-Jun-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X425041	25-Jun-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X425041	25-Jun-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X425041	25-Jun-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X425041	25-Jun-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X425106	25-Jun-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X424161	12-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X424184	14-Jun-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X425016	18-Jun-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X425016	20-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X426131	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X425195	21-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X425075	18-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X425075	18-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X425075	18-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X425075	18-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X424165	14-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X424166	14-Jun-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X424154	12-Jun-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X424154	12-Jun-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X424154	12-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X424154	12-Jun-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X424154	12-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X424154	12-Jun-24	

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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: **X4F0175**
Reported: 28-Jun-24 14:29

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	20.1	20.0	100	85 - 115	X425056	24-Jun-24	
EPA 200.7	Magnesium	mg/L	20.8	20.0	104	85 - 115	X425056	24-Jun-24	
EPA 200.7	Potassium	mg/L	20.7	20.0	103	85 - 115	X425056	24-Jun-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.975	1.00	97.5	85 - 115	X425063	19-Jun-24	
EPA 200.7	Barium	mg/L	0.982	1.00	98.2	85 - 115	X425063	19-Jun-24	
EPA 200.7	Beryllium	mg/L	0.987	1.00	98.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Boron	mg/L	0.978	1.00	97.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Cadmium	mg/L	0.968	1.00	96.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Calcium	mg/L	19.7	20.0	98.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Chromium	mg/L	0.992	1.00	99.2	85 - 115	X425063	19-Jun-24	
EPA 200.7	Cobalt	mg/L	0.951	1.00	95.1	85 - 115	X425063	19-Jun-24	
EPA 200.7	Copper	mg/L	0.984	1.00	98.4	85 - 115	X425063	19-Jun-24	
EPA 200.7	Iron	mg/L	9.72	10.0	97.2	85 - 115	X425063	19-Jun-24	
EPA 200.7	Lead	mg/L	0.948	1.00	94.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Lithium	mg/L	0.937	1.00	93.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Magnesium	mg/L	19.8	20.0	98.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Manganese	mg/L	0.962	1.00	96.2	85 - 115	X425063	19-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.978	1.00	97.8	85 - 115	X425063	19-Jun-24	
EPA 200.7	Nickel	mg/L	0.957	1.00	95.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Potassium	mg/L	19.5	20.0	97.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Silver	mg/L	0.0488	0.0500	97.7	85 - 115	X425063	19-Jun-24	
EPA 200.7	Sodium	mg/L	19.1	19.0	100	85 - 115	X425063	19-Jun-24	
EPA 200.7	Vanadium	mg/L	0.986	1.00	98.6	85 - 115	X425063	19-Jun-24	
EPA 200.7	Zinc	mg/L	0.978	1.00	97.8	85 - 115	X425063	19-Jun-24	
EPA 200.8	Antimony	mg/L	0.0251	0.0250	101	85 - 115	X425041	25-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0248	0.0250	99.1	85 - 115	X425041	25-Jun-24	
EPA 200.8	Selenium	mg/L	0.0241	0.0250	96.3	85 - 115	X425041	25-Jun-24	
EPA 200.8	Thallium	mg/L	0.0253	0.0250	101	85 - 115	X425041	25-Jun-24	
EPA 200.8	Uranium	mg/L	0.0252	0.0250	101	85 - 115	X425041	25-Jun-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00220	0.00200	110	85 - 115	X425106	25-Jun-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0980	0.100	98.0	90 - 110	X424161	12-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0979	0.100	97.9	90 - 110	X424184	14-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0981	0.100	98.1	90 - 110	X424184	14-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0973	0.100	97.3	90 - 110	X424184	14-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0982	0.100	98.2	90 - 110	X424184	14-Jun-24	
EPA 350.1	Ammonia as N	mg/L	0.967	1.00	96.7	90 - 110	X425016	18-Jun-24	
EPA 350.1	Ammonia as N	mg/L	0.955	1.00	95.5	90 - 110	X425016	20-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.108	0.100	108	90 - 110	X426131	26-Jun-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	860	884	97.2	95.4 - 104	X425195	21-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.80	9.93	98.7	96.4 - 105	X425075	18-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	96.4 - 105	X425075	18-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	408	397	103	96.4 - 105	X425075	18-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X424166	14-Jun-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.04	3.00	101	90 - 110	X424154	12-Jun-24	
EPA 300.0	Fluoride	mg/L	2.00	2.00	99.9	90 - 110	X424154	12-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.01	2.00	100	90 - 110	X424154	12-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.51	4.50	100	90 - 110	X424154	12-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.50	2.50	100	90 - 110	X424154	12-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X424154	12-Jun-24	

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0175**
Reported: 28-Jun-24 14:29

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X425195 - X4F0175-01	21-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	33.6	35.7	6.1	20	X425075 - X4F0175-02	18-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	33.6	35.7	6.1	20	X425075 - X4F0175-02	18-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X425075 - X4F0175-02	18-Jun-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X425075 - X4F0175-02	18-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	703	714	1.6	10	X424165 - X4F0175-03	14-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	915	916	0.1	10	X424165 - X4F0176-02	14-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X424166 - X4F0176-02	14-Jun-24	
SM 2540 D	Total Susp. Solids	mg/L	5.0	<5.0	<RL	10	X424166 - X4F0175-03	14-Jun-24	
SM 4500 H B	pH @19.2°C	pH Units	6.6	6.7	1.2	20	X425075 - X4F0175-02	18-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 Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	72.2	50.2	20.0	110	70 - 130	X425056 - X4F0175-01	24-Jun-24	
EPA 200.7	Calcium	mg/L	262	237	20.0	124	70 - 130	X425056 - X4F0285-01	24-Jun-24	
EPA 200.7	Magnesium	mg/L	27.5	6.53	20.0	105	70 - 130	X425056 - X4F0175-01	24-Jun-24	
EPA 200.7	Magnesium	mg/L	240	215	20.0	128	70 - 130	X425056 - X4F0285-01	24-Jun-24	
EPA 200.7	Potassium	mg/L	21.9	0.78	20.0	105	70 - 130	X425056 - X4F0175-01	24-Jun-24	
EPA 200.7	Potassium	mg/L	55.5	32.4	20.0	115	70 - 130	X425056 - X4F0285-01	24-Jun-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.938	<0.080	1.00	93.8	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Aluminum	mg/L	1.08	<0.080	1.00	108	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Barium	mg/L	0.935	<0.0020	1.00	93.5	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Barium	mg/L	1.15	0.0550	1.00	109	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Beryllium	mg/L	0.970	<0.00200	1.00	97.0	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Beryllium	mg/L	1.06	<0.00200	1.00	106	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Boron	mg/L	0.977	<0.0400	1.00	96.4	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Boron	mg/L	1.12	<0.0400	1.00	111	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Cadmium	mg/L	0.938	<0.0020	1.00	93.8	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Cadmium	mg/L	1.05	<0.0020	1.00	105	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Calcium	mg/L	68.9	50.8	20.0	90.7	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Calcium	mg/L	113	92.9	20.0	98.1	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Chromium	mg/L	0.971	0.0079	1.00	96.3	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Chromium	mg/L	1.08	<0.0060	1.00	108	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Cobalt	mg/L	0.915	<0.0060	1.00	91.5	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Cobalt	mg/L	1.01	<0.0060	1.00	101	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Copper	mg/L	0.962	<0.0100	1.00	95.2	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Copper	mg/L	1.07	<0.0100	1.00	107	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Iron	mg/L	9.54	<0.100	10.0	95.4	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Iron	mg/L	10.5	<0.100	10.0	105	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Lead	mg/L	0.918	<0.0075	1.00	91.8	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Lead	mg/L	1.03	<0.0075	1.00	103	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Lithium	mg/L	0.910	<0.040	1.00	91.0	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Lithium	mg/L	1.04	<0.040	1.00	104	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Magnesium	mg/L	25.2	6.66	20.0	92.8	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Magnesium	mg/L	75.4	54.9	20.0	102	70 - 130	X425063 - X4F0310-01	19-Jun-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0175**
Reported: 28-Jun-24 14:29

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	0.956	0.0245	1.00	93.1	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Manganese	mg/L	1.06	0.0191	1.00	104	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Molybdenum	mg/L	0.962	<0.0080	1.00	96.2	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Molybdenum	mg/L	1.09	<0.0080	1.00	109	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Nickel	mg/L	0.927	0.0100	1.00	91.7	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Nickel	mg/L	1.02	<0.0100	1.00	102	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Potassium	mg/L	19.7	0.73	20.0	95.0	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Potassium	mg/L	22.0	1.12	20.0	104	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Silver	mg/L	0.0476	<0.0050	0.0500	95.2	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Silver	mg/L	0.0542	<0.0050	0.0500	108	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Sodium	mg/L	42.8	25.0	19.0	93.5	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Sodium	mg/L	23.1	2.74	19.0	107	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Vanadium	mg/L	0.961	<0.0050	1.00	96.1	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Vanadium	mg/L	1.09	<0.0050	1.00	109	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.7	Zinc	mg/L	0.954	<0.0100	1.00	95.4	70 - 130	X425063 - X4F0175-01	19-Jun-24	
EPA 200.7	Zinc	mg/L	1.07	<0.0100	1.00	107	70 - 130	X425063 - X4F0310-01	19-Jun-24	
EPA 200.8	Antimony	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Antimony	mg/L	0.0244	<0.00100	0.0250	97.7	70 - 130	X425041 - X4F0269-02	25-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0260	<0.00100	0.0250	100	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Arsenic	mg/L	0.0243	<0.00100	0.0250	95.3	70 - 130	X425041 - X4F0269-02	25-Jun-24	
EPA 200.8	Selenium	mg/L	0.0241	<0.00100	0.0250	96.5	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Selenium	mg/L	0.0228	<0.00100	0.0250	89.6	70 - 130	X425041 - X4F0269-02	25-Jun-24	
EPA 200.8	Thallium	mg/L	0.0230	<0.000200	0.0250	92.1	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Thallium	mg/L	0.0243	<0.000200	0.0250	97.0	70 - 130	X425041 - X4F0269-02	25-Jun-24	
EPA 200.8	Uranium	mg/L	0.0302	0.00555	0.0250	98.7	70 - 130	X425041 - X4F0224-01	25-Jun-24	
EPA 200.8	Uranium	mg/L	0.0246	0.000198	0.0250	97.8	70 - 130	X425041 - X4F0269-02	25-Jun-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00205	<0.000200	0.00200	103	70 - 130	X425106 - X4F0251-02	25-Jun-24	
EPA 245.1	Mercury	mg/L	0.00212	<0.000200	0.00200	106	70 - 130	X425106 - X4F0228-01	25-Jun-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0820	<0.0050	0.100	82.0	79 - 121	X424161 - X4F0045-01	12-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.100	<0.0050	0.100	100	90 - 110	X424184 - X4F0175-01	14-Jun-24	
EPA 335.4	Cyanide (total)	mg/L	0.0991	<0.0050	0.100	99.1	90 - 110	X424184 - X4F0175-02	14-Jun-24	
EPA 350.1	Ammonia as N	mg/L	0.991	<0.030	1.00	99.1	90 - 110	X425016 - X4F0175-01	20-Jun-24	
EPA 350.1	Ammonia as N	mg/L	0.934	<0.030	1.00	93.4	90 - 110	X425016 - X4F0175-02	20-Jun-24	
OIA 1677	Cyanide (WAD)	mg/L	0.100	<0.0050	0.100	100	82 - 118	X426131 - X4F0175-01	26-Jun-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	18.7	15.8	3.00	96.4	90 - 110	X424154 - X4F0177-03	12-Jun-24	D2
EPA 300.0	Chloride	mg/L	69.2	65.7	3.00	0.30R>S	90 - 110	X424154 - X4F0175-01	12-Jun-24	D2,M4
EPA 300.0	Fluoride	mg/L	5.27	3.39	2.00	94.3	90 - 110	X424154 - X4F0177-03	12-Jun-24	
EPA 300.0	Fluoride	mg/L	3.87	1.86	2.00	101	90 - 110	X424154 - X4F0175-01	12-Jun-24	
EPA 300.0	Nitrate as N	mg/L	1.98	<0.050	2.00	99.0	90 - 110	X424154 - X4F0177-03	12-Jun-24	
EPA 300.0	Nitrate as N	mg/L	3.40	1.34	2.00	103	90 - 110	X424154 - X4F0175-01	12-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.01	<0.100	4.00	100	90 - 110	X424154 - X4F0177-03	12-Jun-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.46	1.34	4.00	103	90 - 110	X424154 - X4F0175-01	12-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.03	<0.050	2.00	101	90 - 110	X424154 - X4F0177-03	12-Jun-24	
EPA 300.0	Nitrite as N	mg/L	2.06	<0.050	2.00	103	90 - 110	X424154 - X4F0175-01	12-Jun-24	
EPA 300.0	Sulfate as SO4	mg/L	707	719	10.0	0.30R>S	90 - 110	X424154 - X4F0177-03	12-Jun-24	D2,M4

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: **X4F0175**
Reported: 28-Jun-24 14:29

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	74.3	63.7	10.0	106	90 - 110	X424154 - X4F0175-01	12-Jun-24	D2

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	70.3	72.2	20.0	3.0	20	101	X425056 - X4F0175-01	
EPA 200.7	Magnesium	mg/L	26.7	27.5	20.0	2.9	20	101	X425056 - X4F0175-01	
EPA 200.7	Potassium	mg/L	21.2	21.9	20.0	3.0	20	102	X425056 - X4F0175-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.952	0.938	1.00	1.5	20	95.2	X425063 - X4F0175-01	
EPA 200.7	Barium	mg/L	0.976	0.935	1.00	4.4	20	97.6	X425063 - X4F0175-01	
EPA 200.7	Beryllium	mg/L	0.977	0.970	1.00	0.7	20	97.7	X425063 - X4F0175-01	
EPA 200.7	Boron	mg/L	0.990	0.977	1.00	1.3	20	97.7	X425063 - X4F0175-01	
EPA 200.7	Cadmium	mg/L	0.937	0.938	1.00	0.1	20	93.7	X425063 - X4F0175-01	
EPA 200.7	Calcium	mg/L	69.4	68.9	20.0	0.8	20	93.5	X425063 - X4F0175-01	
EPA 200.7	Chromium	mg/L	0.974	0.971	1.00	0.3	20	96.6	X425063 - X4F0175-01	
EPA 200.7	Cobalt	mg/L	0.914	0.915	1.00	0.1	20	91.4	X425063 - X4F0175-01	
EPA 200.7	Copper	mg/L	0.978	0.962	1.00	1.7	20	96.9	X425063 - X4F0175-01	
EPA 200.7	Iron	mg/L	9.76	9.54	10.0	2.2	20	97.6	X425063 - X4F0175-01	
EPA 200.7	Lead	mg/L	0.922	0.918	1.00	0.4	20	92.2	X425063 - X4F0175-01	
EPA 200.7	Lithium	mg/L	0.933	0.910	1.00	2.4	20	93.3	X425063 - X4F0175-01	
EPA 200.7	Magnesium	mg/L	25.8	25.2	20.0	2.4	20	95.9	X425063 - X4F0175-01	
EPA 200.7	Manganese	mg/L	0.973	0.956	1.00	1.8	20	94.8	X425063 - X4F0175-01	
EPA 200.7	Molybdenum	mg/L	0.957	0.962	1.00	0.5	20	95.7	X425063 - X4F0175-01	
EPA 200.7	Nickel	mg/L	0.925	0.927	1.00	0.2	20	91.5	X425063 - X4F0175-01	
EPA 200.7	Potassium	mg/L	20.2	19.7	20.0	2.5	20	97.5	X425063 - X4F0175-01	
EPA 200.7	Silver	mg/L	0.0455	0.0476	0.0500	4.6	20	90.9	X425063 - X4F0175-01	
EPA 200.7	Sodium	mg/L	43.3	42.8	19.0	1.2	20	96.1	X425063 - X4F0175-01	
EPA 200.7	Vanadium	mg/L	0.965	0.961	1.00	0.4	20	96.5	X425063 - X4F0175-01	
EPA 200.7	Zinc	mg/L	0.950	0.954	1.00	0.4	20	95.0	X425063 - X4F0175-01	
EPA 200.8	Antimony	mg/L	0.0263	0.0255	0.0250	3.3	20	105	X425041 - X4F0224-01	
EPA 200.8	Arsenic	mg/L	0.0256	0.0260	0.0250	1.6	20	98.7	X425041 - X4F0224-01	
EPA 200.8	Selenium	mg/L	0.0224	0.0241	0.0250	7.4	20	89.6	X425041 - X4F0224-01	
EPA 200.8	Thallium	mg/L	0.0232	0.0230	0.0250	0.5	20	92.6	X425041 - X4F0224-01	
EPA 200.8	Uranium	mg/L	0.0305	0.0302	0.0250	0.8	20	99.6	X425041 - X4F0224-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00208	0.00205	0.00200	1.5	20	104	X425106 - X4F0251-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0770	0.0820	0.100	6.3	11	77.0	X424161 - X4F0045-01	M2
EPA 335.4	Cyanide (total)	mg/L	0.0975	0.100	0.100	2.5	20	97.5	X424184 - X4F0175-01	
EPA 350.1	Ammonia as N	mg/L	1.01	0.991	1.00	1.9	20	101	X425016 - X4F0175-01	
OIA 1677	Cyanide (WAD)	mg/L	0.102	0.100	0.100	2.0	11	102	X426131 - X4F0175-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	68.4	69.2	3.00	1.1	20	90.6	X424154 - X4F0175-01	D2
EPA 300.0	Fluoride	mg/L	3.88	3.87	2.00	0.1	20	101	X424154 - X4F0175-01	
EPA 300.0	Nitrate as N	mg/L	3.41	3.40	2.00	0.3	20	104	X424154 - X4F0175-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	5.48	5.46	4.00	0.5	20	104	X424154 - X4F0175-01	
EPA 300.0	Nitrite as N	mg/L	2.08	2.06	2.00	0.8	20	104	X424154 - X4F0175-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0175**
Reported: 28-Jun-24 14:29

