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Cripple Creek & Victor
Gold Mining Company
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SENT VIA ELECTRONIC MAIL

January 28, 2024

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: Cresson Project Permit M-1980-244:
Ground Water Monitoring Data: 4th Quarter 2024
Surface Water Monitoring Data: 4th Quarter 2024

Dear Mr. Russell:

Cripple Creek & Victor Gold Mining Company ("CC&V") hereby provides the ground water & surface water monitoring report for the Cresson Project sampling locations for the 4th quarter (October through December) 2024.

METHODOLOGY

In the 4th quarter (Q4), CC&V monitored all accessible and applicable groundwater locations and collected all possible samples as outlined in Permit No. M-1980-244. Table 1 provides a summary of the status of each monitoring location (groundwater and surface water). Monitoring locations are displayed on Location Maps (Figures).

During the current monitoring period, CC&V was unable to collect water samples from the following monitoring locations:

- Poverty Gulch monitoring wells PGMW-2 and PGMW-4 were dry;
- Maize Gulch monitoring wells SGMW-5, SGMW-6A, SGMW-7A, SGMW-7B were dry and SGMW-8 had insufficient water to collect a sample;
- Arequa Gulch monitoring well CRMW-5A had insufficient water to collect a sample;
- Wilson Creek monitoring surface water location WCSW-01 had no observed flowing water during the quarter;
- Vindicator Valley surface water monitoring location T-2 had no observed flowing water during the quarter; and,
- Grassy Valley surface water monitoring locations GV-03 and GV-02 had no flowing water observed throughout the quarter.

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Groundwater Level Measurements

Prior to the collection of the 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.

Groundwater Sampling

CC&V utilized both dedicated pumps, deployable pumps, and disposable bailers to purge water and collect groundwater samples depending on the depth of the wells and/or locations. Samples were collected using either the low-flow, volumetric, or purge and return (low-yield) sampling methods described in the *Quality Assurance Project Plan (QAPP)* dated January 16, 2024.

Groundwater samples were collected by filling both preserved and unpreserved laboratory-supplied sample containers with the appropriate amount of water and were capped 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. The labels were attached to the appropriate sample bottle. 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) was followed as described in Section 9.5 of the QAPP.

Surface Water Sampling

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

QA/QC Samples

CC&V collected eight quality assurance/quality control (QA/QC) samples in Q4 2024. Of the QA/QC samples, 4 duplicate samples were collected from monitoring well GVMW-8A, GVMW-22A, CRMW-3C, and WCMW-3. Three rinse blanks were collected this quarter and were sent with the samples to the analytical laboratory. One trip blank sample was also collected. QA/QC samples were collected in accordance with the QAPP.

RESULTS

Groundwater and Surface Water Analytical Results

Groundwater analytical results are compared to applicable standards in Table 2. Complete laboratory analytical reports from the Q4 sampling event are included in Attachment 1 and field collected data is presented in the sampling logs as Attachment 2.

Surface water analytical results are compared to applicable standards in Attachment 3. Complete laboratory analytical reports from Q4 surface water samples are included in Attachment 1 and field collected data is presented in the sampling logs in Attachment 2.

QA/QC Sample Results

Results for the Quality Assurance/Quality Control (QA/QC) samples are included in Attachment 1. Relative percent difference (RPD) calculations completed for the duplicate monitoring well samples

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are included in Attachment 4. All the RPD calculations were less than 15% except for one outlier (38.04% for TDS in the GVMW-8A sample on 10/9/2024). This outlier likely represents normal sample variability.

DISCUSSION

Graphical representation of the trends in various analytes at the sampling locations are presented in Attachment 5.

Poverty Gulch

Data from both PGMW-3 and PGMW-5 show various elevated constituents as compared to the Table Value Standards (TVS) and/or the Site-Specific Numeric Protection Limits (NPL's). Data from these wells is consistent with previously recorded results. It should be noted that historic mining activities and the geochemical properties of the aquifer system have produced background and residual concentrations of metals and other constituents of concern within Poverty Gulch. These factors influence the water quality at the PGMW-3 and PGMW-5 locations.