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	73.3	74.3	10.0	1.4	20	96.2	X424154 - X4F0175-01	D2

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0175**
Reported: 28-Jun-24 14:29

HOLDING TIME SUMMARY

ASTM D7237

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0175**
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
GVMW-8A	06/11/24	06/12/24	06/12/24	1	14	06/12/24	1	14	
GVMW-8B	06/11/24	06/12/24	06/12/24	1	14	06/12/24	1	14	
GVMW-7B	06/11/24	06/12/24	06/12/24	1	14	06/12/24	1	14	
GVMW-7A	06/11/24	06/12/24	06/12/24	1	14	06/12/24	1	14	
GVMW-4A	06/11/24	06/12/24	06/12/24	1	14	06/12/24	1	14	

HOLDING TIME SUMMARY

EPA 245.1

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0175**
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
GVMW-8A	06/11/24	06/12/24	06/25/24	14	28	06/25/24	14	28	
GVMW-8B	06/11/24	06/12/24	06/25/24	14	28	06/25/24	14	28	
GVMW-7B	06/11/24	06/12/24	06/25/24	14	28	06/25/24	14	28	
GVMW-7A	06/11/24	06/12/24	06/25/24	14	28	06/25/24	14	28	
GVMW-4A	06/11/24	06/12/24	06/25/24	14	28	06/25/24	14	28	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0175**
Reported: 28-Jun-24 14:29

HOLDING TIME SUMMARY

EPA 300.0

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0175**
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
GVMW-8A	06/11/24 08:38	06/12/24	06/12/24 10:41	1.1	2.0	06/12/24 20:11	1.5	2.0	
GVMW-8A	06/11/24	06/12/24	06/12/24	1	28	06/12/24	2	28	
GVMW-8A	06/11/24	06/12/24	06/12/24	1	28	06/12/24	2	28	
GVMW-8B	06/11/24 09:21	06/12/24	06/12/24 10:41	1.1	2.0	06/12/24 22:24	1.6	2.0	
GVMW-8B	06/11/24	06/12/24	06/12/24	1	28	06/12/24	2	28	
GVMW-8B	06/11/24	06/12/24	06/12/24	1	28	06/12/24	2	28	
GVMW-7B	06/11/24 11:13	06/12/24	06/12/24 10:41	1.0	2.0	06/12/24 22:57	1.5	2.0	
GVMW-7B	06/11/24	06/12/24	06/12/24	1	28	06/12/24	2	28	
GVMW-7B	06/11/24	06/12/24	06/12/24	1	28	06/12/24	2	28	
GVMW-7A	06/11/24 12:05	06/12/24	06/12/24 10:41	1.0	2.0	06/12/24 23:30	1.5	2.0	
GVMW-7A	06/11/24 12:05	06/12/24	06/12/24 10:41	1.0	2.0	06/12/24 23:47	1.5	2.0	
GVMW-7A	06/11/24	06/12/24	06/12/24	1	28	06/12/24	2	28	
GVMW-4A	06/11/24 13:52	06/12/24	06/12/24 10:41	0.9	2.0	06/13/24 00:36	1.5	2.0	
GVMW-4A	06/11/24	06/12/24	06/12/24	1	28	06/13/24	2	28	
GVMW-4A	06/11/24	06/12/24	06/12/24	1	28	06/13/24	2	28	

HOLDING TIME SUMMARY

EPA 335.4

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0175**
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
GVMW-8A	06/11/24	06/12/24	06/13/24	2	14	06/14/24	3	14	
GVMW-8B	06/11/24	06/12/24	06/13/24	2	14	06/14/24	3	14	
GVMW-7B	06/11/24	06/12/24	06/13/24	2	14	06/14/24	3	14	
GVMW-7A	06/11/24	06/12/24	06/13/24	2	14	06/14/24	3	14	
GVMW-4A	06/11/24	06/12/24	06/13/24	2	14	06/14/24	3	14	

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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0175**
Reported: 28-Jun-24 14:29

HOLDING TIME SUMMARY

EPA 350.1

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0175**
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
GVMW-8A	06/11/24	06/12/24	06/17/24	6	28	06/18/24	7	28	
GVMW-8B	06/11/24	06/12/24	06/17/24	6	28	06/18/24	7	28	
GVMW-7B	06/11/24	06/12/24	06/17/24	6	28	06/18/24	7	28	
GVMW-7A	06/11/24	06/12/24	06/17/24	6	28	06/18/24	7	28	
GVMW-4A	06/11/24	06/12/24	06/17/24	6	28	06/18/24	7	28	

HOLDING TIME SUMMARY

OIA 1677

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0175**
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
GVMW-8A	06/11/24	06/12/24	06/25/24	14	14	06/26/24	15	14	H1
GVMW-8B	06/11/24	06/12/24	06/25/24	14	14	06/26/24	15	14	H1
GVMW-7B	06/11/24	06/12/24	06/25/24	14	14	06/26/24	15	14	H1
GVMW-7A	06/11/24	06/12/24	06/25/24	14	14	06/26/24	15	14	H1
GVMW-4A	06/11/24	06/12/24	06/25/24	14	14	06/26/24	15	14	H1

HOLDING TIME SUMMARY

SM 2310 B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0175**
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
GVMW-8A	06/11/24	06/12/24	06/20/24	9	14	06/21/24	10	14	
GVMW-8B	06/11/24	06/12/24	06/20/24	9	14	06/21/24	10	14	
GVMW-7B	06/11/24	06/12/24	06/20/24	9	14	06/21/24	10	14	
GVMW-7A	06/11/24	06/12/24	06/20/24	9	14	06/21/24	10	14	
GVMW-4A	06/11/24	06/12/24	06/20/24	9	14	06/21/24	10	14	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4F0175**
Victor, CO 80860	Reported: 28-Jun-24 14:29

HOLDING TIME SUMMARY

SM 2320 B

Laboratory: **SVL Analytical, Inc.** SDG: **X4F0175**
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
GVMW-8A	06/11/24	06/12/24	06/18/24	7	14	06/18/24	7	14	
GVMW-8B	06/11/24	06/12/24	06/18/24	7	14	06/18/24	7	14	
GVMW-7B	06/11/24	06/12/24	06/18/24	7	14	06/18/24	7	14	
GVMW-7A	06/11/24	06/12/24	06/18/24	7	14	06/18/24	7	14	
GVMW-4A	06/11/24	06/12/24	06/18/24	7	14	06/18/24	7	14	

HOLDING TIME SUMMARY

SM 2540 C

Laboratory: **SVL Analytical, Inc.** SDG: **X4F0175**
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
GVMW-8A		06/12/24		2	7		1.0		
GVMW-8B		06/12/24		2	7		1.0		
GVMW-7B		06/12/24		2	7		1.0		
GVMW-7A		06/12/24		2	7		1.0		
GVMW-4A		06/12/24		2	7		1.0		

HOLDING TIME SUMMARY

SM 2540 D

Laboratory: **SVL Analytical, Inc.** SDG: **X4F0175**
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
GVMW-8A		06/12/24		2	7		1.0		
GVMW-8B		06/12/24		2	7		1.0		
GVMW-7B		06/12/24		2	7		1.0		
GVMW-7A		06/12/24		2	7		1.0		
GVMW-4A		06/12/24		2	7		1.0		

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4F0175**
Reported: 28-Jun-24 14:29

HOLDING TIME SUMMARY

SM 4500 H B

Laboratory: **SVL Analytical, Inc.**
Client: **Newmont - Cripple Creek & Victor**
SDG: **X4F0175**
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
GVMW-8A	06/11/24 08:38	06/12/24	06/18/24 08:51	7.1	0.0	06/18/24 16:11	7.4	0.0	H5
GVMW-8B	06/11/24 09:21	06/12/24	06/18/24 08:51	7.0	0.0	06/18/24 16:16	7.3	0.0	H5
GVMW-7B	06/11/24 11:13	06/12/24	06/18/24 08:51	6.9	0.0	06/18/24 16:21	7.3	0.0	H5
GVMW-7A	06/11/24 12:05	06/12/24	06/18/24 08:51	6.9	0.0	06/18/24 16:26	7.2	0.0	H5
GVMW-4A	06/11/24 13:52	06/12/24	06/18/24 08:51	6.8	0.0	06/18/24 16:32	7.2	0.0	H5

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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

P 719.689.2977
F 719.689.3254
newmont.com

Attachment 2

Surface Water Calculations

GV-06

Sample Date: 6/24/2024

Data for Calculations:		
pH	7.15	std units
Hardness	150	mg/L
Temperature	11.4	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-06 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	**7.15**
Temperature (^{o}C)	< 21.7	< 17	11.4
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	5.533	20.840	0.031
Boron	0.750	---	<0.0400
Chloride	250.000	---	5.5
Chlorine	0.011	0.019	**--**
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	0.098
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.050
Sulfate	250.000	---	81.9
Phosporus	0.110	---	**0.114**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	0.00105
Cadmium	0.00262	0.00097	<0.000100
Cadmium (T)	0.00500	---	0.000144
Chromium (III)	---	0.10331	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.01969	0.01266	0.00184
Iron	---	0.30000	**0.391**
Iron (T)	---	1.00000	**3.07**
Lead	0.10013	0.00390	<0.00020
Lead (T)	0.05000	---	0.00098
Manganese	3.41742	1.88813	0.555
Mercury (T)	---	0.00001	<0.000093
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.65984	0.07329	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00408	0.00015	<0.00008
Uranium	0.01680	0.01680	0.00141
Zinc	0.23135	0.17523	<0.0100

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

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

- Invalid results, past regulatory hold time

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

P 719.689.2977
F 719.689.3254
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Attachment 3

Sampling Logs

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

Location: BMP-16 **Date:** 6/24/24

Technician: TR **Quarter:** 2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
9:56	3.39	2161	19.5	368

Sample Method: Grab

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 64° Clear, Sunny

Signature:

Comments / Notes:

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

Location: EMP-17 **Date:** 6/24/24

Technician: JR **Quarter:** 2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
9:15	7.09	1050	16.1	227

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: Clear Sunny 64°

Signature: JR

Comments / Notes:

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

Location: EMP-17A **Date:** 6/20/24

Technician: KCR, AIS **Quarter:** Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
1205	5.29	771.1	20.5	243

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [(Y) / N]

Clear [Y / (N)]

Weather: Sunny 60°F

Signature: Tyler Reams

Comments / Notes:

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

Location: EMP -17C **Date:** 6-12-24

Technician: P. Barela **Quarter:** 2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
9:00	6.97	2705	13.1	181

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 65° windy

Signature:

Comments / Notes:

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

Location: EMP-20 **Date:** 6/24/24

Technician: JR **Quarter:** 2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
9:00	–	–	–	–

Sample Method: –

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

Turbid ~~[Y / N]~~

Clear ~~[Y / N]~~

Weather: Clear Sunny 68°

Signature: ~~[signature]~~

Comments / Notes:

DRY

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

Location: GV-02 **Date:** 6/24/24

Technician: TR **Quarter:** 2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
8:42	—	—	—	—

Sample Method: —

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

Turbid [~~Y / N~~]

Clear [~~Y / N~~]

Weather: Clear Sunny 64°

Signature:

Comments / Notes:

Flow not hight enough to Measure & Not enough Flow to Sample

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

Location: GV-06 **Date:** 6/24/24

Technician: TR **Quarter:** 2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
8:07	7.15	366.1	11.4	56

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [(Y) / N]

Clear [(Y) / (N)]

Weather: Clear Sunny 64°

Signature: JKH

Comments / Notes:

Slight Dirt

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

Location: GV-03 **Date:** 6/20/24

Technician: KLR, AK **Quarter:** Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
1035				

Sample Method: Grab - Dry

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: Sunny 60°F

Signature: Tayler Reamy

Comments / Notes:

Dry

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): ~~39.~~ 39.9
Is well Dry? NO
If so Dry at: —
Date: 6-11-24
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
1:17			7.00	73.7	6.4	6.57	71.3	
1:22	40.0	0.05	6.49	80.8	5.6	5.13	34.5	
1:27	40.05	0.05	6.44	82.1	5.8	5.55	20.5	
1:32	40.05	0	6.44	81.9	5.1	5.48	16.5	
1:37	40.1	0.05	6.44	82.1	5.3	4.86	13.5	0.28 g/m
1:42	40.2	1	6.43	81.8	5.1	4.76	10.8	
1:47	40.2	0	6.43	81.7	5.1	4.86	8.8	
1:52	40.2	0	6.43	81.7	5.2	4.81	6.7	
		total 2.5'						

Sample Method: Low Flow
Rate (gpm): ~0.07 * Flow rate at stabilization (during sample collection)
Time Start: 1:17 Time End: 1:52

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.43	±0.1	Y / N	
Conductivity	81.7	3%	Y / N	
Temp (deg C)	5.2	3%	Y / N	
Dissolved Oxyge	4.81	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	6.7	±10	Y / N	
DTW Stabilized	40.2	feet	Y / N	
Final H2O level	40.2	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) ~3

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

Weather: 67° 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:
unable to stabilize ORP
use 5 gal bucket

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

Location: GV-06 **Date:** 6/20/24

Technician: KCR, AK **Quarter:** Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
1005	7.15	1505	15.9	62

Sample Method: Grab

Oil/Gas visible [Y/(N)]

Turbid [Y/(N)]

Clear [(Y)/N]

Weather: Sunny, 57°F

Signature: Tyler Reed

Comments / Notes:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 36.35
Date: 6.11.24
Quarter: 2
Well ID: GvMW-7A
Well Depth (TD): 200 feet
Is well Dry? NO
If so Dry at:

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:30			7.44	101.5	12.3	5.14	155.2	
11:35	36.5	0.15	7.38	107.8	10.5	2.93	87.4	
11:40	36.65	0.15	7.43	114.8	7.3	3.16	7.4	
11:45	36.65	0	7.41	115.4	7.3	3.27	-15.3	
11:50	36.65	0	7.40	115.0	10.7	2.80	-32.1	0.10 4m
11:55	36.65	0	7.39	112.6	12.1	2.85	-46.7	
12:00	36.65	0	7.38	114.3	12.1	3.05	-45.0	
12:05	36.65	0	7.38	115.2	12.0	3.05	-48.7	
		total 0.3						

Sample Method: Low Flow
Rate (gpm): ~0.02 * Flow rate at stabilization (during sample collection)
Time Start: 11:30 Time End: 12:05

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.38	±0.1	Y / N	
Conductivity	115.2	3%	Y / N	
Temp (deg C)	12.0	3%	Y / N	
Dissolved Oxyge	3.05	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	-48.7	±10	Y / N	
DTW Stabilized	36.65	feet	Y / N	
Final H2O level	36.65	feet		

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

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

Weather: 65° 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): 26.9
Date: 6.11.24
Quarter: 2
Well ID: GVMW-7B
Well Depth (TD): 49
Is well Dry? NO
If so Dry at: — feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:43			6.49	307.1	8.9	12.11	177.7	
10:48	27.0	0.05	6.58	313.4	6.6	14.07	177.7	
10:53	27.0	0	6.61	314.7	6.5	13.89	178.9	
10:58	27.05	0.05	6.62	313.9	6.8	13.40	180.6	0.26 L/m (29)
11:03	27.05	0	6.62	314.1	6.6	13.28	181.7	
11:08	27.05	0	6.62	313.5	6.7	13.97	182.3	
11:13	27.05	0	6.62	312.4	6.7	13.02	182.7	
		total 0.1						

Sample Method: Low Flow
Rate (gpm): ~0.06 * Flow rate at stabilization (during sample collection)
Time Start: 10:43 Time End: 11:13

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.62	±0.1	Y / N	
Conductivity	312.4	3%	Y / N	
Temp (deg C)	6.7	3%	Y / N	
Dissolved Oxyger	13.02	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	182.7	±10	Y / N	
DTW Stabilized	27.05	feet	Y / N	
Final H2O level	27.05	feet		

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

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

Weather: 65° 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: D. Burela
Static Water Level (DTW): 127.2
Date: 6-11-24
Quarter: 2
Well ID: GVMW-8A
Well Depth (TD): 229.05 feet
Is well Dry? NO
If so Dry at: —

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
8:08			6.82	148.4	7.3	5.38	106.7	
8:13	127.25	0.05	6.91	168.7	7.0	5.02	104.4	
8:18	127.25	0	6.85	161.3	6.8	4.78	108.7	
8:23	127.25	0	6.78	144.1	7.1	5.37	113.5	0.18 L/M (262)
8:28	127.25	0	6.80	143.8	7.2	5.60	115.0	
8:33	127.25	0	6.80	143.1	7.1	5.23	116.1	
8:38	127.25	0	6.80	142.6	7.1	5.42	118.1	
		total 0.05						

Sample Method: Low Flow
Rate (gpm): ~0.04 * Flow rate at stabilization (during sample collection)
Time Start: 8:08 Time End: 8:38

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.80	±0.1	Y / N	
Conductivity	142.6	3%	Y / N	
Temp (deg C)	7.1	3%	Y / N	
Dissolved Oxyge	5.42	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Red uction	118.1	±10	Y / N	
DTW Stabilized	127.25	feet	Y / N	
Final H2O level	127.25	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: dedicated pump.

Weather: 60°, clear
Signature:

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

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

Show Calculations:
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: T. Barela
Static Water Level (DTW): 34.35
Date: 6.11.24
Quarter: 2
Well ID: GVMW-8B
Well Depth (TD): 43.35
Is well Dry? NO
If so Dry at: — feet

Time	Depth to Water: (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/l	ORP	Notes
8:56			6.69	133.5	6.4	12.53	155.7	
9:01			6.75	129.7	6.5	14.86	161.4	
9:06			6.80	127.0	6.4	13.69	164.3	0.92 4m
9:11			6.69	128.3	7.6	11.86	165.3	
9:16			6.69	131.3	7.7	11.51	167.1	
9:21			6.64	132.0	7.7	11.86	167.8	

Sample Method: 3 well V.
Rate (gpm): ~0.24 * Flow rate at stabilization (during sample collection)
Time Start: 8:56 Time End: 9:21

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.64	±0.1	Y / N	
Conductivity	132.0	3%	Y / N	
Temp (deg C)	7.7	3%	Y / N	
Dissolved Oxyge	11.86	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	167.8	±10	Y / N	
DTW Stabilized	36.45	feet	Y / N	
Final H2O level	36.45	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / N * See Field Volume Guide
If yes, required pump vol (gal): NA following stabilization
Actual vol. pumped (gal) ~6

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

Weather: 60° Clear
Signature:

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

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

Show Calculations:
43.35 - 34.35 = 9
0.1632 x 9 = 1.41
3 x 1.41 = 4.2
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): 225.5
Date: 6/17/24
Quarter: 2
Well ID: GVMW-10
Well Depth (TD): 265
Is well Dry? NO
If so Dry at: — feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1:27			6.52	238.2	14.8	8.47	149.2	
1:32	225.55	0.05	6.84	238.2	14.8	8.47	149.2	
1:37	225.55	0	6.60	407.2	10.5	2.85	90.2	
1:42	225.55	0	6.63	438	7.4	2.83	82.7	0.21 4/M
1:47	225.55	0	6.68	431.9	8.41	2.73	78.0	
1:52	225.55	0	6.72	465.4	5.4	2.81	78.8	
1:57	225.55	0	6.72	470.8	5.5	2.85	80.2	
2:02	225.55	0	6.72	473.8	5.4	2.84	79.7	
		Total 0.05'						

Sample Method: Low Flow
Rate (gpm): ~0.5 * Flow rate at stabilization (during sample collection)
Time Start: 1:24 Time End: 2:02

Final Parameter	Stabilization Guidance		Met	Comments
pH	6.72	±0.1	Y / N	
Conductivity	473.8	3%	Y / N	
Temp (deg C)	5.4	3%	Y / N	
Dissolved Oxyge	2.84	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	79.7	±10	Y / N	
DTW Stabilized	225.55	feet	Y / N	
Final H2O level	225.55	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)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse w/ liquinox

Weather: 72° clear, sunny
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: R. Barela
Static Water Level (DTW): 92
Date: 6-12-24
Quarter: 2
Well ID: GvMW-15A
Well Depth (TD): 820
Is well Dry? NO
If so Dry at: — feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/l	ORP	Notes
12:02			6.25	120.6	12.1	5.66	86.1	
12:07	92.5	0.5	6.38	120.9	9.9	5.44	57.6	
12:12	92.6	0.1	6.40	121.2	8.6	5.42	45.3	
12:17	92.6	0	6.41	121.2	7.9	5.34	40.7	0.27 gpm (95)
12:22	92.75	0.15	6.43	121.4	5.6	5.07	33.9	
12:27	93.1	0.35	6.44	121.4	6.4	4.38	27.3	
12:32	93.2	0.1	6.42	121.3	6.8	4.36	25.5	
		Total, 1.2						

Sample Method: Low Flow
Rate (gpm): ~0.07 * Flow rate at stabilization (during sample collection)
Time Start: 12:02 Time End: 12:32

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.42	±0.1	Y / N	
Conductivity	121.3	3%	Y / N	
Temp (deg C)	6.8	3%	Y / N	
Dissolved Oxyge	4.36	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	25.5	±10	Y / N	
DTW Stabilized	93.2	feet	Y / N	
Final H2O level	93.2	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N * See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 1.57 Actual vol. pumped (gal): ~3

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

Weather: 70°. clear, windy
Signature:

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

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

Show Calculations:
NOT rep. of aquafer.
unable to stabalize
water level, Temp, ORP, DO & 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): 81.6
Date: 6-12-24
Quarter: 2
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
10:45			4.51	361.6	8.2	6.72	118.7	
10:50	81.7	0.1	4.54	223.5	8.7	5.67	115.5	
10:55	81.7	0	4.60	180.3	8.8	5.37	112.5	
11:00	81.7	0	4.60	154.5	9.3	5.21	110.4	
11:05	81.7	0	4.54	151.0	9.4	4.80	108.6	0.07 L/m (77)
11:10	81.7	0	4.58	145.9	11.3	4.49	110.7	
11:15	81.7	0	4.57	146.1	11.4	4.19	114.4	
11:20	81.7	0	4.58	143.5	8.8	4.61	115.1	
11:25	81.7	0	4.58	143.7	8.9	4.58	113.5	
11:30	81.7	0	4.58	143.2	8.9	4.38	112.7	
		10 gal						
		0.1						

Sample Method: Low Flow
Rate (gpm): 0.01 * Flow rate at stabilization (during sample collection)
Time Start: 10:45 Time End: 11:30

Final Parameter	Stabilization Guidance		Met?	Comments
pH	4.58	±0.1	Y / N	
Conductivity	143.2	3%	Y / N	
Temp (deg C)	8.9	3%	Y / N	
Dissolved Oxygen	4.38	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	112.7	±10	Y / N	
DTW Stabilized	81.7	feet	Y / N	
Final H2O level	81.7	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) If yes, required pump vol (gal): — Actual vol. pumped (gal) ~1.5
* 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: 68°, clear, 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):
Is well Dry? yes
If so Dry at: 419 feet

Date: 6-12-24
Quarter: 2
Well ID: GVMW-15C
Well Depth (TD): 419

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
2:15								
				DRY				

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

Final Parameter	Stabilization Guidance		Met?	Comments
pH		±0.1	Y / N	
Conductivity		3%	Y / N	
Temp (deg C)		3%	Y / N	
Dissolved 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: Y / N
Turbid? Y / N
Equipment Decontaminated: Y / N
Decontamination procedure used: use sonde

Weather:
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 3.35
Date: 6-5-24
Quarter: 2
Well ID: GV MW-22A
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
12:00			7.80	575.8	9.5	6.49	138.1	
12:05	3.4	0.05	7.81	571.3	6.7	6.72	132.8	
12:10	3.5	0.1	7.83	570.2	7.4	6.37	120.5	
12:15	3.55	0.05	7.82	567.3	8.4	5.69	112.1	
12:20	3.6	0.05	7.80	566.4	10.7	4.96	105.4	0.12 L/m (11)
12:25	3.6	0	7.79	566.7	10.8	4.80	99.7	
12:30	3.6	0	7.78	567.7	10.8	4.57	94.1	
12:35	3.6	0	7.78	567.3	10.8	4.44	92.3	
		Total 0.5						

Sample Method: Low Flow
Rate (gpm): ~ 0.03 * Flow rate at stabilization (during sample collection)
Time Start: 12:00 Time End: 12:35

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.78	±0.1	Y / N	
Conductivity	567.3	3%	Y / N	
Temp (deg C)	10.8	3%	Y / N	
Dissolved Oxygen	4.44	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	92.3	±10	Y / N	
DTW Stabilized	3.6	feet	Y / N	
Final H2O level	3.6	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: 70°, Clear.
Signature:

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

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

Show Calculations:
used 5 gal buckets

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: R. Bunda
Static Water Level (DTW): 3
Is well Dry? NO
If so Dry at: —

Date: 6-5-24
Quarter: 2
Well ID: GVMW-22B
Well Depth (TD): 13 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1:07			6.72	372.1	10.8	7.77	112.4	
1:12	3.5	0.05	6.71	371.9	9.9	8.58	110.5	
1:17	3.5	0	6.71	369.9	9.8	8.33	109.8	0.05 gpm (10)
1:22	3.5	0	6.71	367.0	9.9	7.50	109.8	
1:27	3.5	0	6.70	366.9	10.0	7.54	110.6	
1:32	3.5	0	6.70	371.8	10.0	8.12	110.9	
		total 0.05						

Sample Method: LOW FLOW
Rate (gpm): ~0.02 * Flow rate at stabilization (during sample collection)
Time Start: 1:07 Time End: 1:32

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.70	±0.1	Y / N	
Conductivity	371.8	3%	Y / N	
Temp (deg C)	10.0	3%	Y / N	
Dissolved Oxyge	8.12	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	110.9	±10	Y / N	
DTW Stabilized	3.5	feet	Y / N	
Final H2O level	3.5	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

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

Weather: 70° clear
Signature:

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

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

Show Calculations:
use 5 gal bucket

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Date: 6/27/24
Technician: Trenton Reed
Quarter: 2
Static Water Level (DTW): 220.05
Well ID: GVMW-24A
Is well Dry? No
If so Dry at: —
Well Depth (TD): 250 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
8:15			7.64	916	4.9	27.3	56.2	
8:20	221.6	1.55	7.70	926	5.5	3.74	17.7	
8:25	222.0	0.4	7.72	931	5.4	2.44	-5.8	
8:30	223.5	1.5	7.73	916	5.2	2.23	-19.4	0.58 L/m
8:35	223.55	0.05	7.72	909	5.4	2.10	-33.4	
8:40	223.55	0	7.71	907	5.5	1.99	-34.5	
8:45	223.55	0	7.69	900	5.5	1.97	-35.7	
	Total							
	3.5'							

Sample Method: Low Flow
Rate (gpm): 0.15 * Flow rate at stabilization (during sample collection)
Time Start: 8:15 **Time End:** 8:45

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.69	±0.1	(Y) / N	
Conductivity	900	3%	(Y) / N	
Temp (deg C)	4.9	3%	(Y) / N	
Dissolved Oxyger	1.97	10%	(Y) / N	
Turbidity	—	10%	~~Y~~ / ~~N~~	
Oxidation/Red uction	-35.7	±10	(Y) / N	
DTW Stabilized	223.55	feet	(Y) / N	
Final H2O level	223.65	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal) following stabilization: 4.85 Actual vol. pumped (gal): ~5

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

Weather: 65° Sunny
Signature:

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

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

Show Calculations:
2.3 + 2.55 = 4.85

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Gressy valley
Technician: P. Barela
Static Water Level (DTW):
Is well Dry? Yes
If so Dry at: 100
Date: 6.5.24
Quarter: 2
Well ID: GVMW-24B
Well Depth (TD): 100 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:05								

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 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: use sounder

Weather: 54°, clear, windy
Signature:

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

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

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 40
Is well Dry? NO
If so Dry at: —
Date: 6-5-24
Quarter: 2
Well ID: GVMW-25
Well Depth (TD): 79
feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
2:00			3.98	5052	8.2	18.54	273.9	
2:05	40.15	0.15	4.02	5053	7.8	18.12	301.7	
2:10	40.15	0	4.03	5052	7.9	18.53	334.1	0.26 L/M
2:15	40.15	0	4.02	5034	7.9	19.00	358.9	
2:20	40.15	0	4.02	5043	7.8	19.08	369.8	
2:25	40.15	0	4.01	5046	7.8	20.02	392.3	
		TOFC 0.15'						

(12)

Sample Method: Low Flow
Rate (gpm): ~0.06 * Flow rate at stabilization (during sample collection)
Time Start: 2:00 Time End: 2:25

Final Parameters	Stabilization Guidance		Met?	Comments
pH	4.01	±0.1	Y / N	
Conductivity	5046	3%	Y / N	
Temp (deg C)	7.8	3%	Y / N	
Dissolved Oxyge	20.02	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	392.3	±10	Y / N	
DTW Stabilized	40.15	feet	Y / N	
Final H2O level	40.15	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) 22

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

Weather: 72° clear
Signature:

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

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

Show Calculations:
use 5 gal bucket

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

Location: BB-0605 **Date:** 6-5-24

Technician: P. Barela **Quarter:** 2

Time	pH (S.U.}	Cond. (uS/cm)	Temp. (°C)	ORP
9:30	5.04	1399	20.7	82.9

Sample Method: Grab

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 59° clear, windy

Signature:

Comments / Notes:

BB before sampling
GVMW - 26 A

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 4.75
Is well Dry? NO
If so Dry at: — feet

Date: 6-5-24
Quarter: 2
Well ID: GVMW-26A
Well Depth (TD): 70

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:49			7.48	494.7	6.1	6.59	115.5	
9:54	4.85	0.1	7.83	493.1	5.8	5.34	104.3	
9:59	4.9	0.05	7.84	491.5	6.1	5.21	92.7	
10:04	4.95	0.05	7.90	489.6	6.0	5.24	84.3	0.30 4M (11)
10:09	5.0	0.05	7.91	480.3	5.9	5.47	66.9	
10:14	5.0	0	7.91	471.2	5.9	5.40	68.9	
10:19	5.0	0	7.91	471.4	5.9	5.36	64.4	
		total 2.5						

Sample Method: Low Flow
Rate (gpm): ~0.07 * Flow rate at stabilization (during sample collection)
Time Start: 9:49 Time End: 10:19

Final Parameter	Stabilization Guidance		Met?	Comments
pH	7.91	±0.1	Y / N	
Conductivity	471.4	3%	Y / N	
Temp (deg C)	5.9	3%	Y / N	
Dissolved Oxyge	5.36	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Red uction	64.4	±10	Y / N	
DTW Stabilized	5.0	feet	Y / N	
Final H2O level	5.0	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)
Turbid? Y / (N)
Equipment Decontaminated: (Y) / N
Decontamination procedure used: Triple rinse w/ Liquinox. Collected RB before sampling
Weather: 59° Clear, windy
Signature:

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

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

Show Calculations:
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): 5
Is well Dry? NO
If so Dry at: —

Date: 6-5-24
Quarter: 2
Well ID: GVMW-126G
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
11:20	5.15	0	6.50	218.8	4.1	14.37	138.6	

DUP OF GVMW-26B

Sample Method: Low Flow
Rate (gpm): ~0.18 * Flow rate at stabilization (during sample collection)
Time Start: 10:50 Time End: 11:20

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.50	±0.1	Y / N	
Conductivity	218.8	3%	Y / N	
Temp (deg C)	4.1	3%	Y / N	
Dissolved Oxyge	14.37	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	138.6	±10	Y / N	
DTW Stabilized	5.15	feet	Y / N	
Final H2O level	5.15	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

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

Decontamination procedure used: Duplicate of GVMW-26B

Weather: 63° clear
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Bruno
Static Water Level (DTW): 5
Is well Dry? NO
If so Dry at: ~~NO~~ feet

Date: 6-5-24
Quarter: 2
Well ID: GrMW-26B
Well Depth (TD): 25

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:50			6.54	211.7	5.7	16.30	114.7	
10:55	5.05	0.05	6.54	212.5	4.5	18.84	117.7	
11:00	5.1	0.05	6.50	213.41	4.2	19.63	123.0	
11:05	5.15	0.05	6.51	216.4	4.1	16.71	130.0	~0.71 gpm
11:10	5.15	0	6.50	216.7	4.0	14.76	132.9	
11:15	5.15	0	6.50	216.3	4.0	14.13	136.4	
11:20	5.15	0	6.50	218.8	4.1	14.37	138.6	
		~~total~~ 1.5						

Sample Method: Low Flow
Rate (gpm): ~0.18 * Flow rate at stabilization (during sample collection)
Time Start: 10:50 Time End: 11:20

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.50	±0.1	Y / N	
Conductivity	218.8	3%	Y / N	
Temp (deg C)	4.1	3%	Y / N	
Dissolved Oxyge	14.37	10%	Y / N	
Turbidity	—	10%	Y / N	
Oxidation/Reduction	138.6	±10	Y / N	
DTW Stabilized	5.15	feet	Y / N	
Final H2O level	5.15	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) ~5
* See Field Volume Guide

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

Weather: 63°, Clear
Signature:

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

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

Show Calculations:
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):
Is well Dry? Yes
If so Dry at: 51.1

Date: 6-12-24
Quarter: 2
Well ID: OSAB-18
Well Depth (TD): ~~50.5~~ 51.1 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
2:20								

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

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

Weather:
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW):
Is well Dry? YES
If so Dry at: 34 feet

Date: 6-5-24
Quarter: 2
Well ID: OSABH -12
Well Depth (TD): 34

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:03								

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 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: 59°, clear, windy
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

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

Date: 6-5-24
Quarter: 2
Well ID: OSABH-14
Well Depth (TD): 28.7

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
2:35								
				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 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: USE Sounder

Weather: 72°, clear
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy Valley
Technician: P. Barela
Static Water Level (DTW): 34.85
Date: 6/17/24
Quarter: 2
Well ID: OSABH-16
Well Depth (TD): 35.7 feet

Is well Dry? NO
If so Dry at: —

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:57								
				INSUFFICIENT				
			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 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: 70° clear, sunny
Signature:

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

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

Show Calculations:

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Grassy valley
Technician: P. Barela
Static Water Level (DTW): 14
Is well Dry? NO
If so Dry at: —

Date: 6.12.24
Quarter: 2
Well ID: OSABH-17
Well Depth (TD): 30 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1:14	~~14.5~~	~~0.4~~	2.96	401.9	5.3	72.39	490.8	
1:19	14.4	0.4	3.00	411.2	4.5	68.11	502.8	
1:24	14.4	0	3.01	413.5	4.3	61.04	512.41	0.5 L/m
1:29	14.4	0	3.00	416.6	4.1	56.74	519.4	
1:34	14.45	0.05	3.01	414.9	4.1	54.70	523.3	
1:34	~~14.45~~	0	3.01	414.3	4.2	55.14	526.9	
		total, 0.45						

Sample Method: Low Flow
Rate (gpm): ~0.13 * Flow rate at stabilization (during sample collection)
Time Start: 1:14 Time End: 1:34

Final Parameter	Stabilization Guidance		Met?	Comments
pH	3.01	±0.1	Y / N	
Conductivity	414.3	3%	Y / N	
Temp (deg C)	4.2	3%	Y / N	
Dissolved Oxyge	55.14	10%	Y / N	
Turbidity		10%	Y / N	
Oxidation/Reduction	526.9	±10	Y / N	
DTW Stabilized	14.45	feet	Y / N	
Final H2O level	14.45	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
* See Field Volume Guide
If yes, required pump vol (gal): 0.27 following stabilization
Actual vol. pumped (gal) ~4

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

Weather: 74, clear, windy
Signature:

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

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

Show Calculations:
0.1 + 0.17 = 0.27 Use 5 gal bucket

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

Location: Seep-1 **Date:** 6/20/24

Technician: KCR, AK **Quarter:** Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
12:55	2.38	16.39 mS/cm	24.1	543

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [Y / (N)]

Weather: Sunny 60's °F

Signature: Kylee Reams

Comments / Notes:

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

Location: SeeP-2 **Date:** 6/20/24

Technician: KCR, AK **Quarter:** Q2

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
1315	2.23	23.55	21.9	484

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [(Y) / N]

Clear [Y / (N)]

Weather: Sunny 60s°F

Signature: Taylor Reams

Comments / Notes:

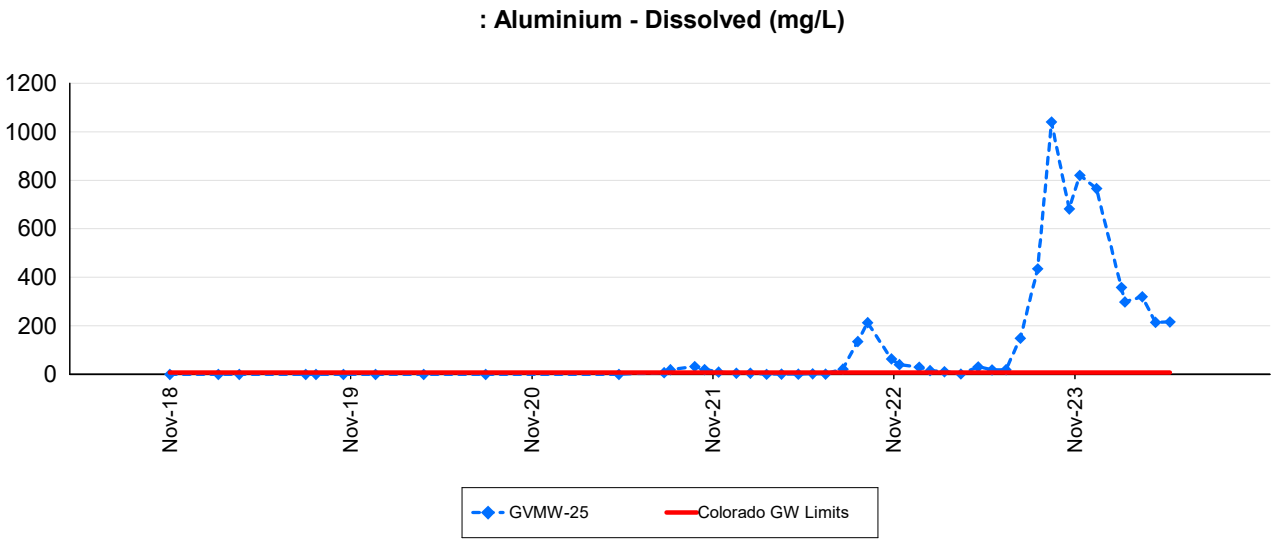
Newmont
NORTH AMERICA

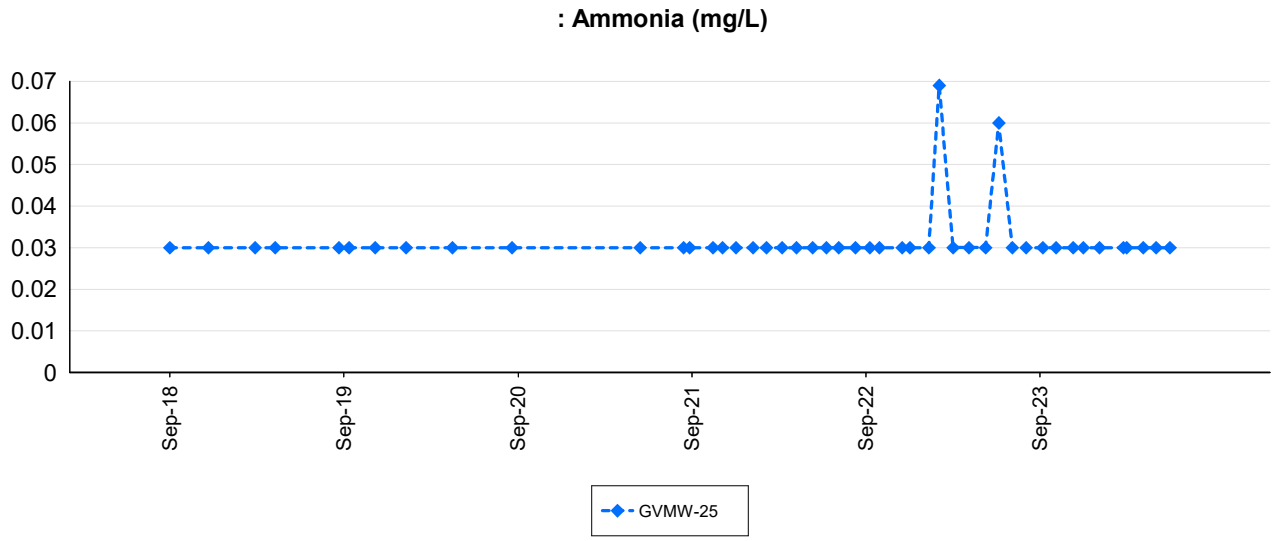
Cripple Creek & Victor
Gold Mining Company
P.O. Box 191
100 North 3rd Street
Victor, Colorado 80860

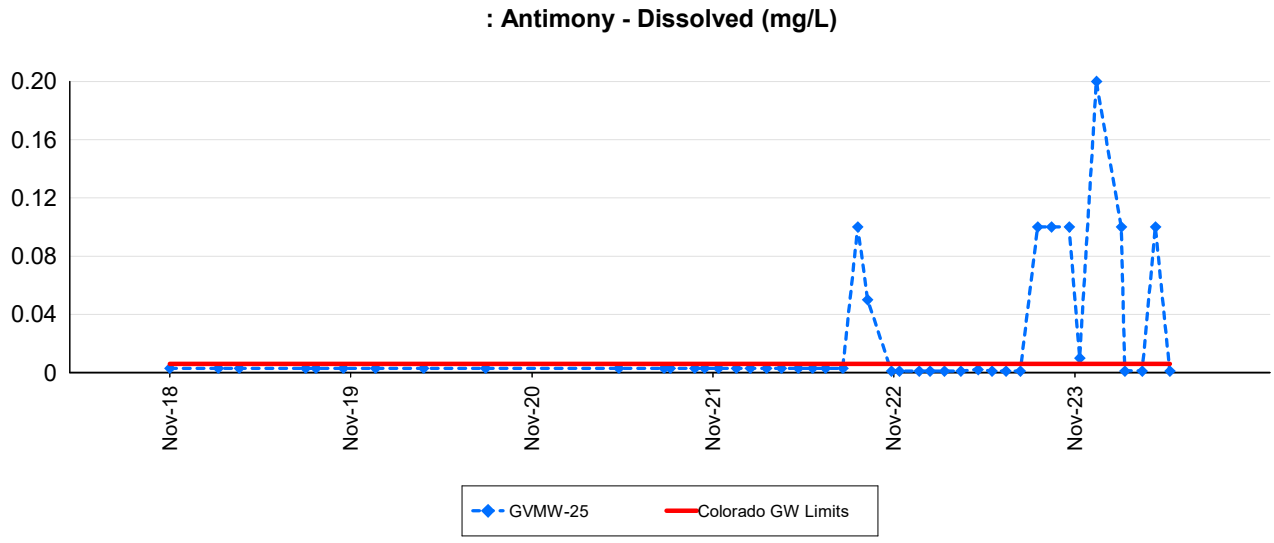
P 719.689.2977
F 719.689.3254
newmont.com