Maize Gulch

Water quality data from SGMW-6B show various elevated constituents as compared to the TVSs and/or the NPL's. This data is consistent with previously recorded results. Similar to Poverty Gulch and much of the surrounding area, historic mining activities and the geochemical makeup the aquifer system within Maize Gulch influence water quality.

Arequa Gulch

Water quality observed within Arequa Gulch exhibits a regionally elevated fluoride signature and elevated sulfate concentrations at the CRMW-3 series monitoring locations. These results are consistent with previously recorded data.

The analytical results from the surface water sample collected from AG-2.0 are below the Regulation 32 standards for all constituents analyzed during this quarter. Due to a miscommunication with the analytical laboratory, not all constituents listed in Regulation 32 were analyzed during this monitoring period. Missing analytical data is denoted for the AG 2.0 sample in Attachment 3.

Wilson Creek

The water quality analytical data recorded for Q4 in the Wilson Creek drainage was compliant with applicable standards and consistent with previously reported results.

Vindicator Valley

The Q4 Vindicator Valley water quality is consistent with previously reported concentrations. Analytical results from samples collected from VIN-2A are greater than the TVS for sulfate but is below all other applicable TVSs and NPL's. Sulfate concentrations for VIN-2A are also below the established NPL value of 800 for VIN-2B. Extensive historic mining took place within Vindicator Valley and the aquifer occurs in a similar setting as previously described hydrologic basins. Both factors contribute to the water quality within Vindicator Valley.

Grassy Valley

Groundwater and surface water data collected in Grassy Valley during Q4 is presented and discussed

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extensively within the *Monthly Grassy Valley Report* submissions to DRMS. The October, November, and December reports were submitted to DRMS on 11/28/2024, 12/19/2024, and 1/23/2025, respectively,

Reported Analytical Results

Notification of Water Quality Analysis as per Rule 3, Section 3.1.7 (9) of the *Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for Hard Rock, Metal, and Designated Mining Operations* was distributed to DRMS for the following dates/locations:

- October 28, 2024, for CRMW-5B, CRMW-5C, and CRMW-5D;
- October 31, 2024, for CRMW-3A, CRMW-3B, and CRMW-3C;
- December 30, 2024, for PGMW-3; and,
- January 9, 2025, for VIN-2A.

Should you require additional information please do not hesitate to contact Josh Adams at 719-323-0438 or Joshua.Adams@Newmont.com or myself at 719-689-4048 or Katie.Blake@Newmont.com

Sincerely,

DocuSigned by:
Katie Blake
5A3D013B629844B...

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

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

File: "C:\Users\19012214\Newmont USA Limited\CC&V – S&ER Environmental - Environmental Compliance\Water\DRMS\Quarterly\Q4- 2024|Final "

Attachments:

Figures: Location Maps

Table 1: Monitoring Location Summary
Table 2: Quarter Groundwater Analytical Results

Attachment 1: Laboratory Analytical Reports
Attachment 2: Sampling Logs
Attachment 3: Surface Water Calculations
Attachment 4: RPD Calculations
Attachment 5: Graphs

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Figures

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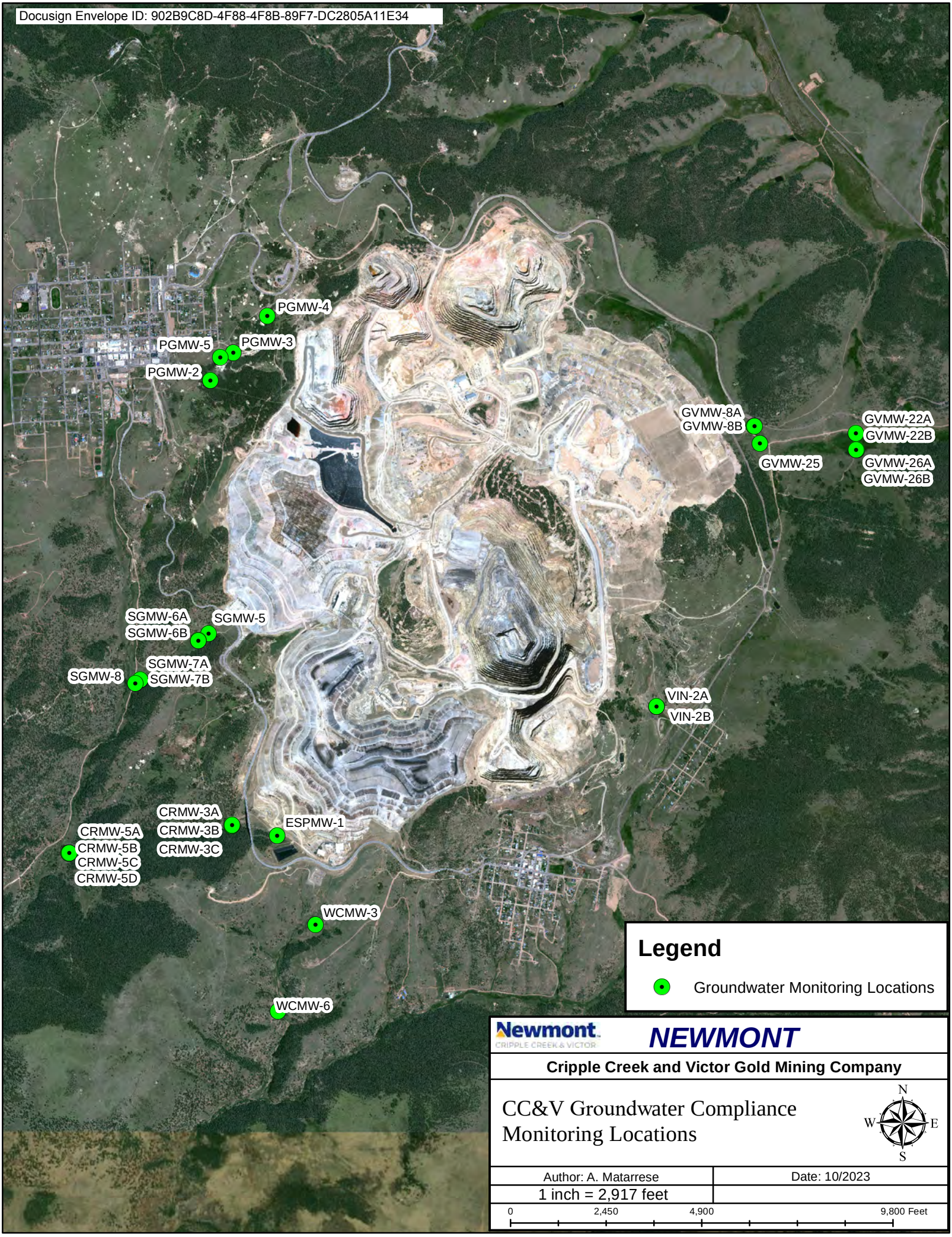