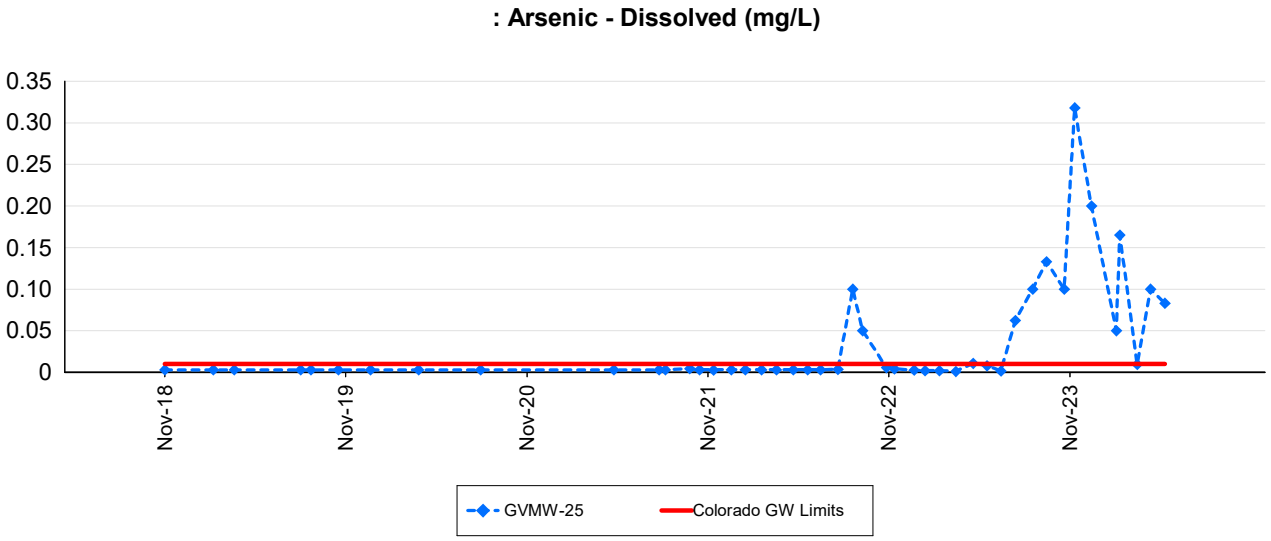
Attachment 4

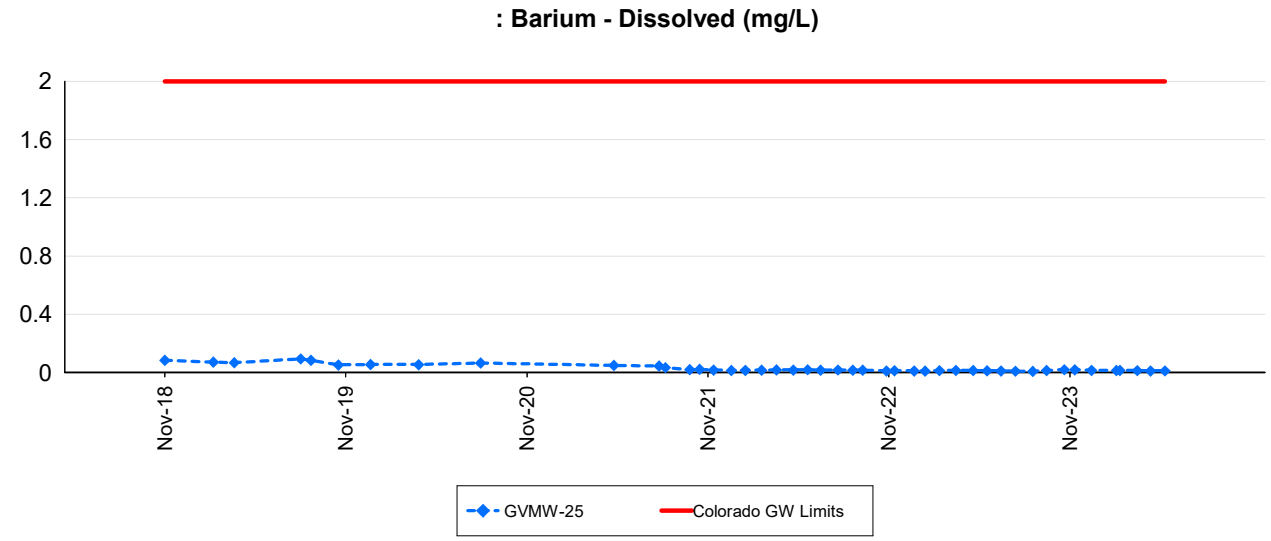
GVMW-25 Historical Graphs

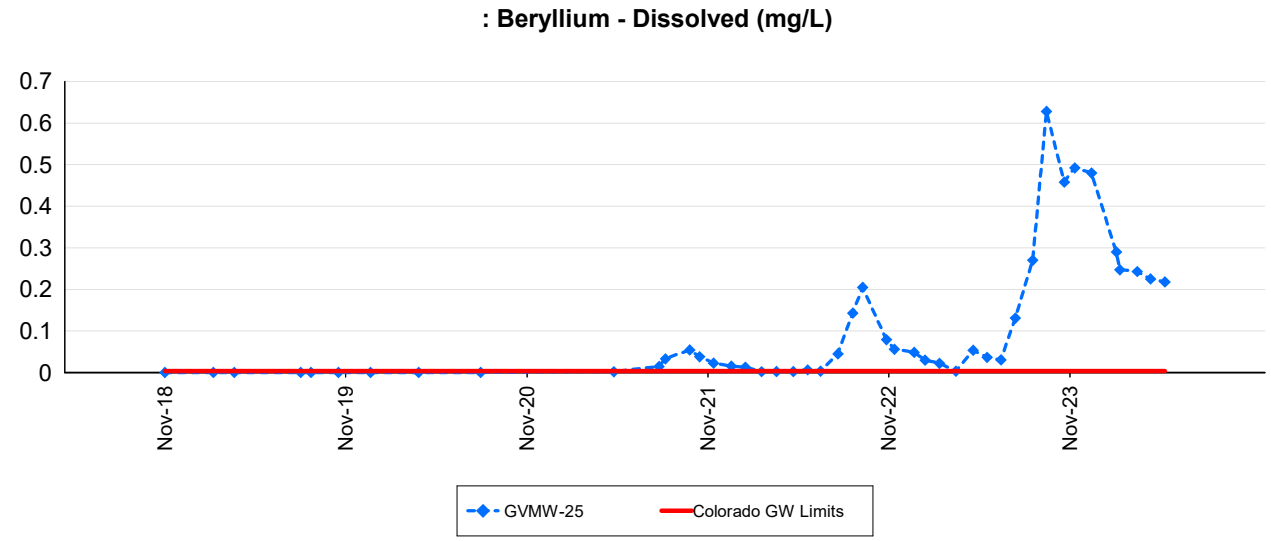


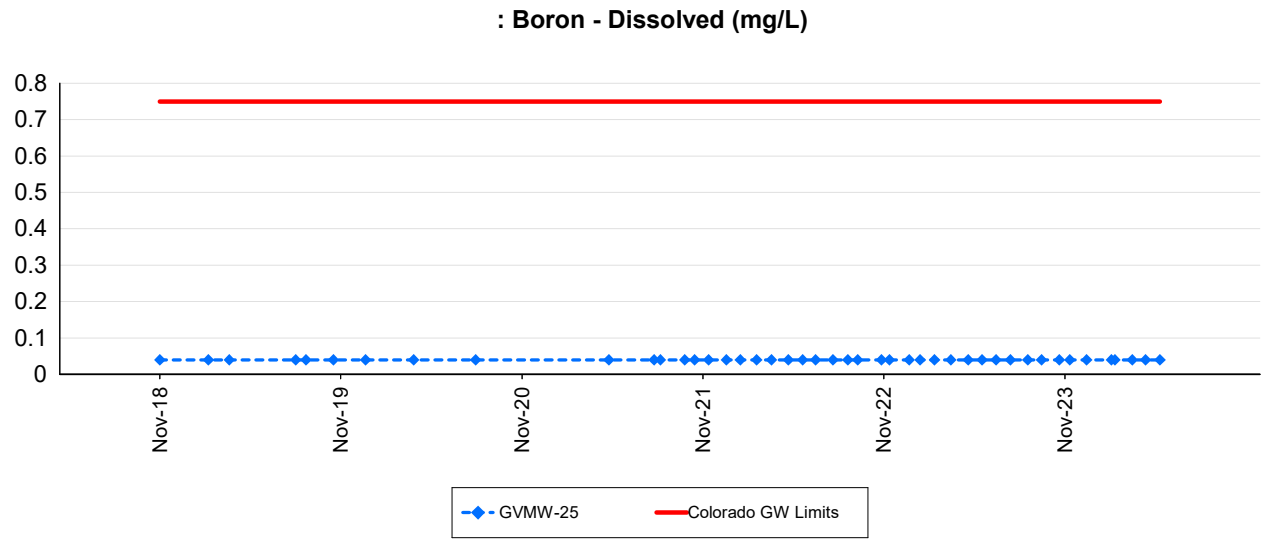


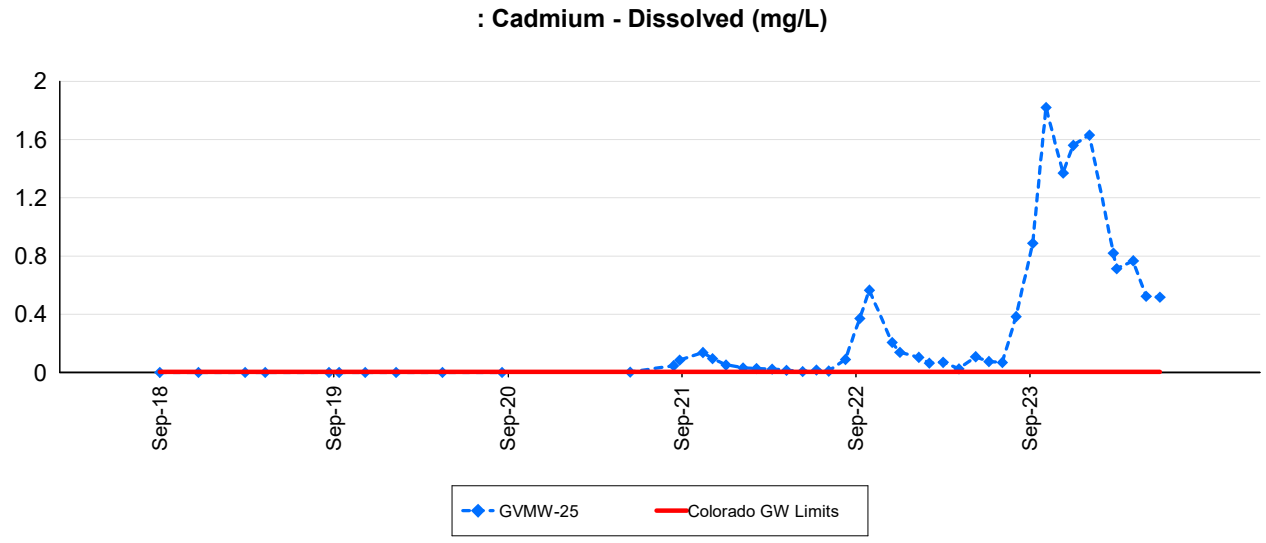


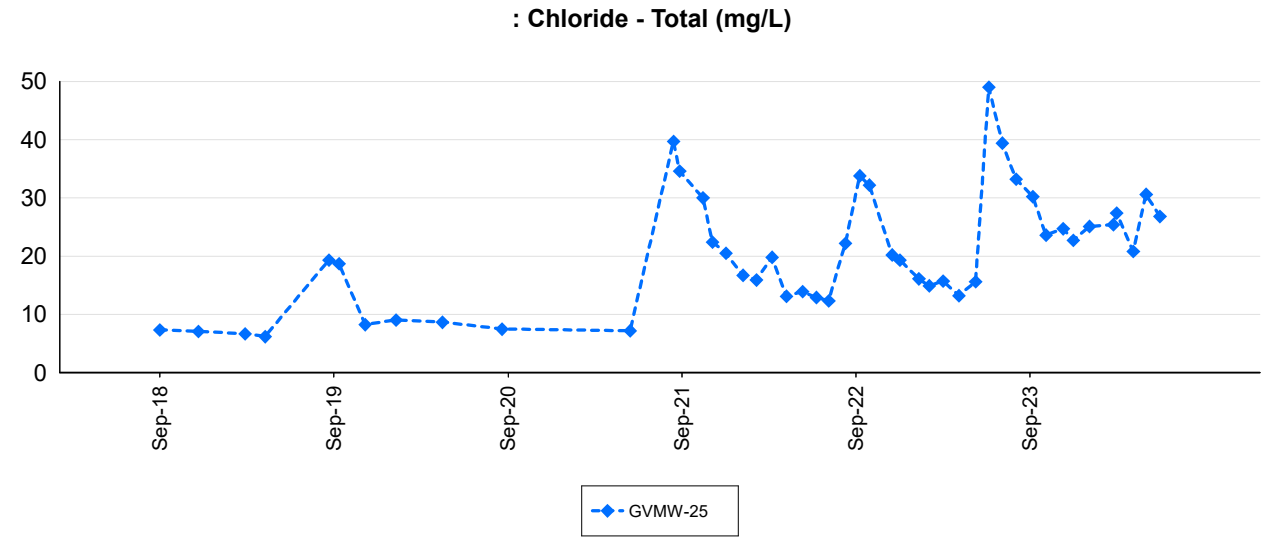


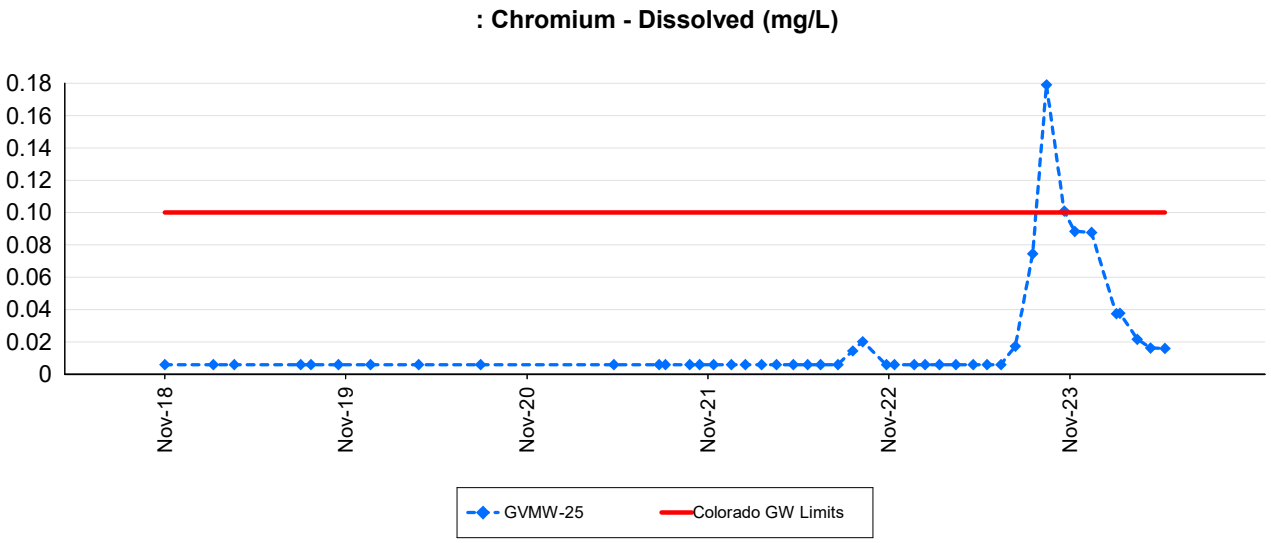


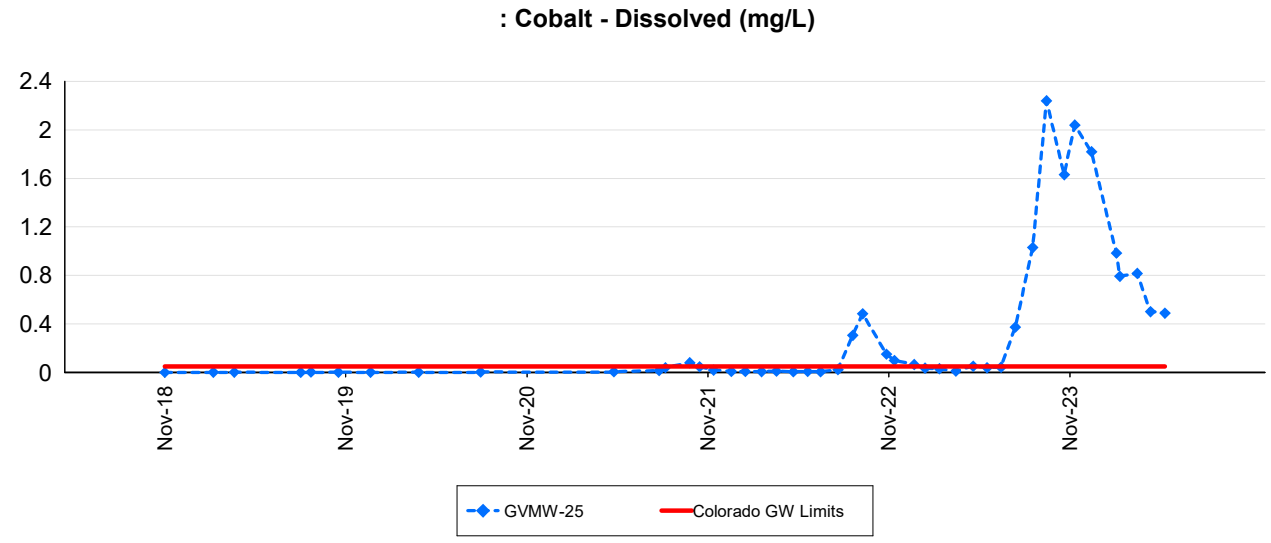