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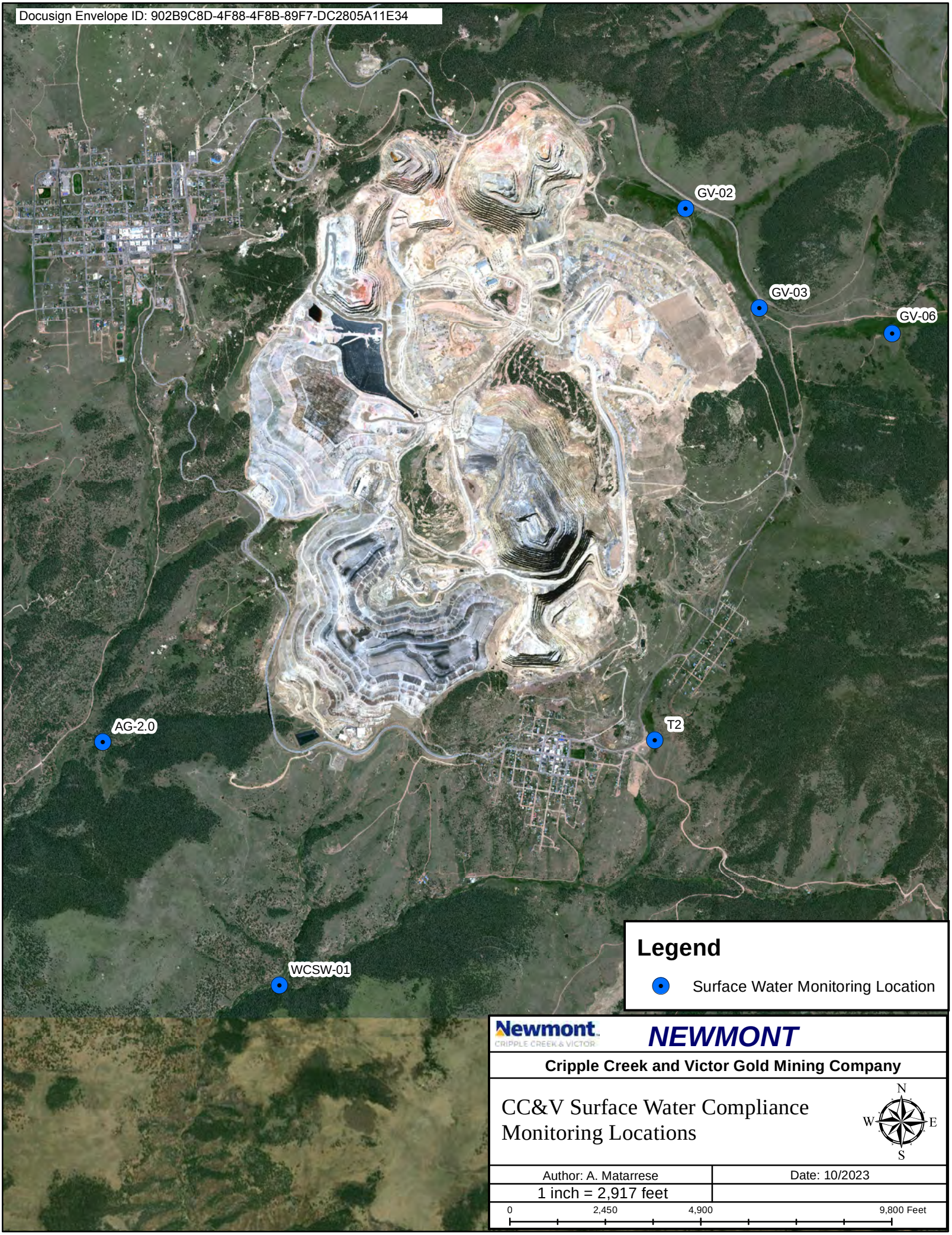

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CC&V Surface Water Compliance Monitoring Locations

N
W E
S

Author: A. Matarrese	Date: 10/2023
1 inch = 2,917 feet	

0 2,450 4,900 9,800 Feet

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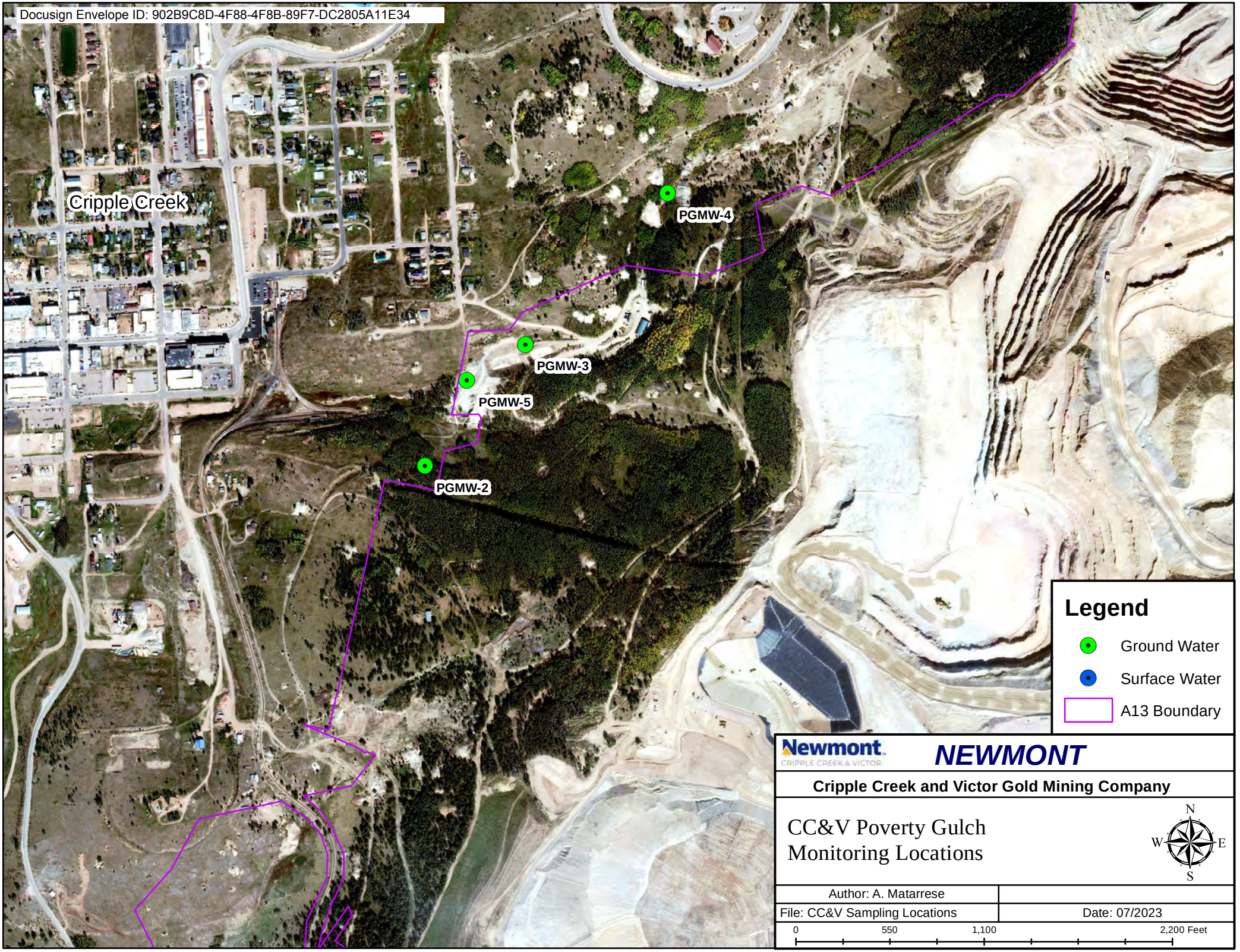

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CC&V Poverty Gulch Monitoring Locations