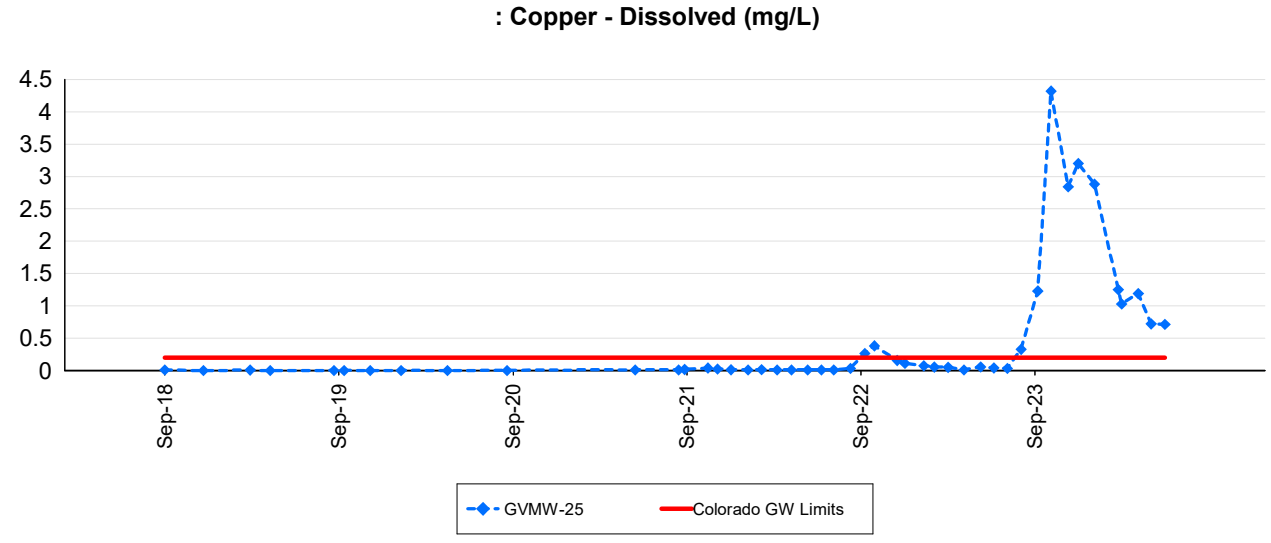


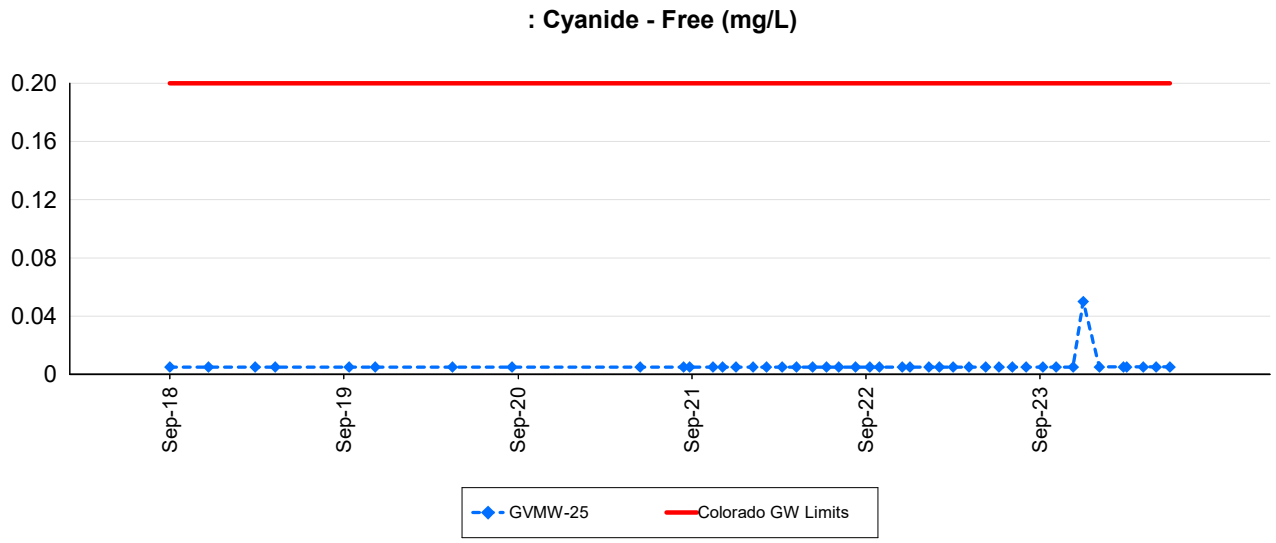


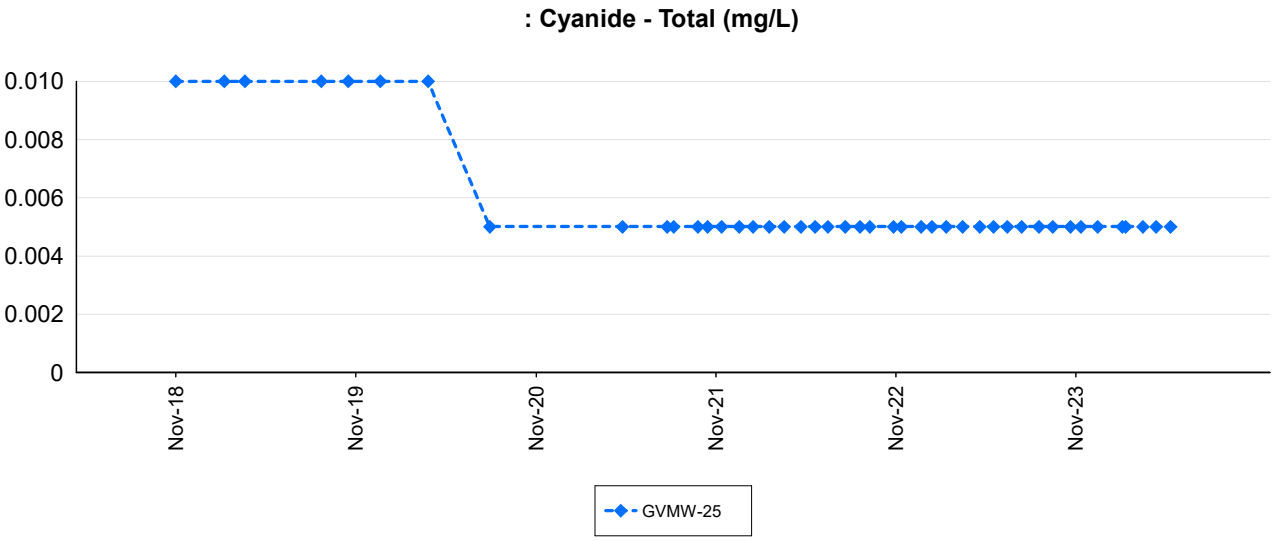


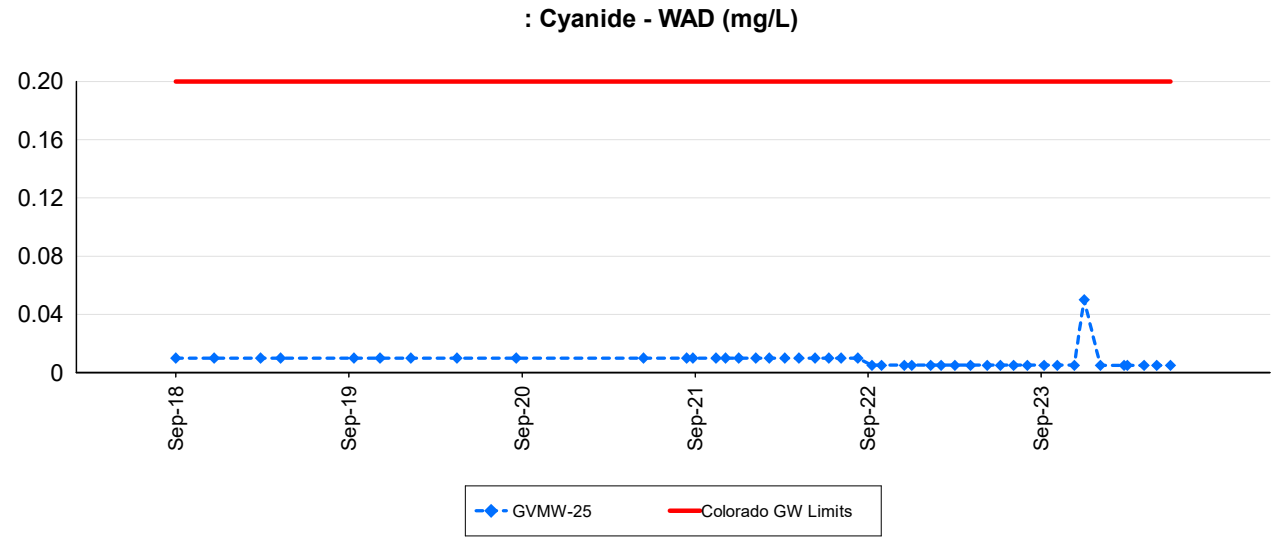


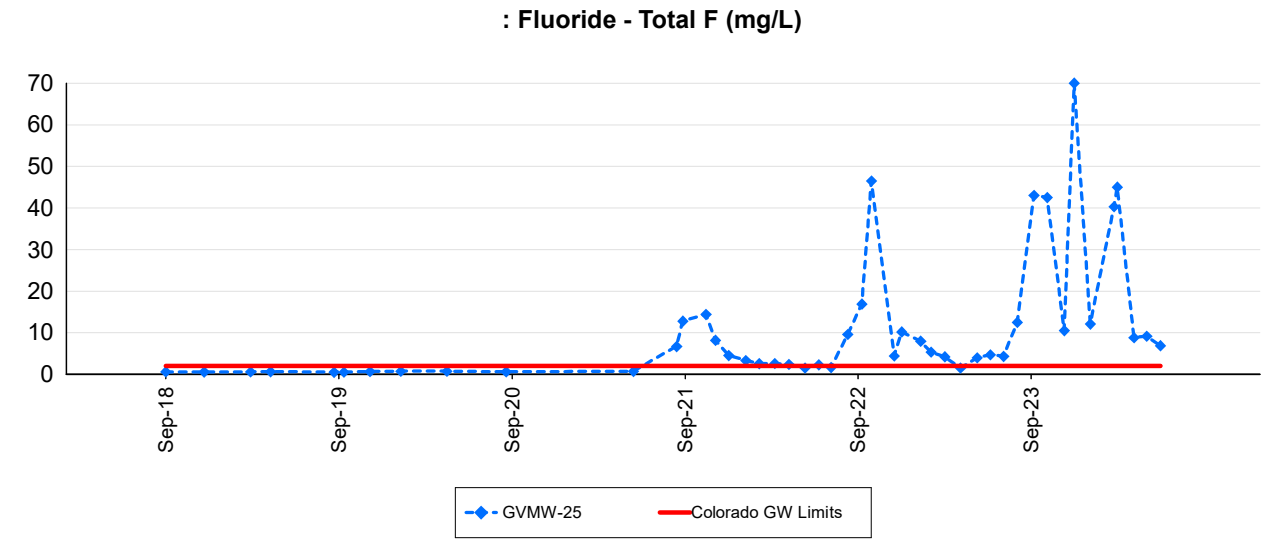


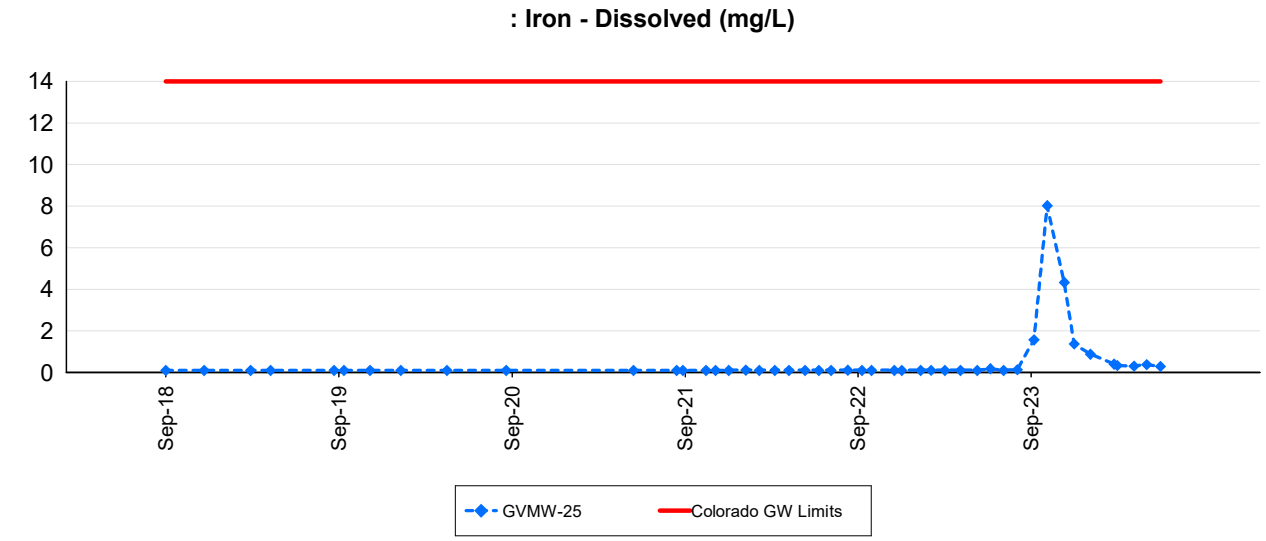


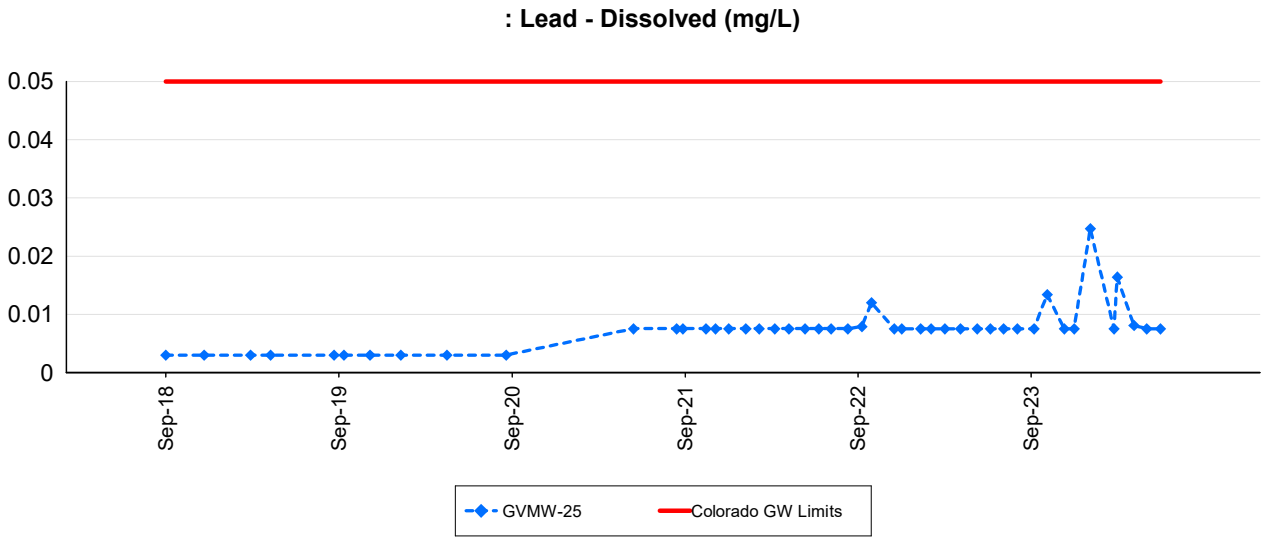


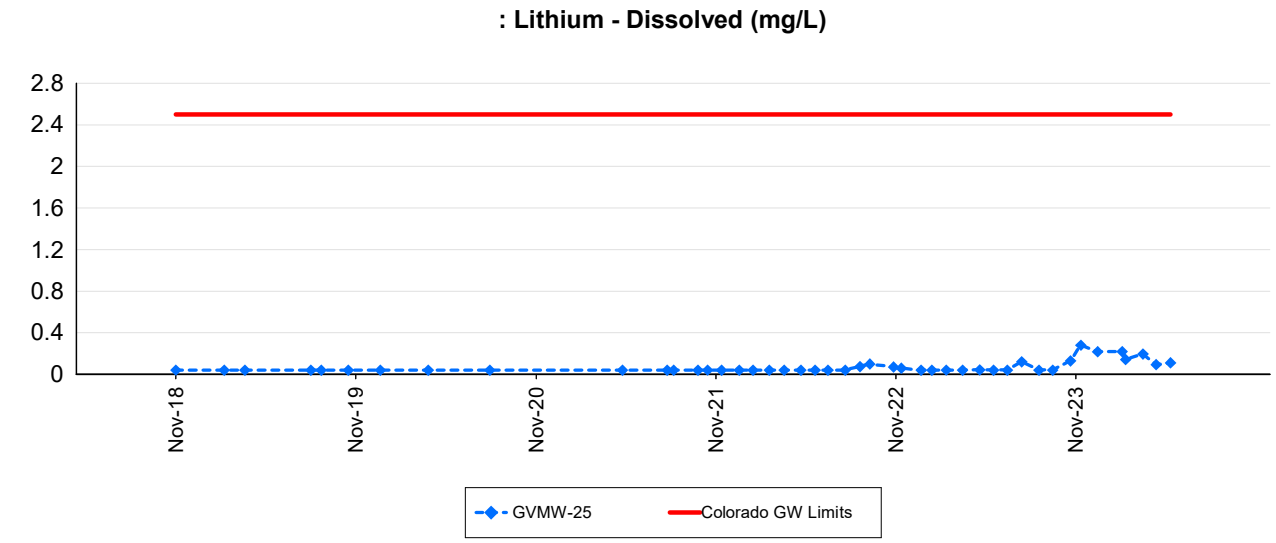