N W E S

Author: A. Matarrese	
File: CC&V Sampling Locations	Date: 07/2023

0 550 1,100 2,200 Feet

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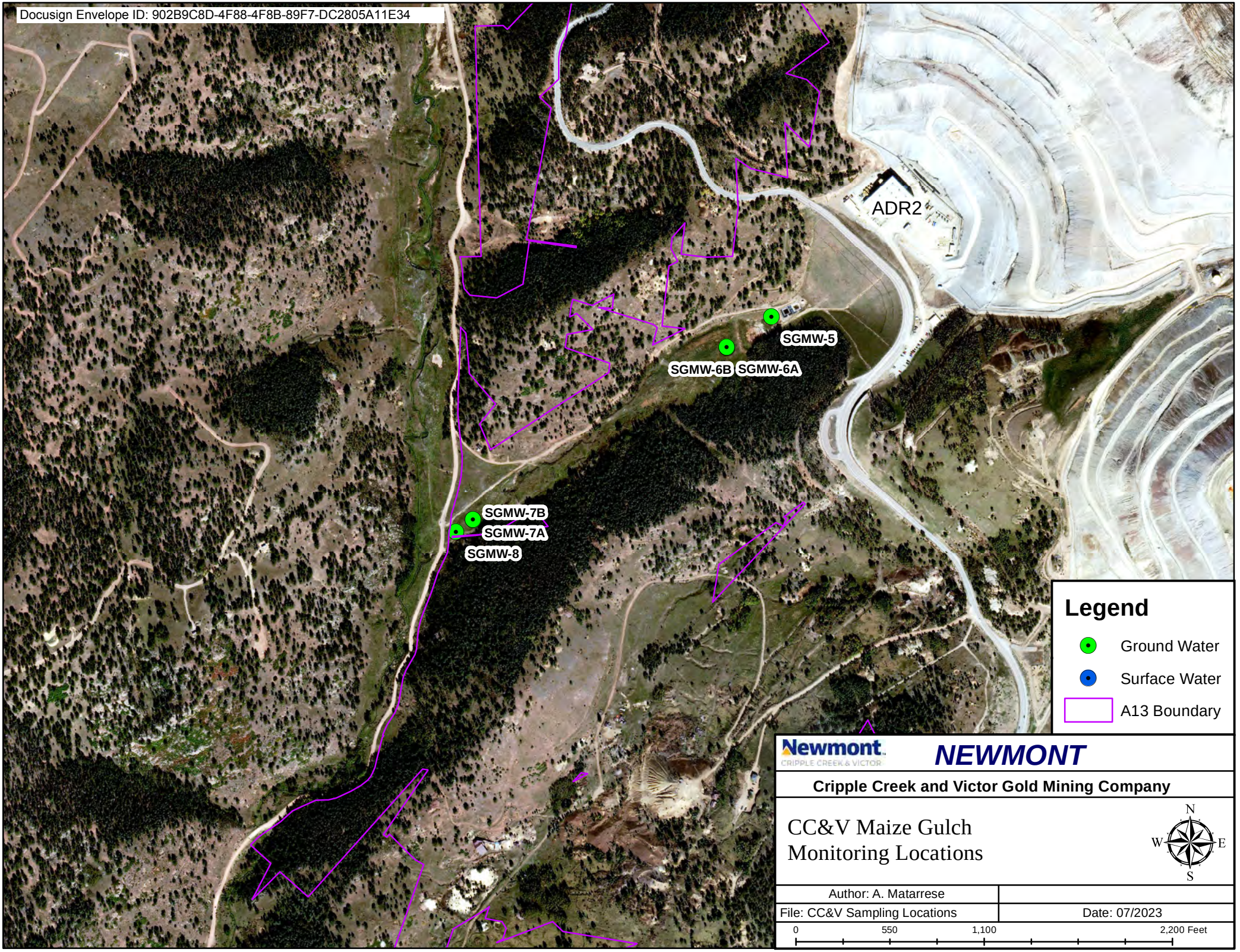