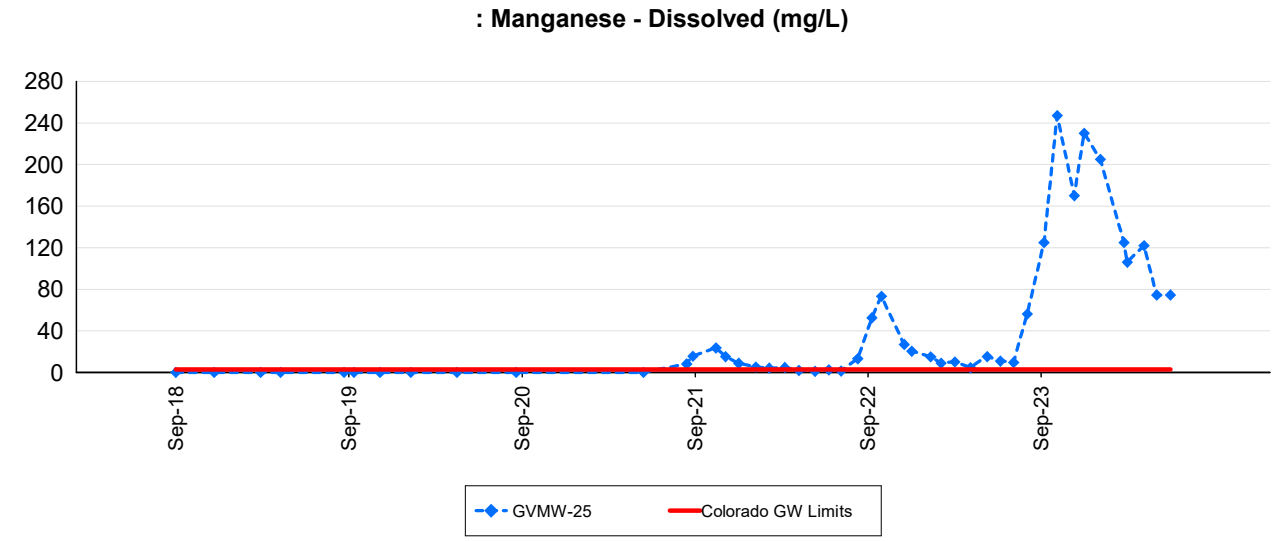


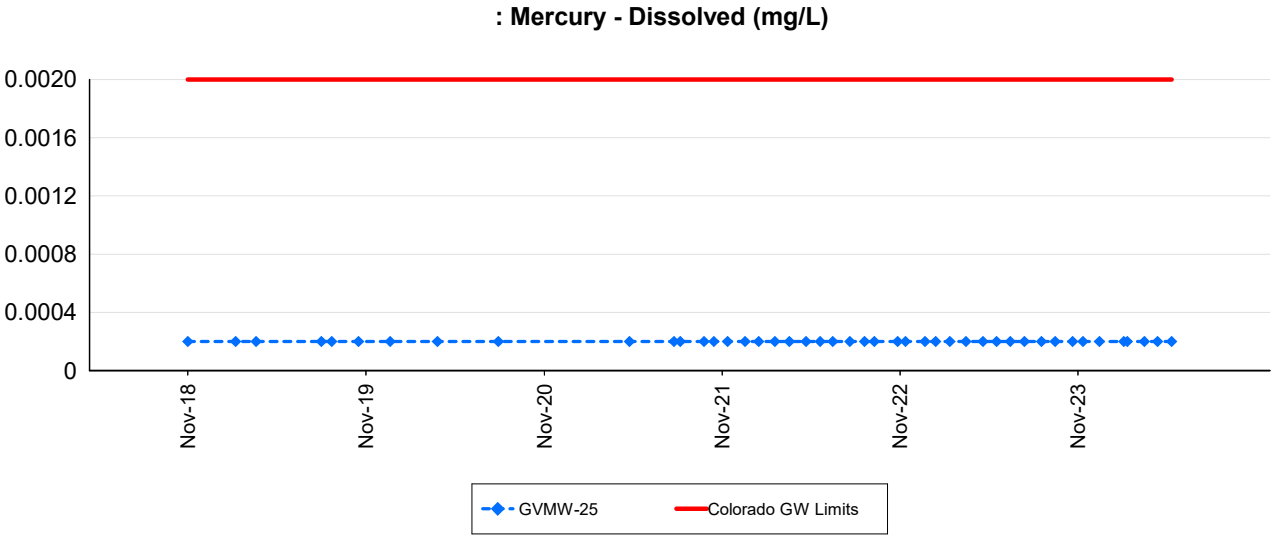


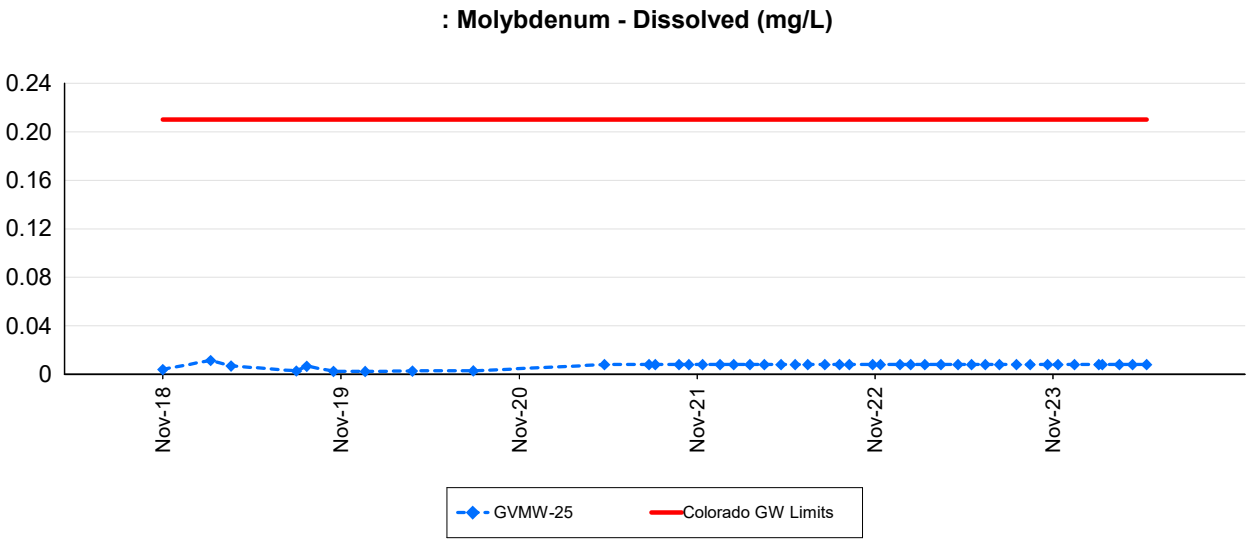


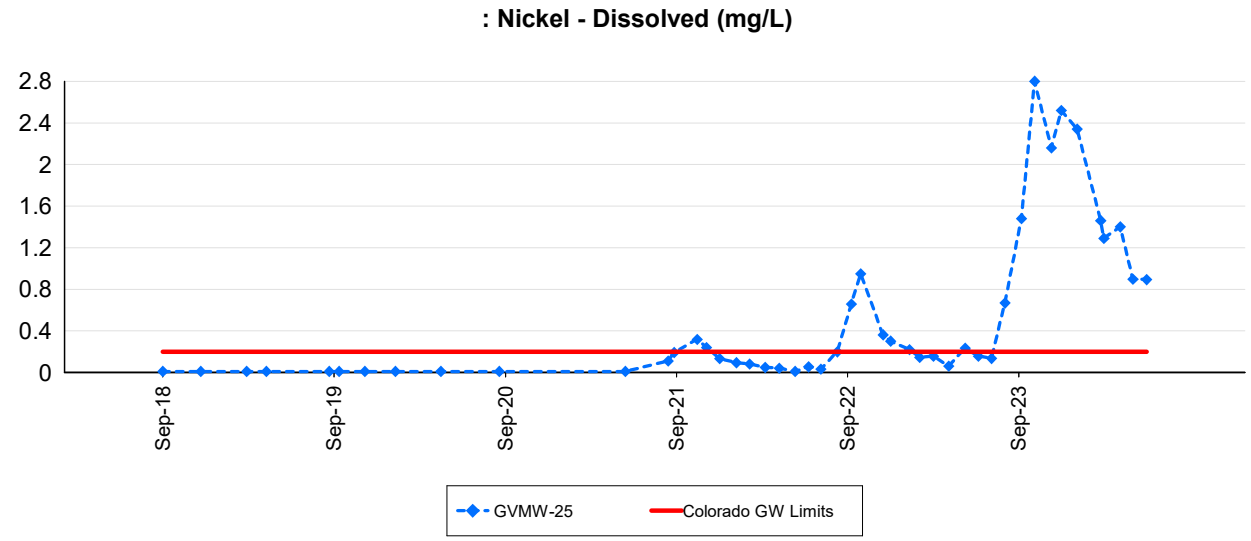


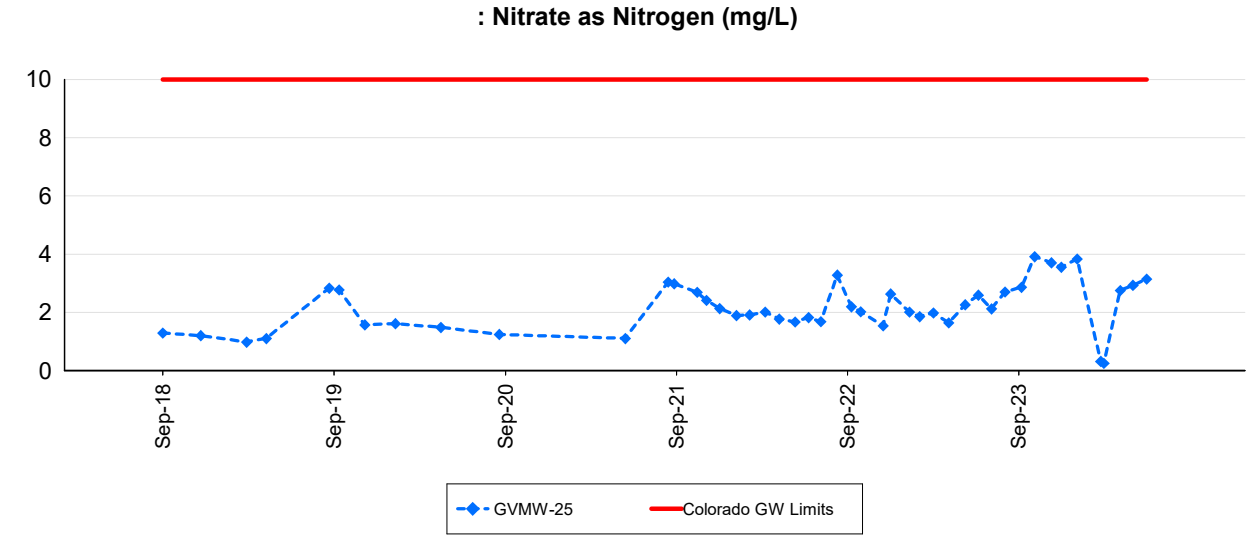




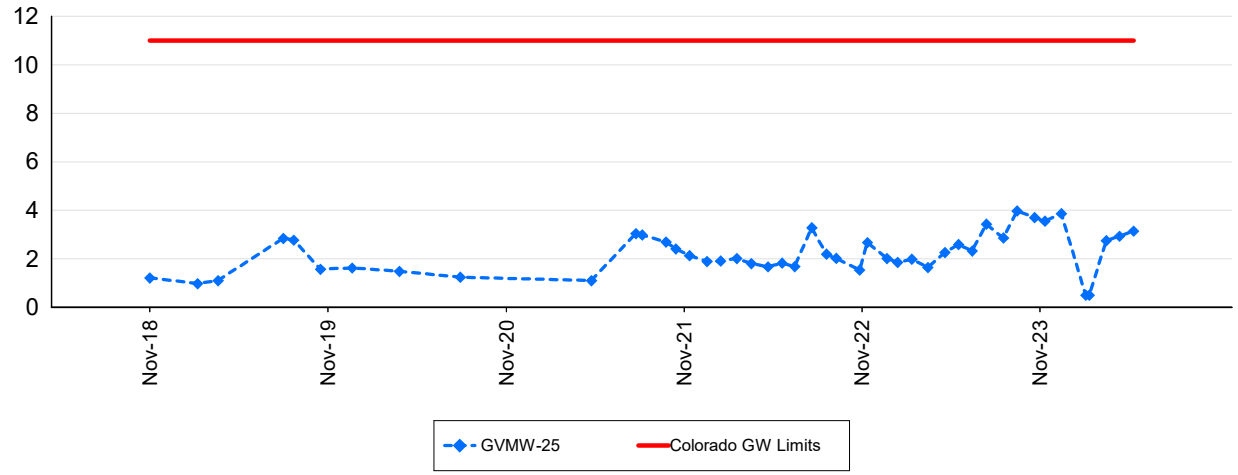




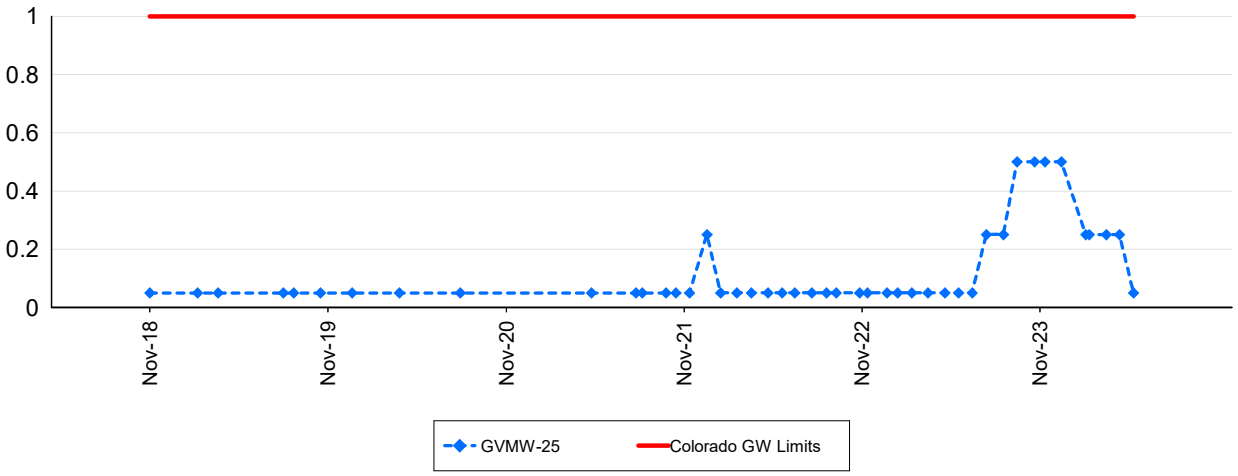




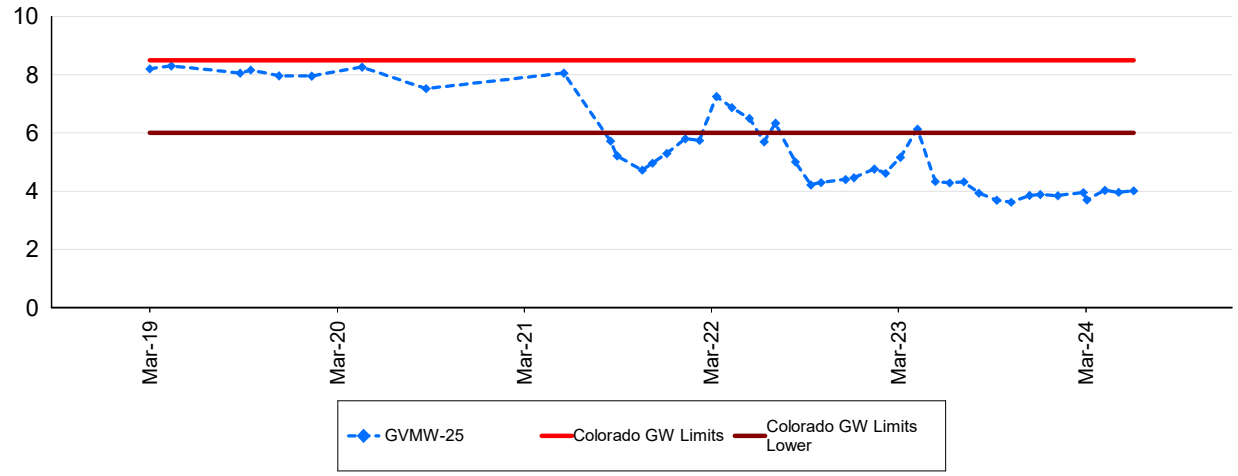
: Nitrite + Nitrate as Nitrogen (mg/L)

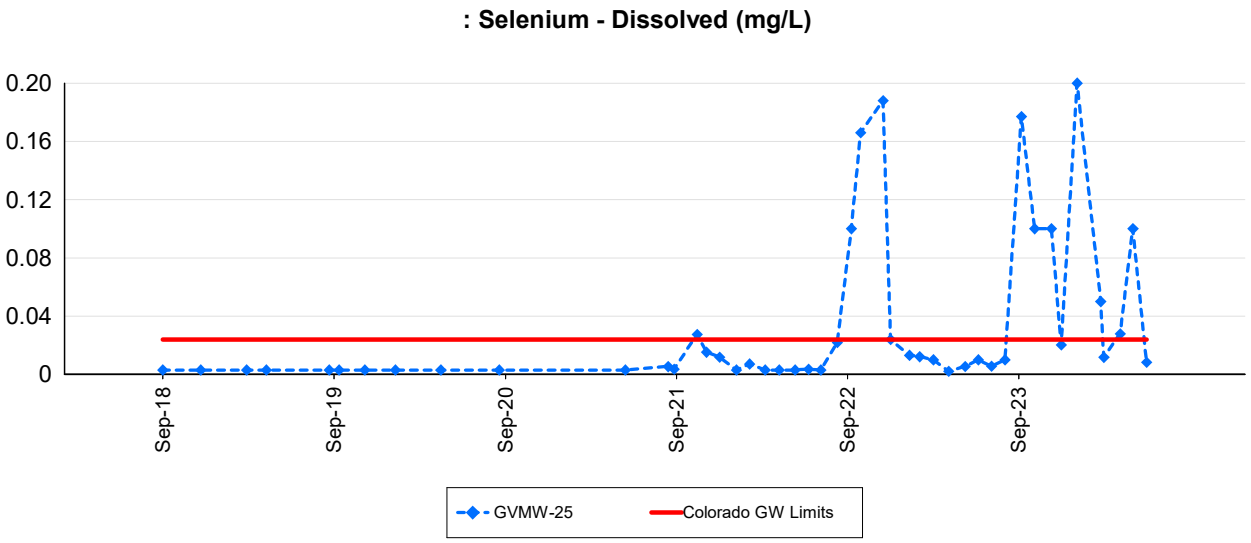


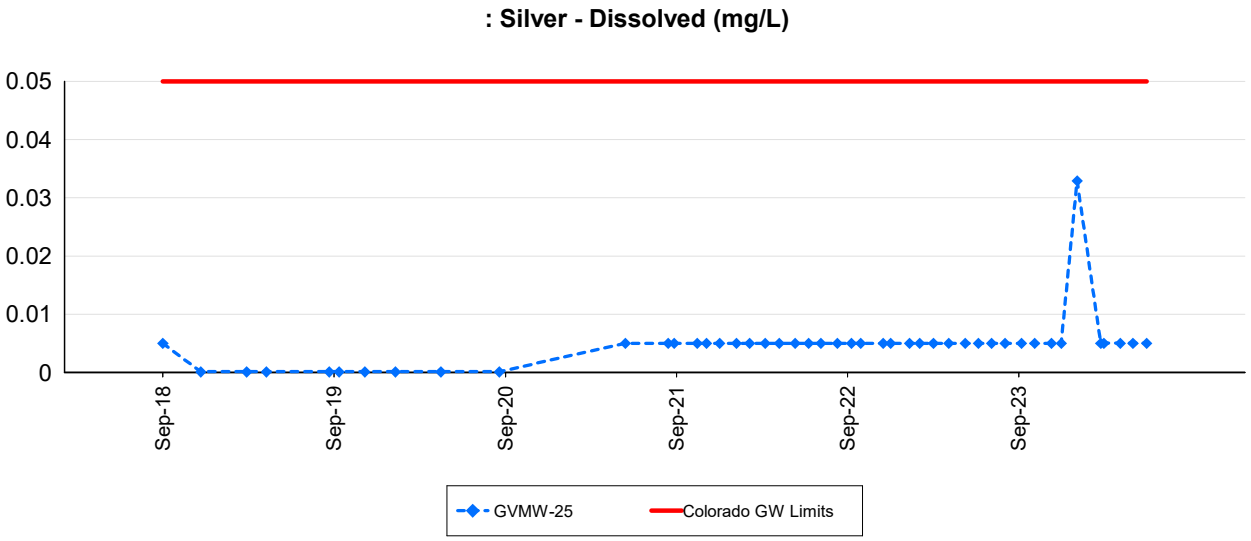
: Nitrite as Nitrogen (mg/L)

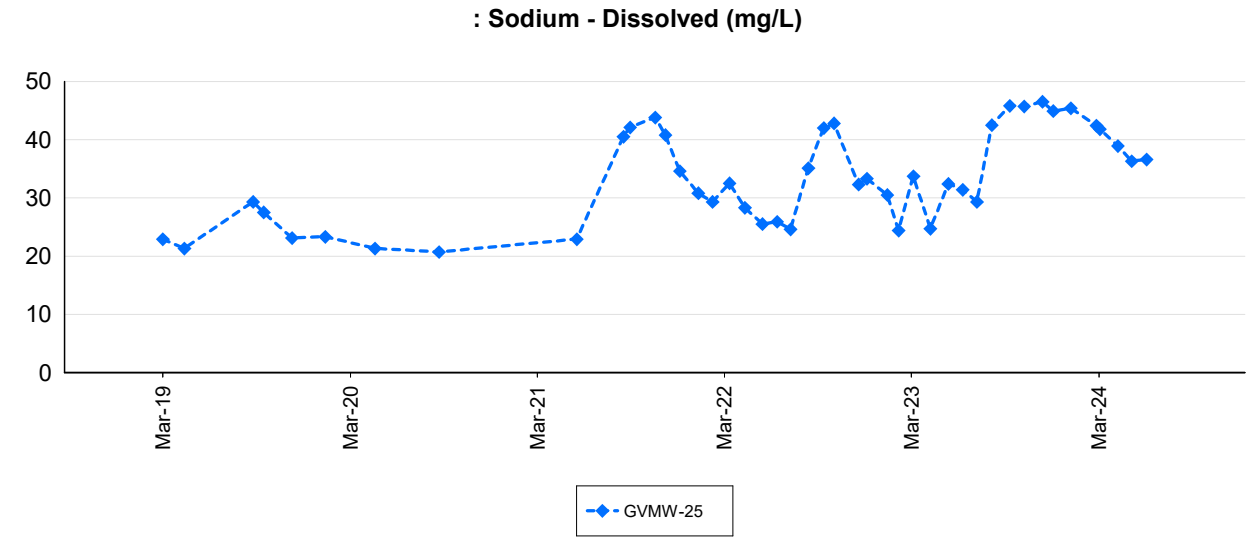


: pH Field (pH unit)

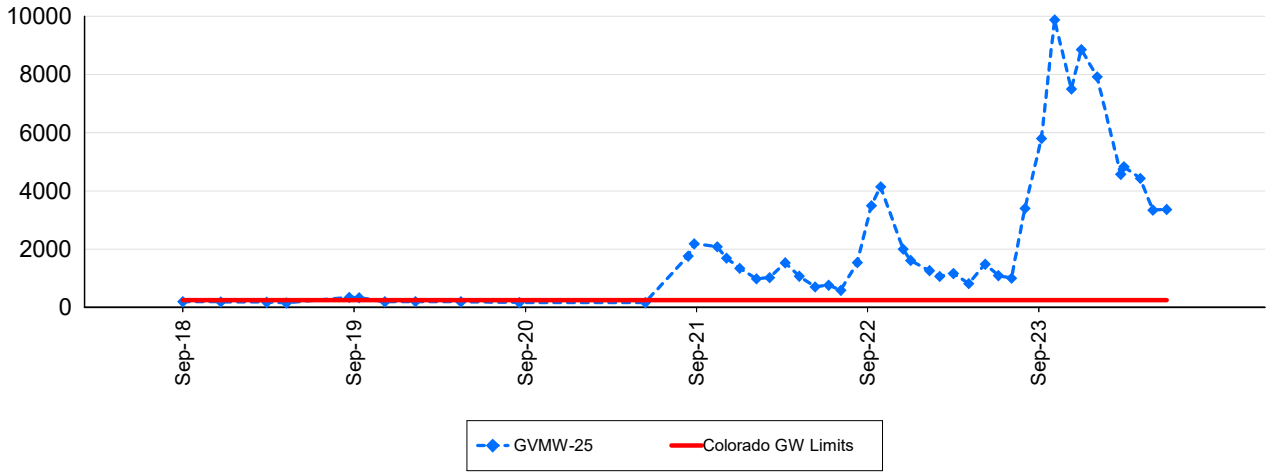




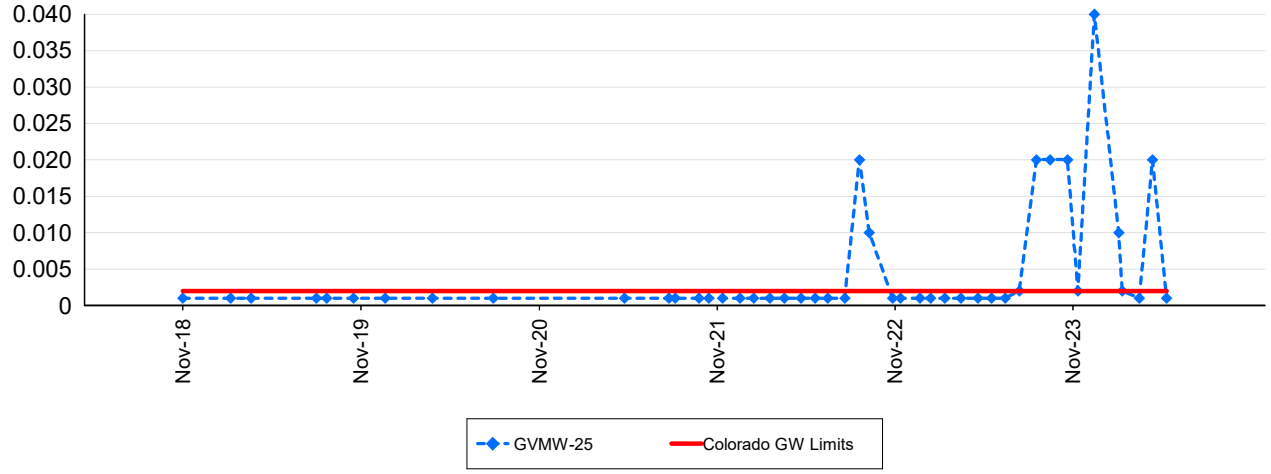




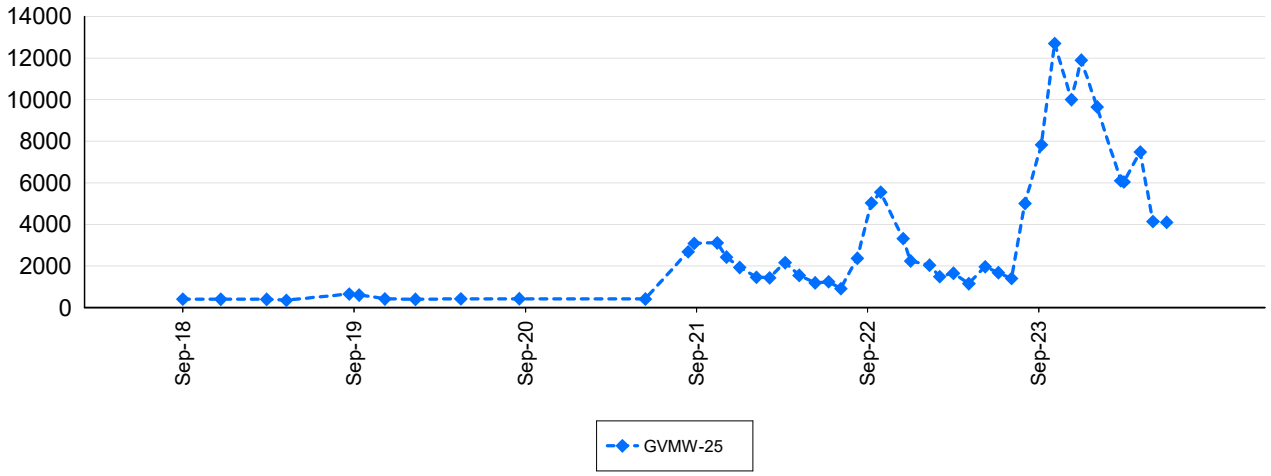
: Sulfate - Total (mg/L)



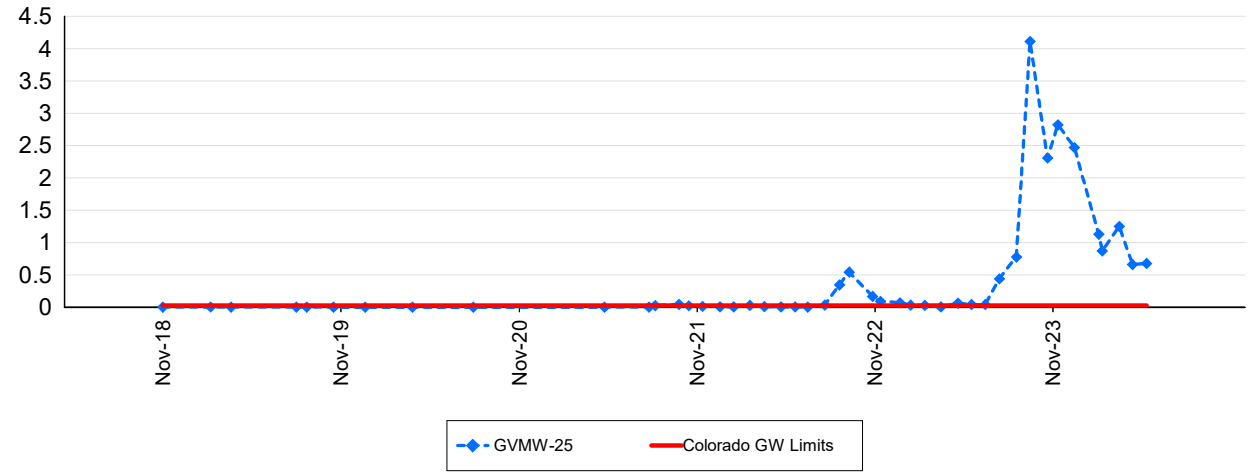
: Thallium - Dissolved (mg/L)



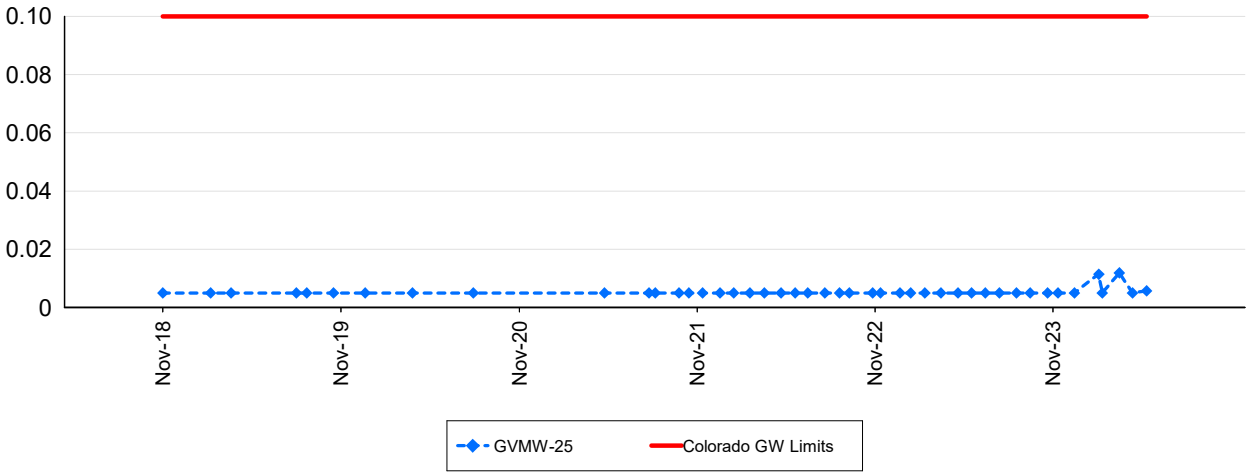
: Total Dissolved Solids (mg/L)



: Uranium - Dissolved (mg/L)



: Vanadium - Dissolved (mg/L)



: Zinc - Dissolved (mg/L)