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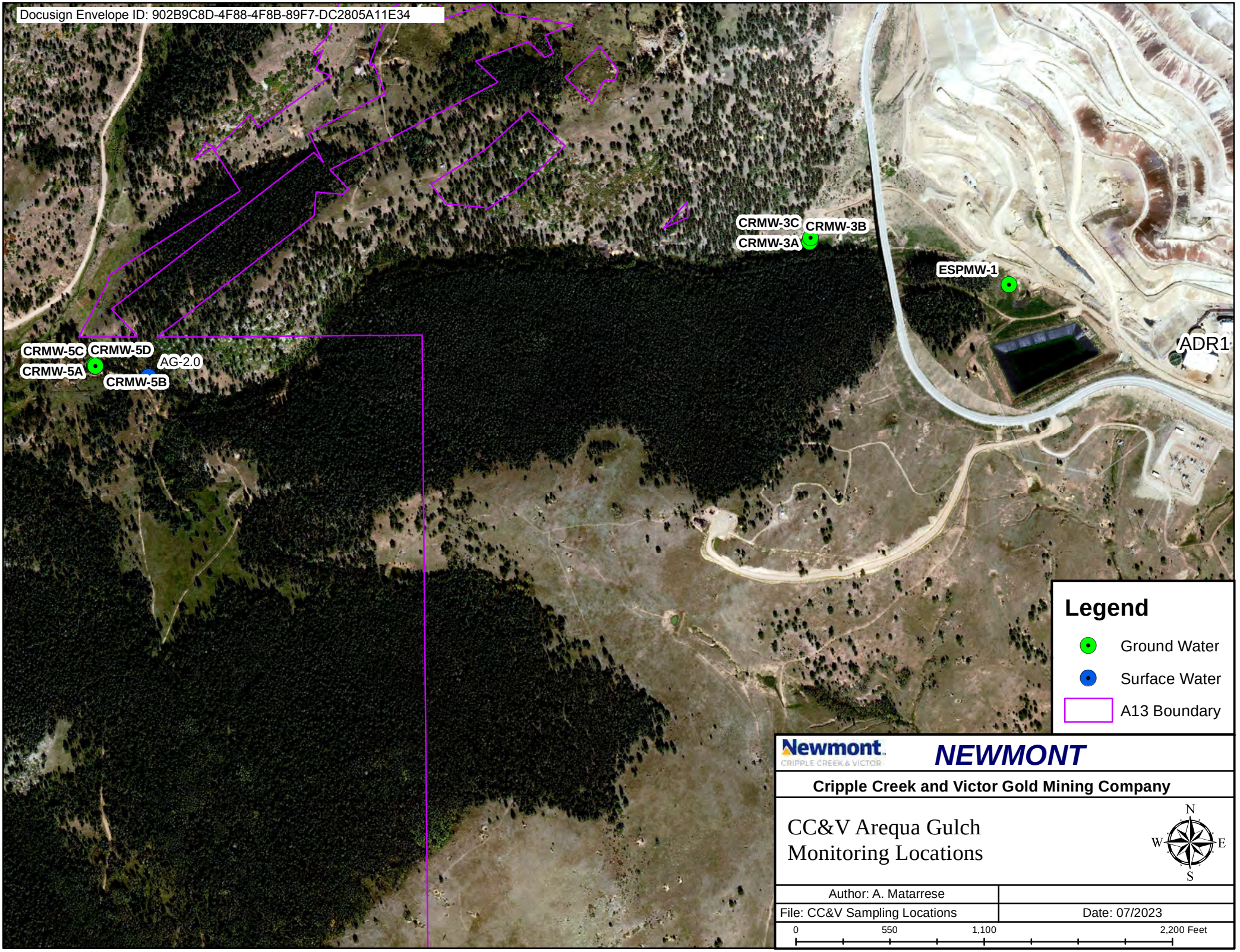
CC&V Maize Gulch Monitoring Locations

N
W E
S

Author: A. Matarrese	
File: CC&V Sampling Locations	Date: 07/2023

0 550 1,100 2,200 Feet

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34



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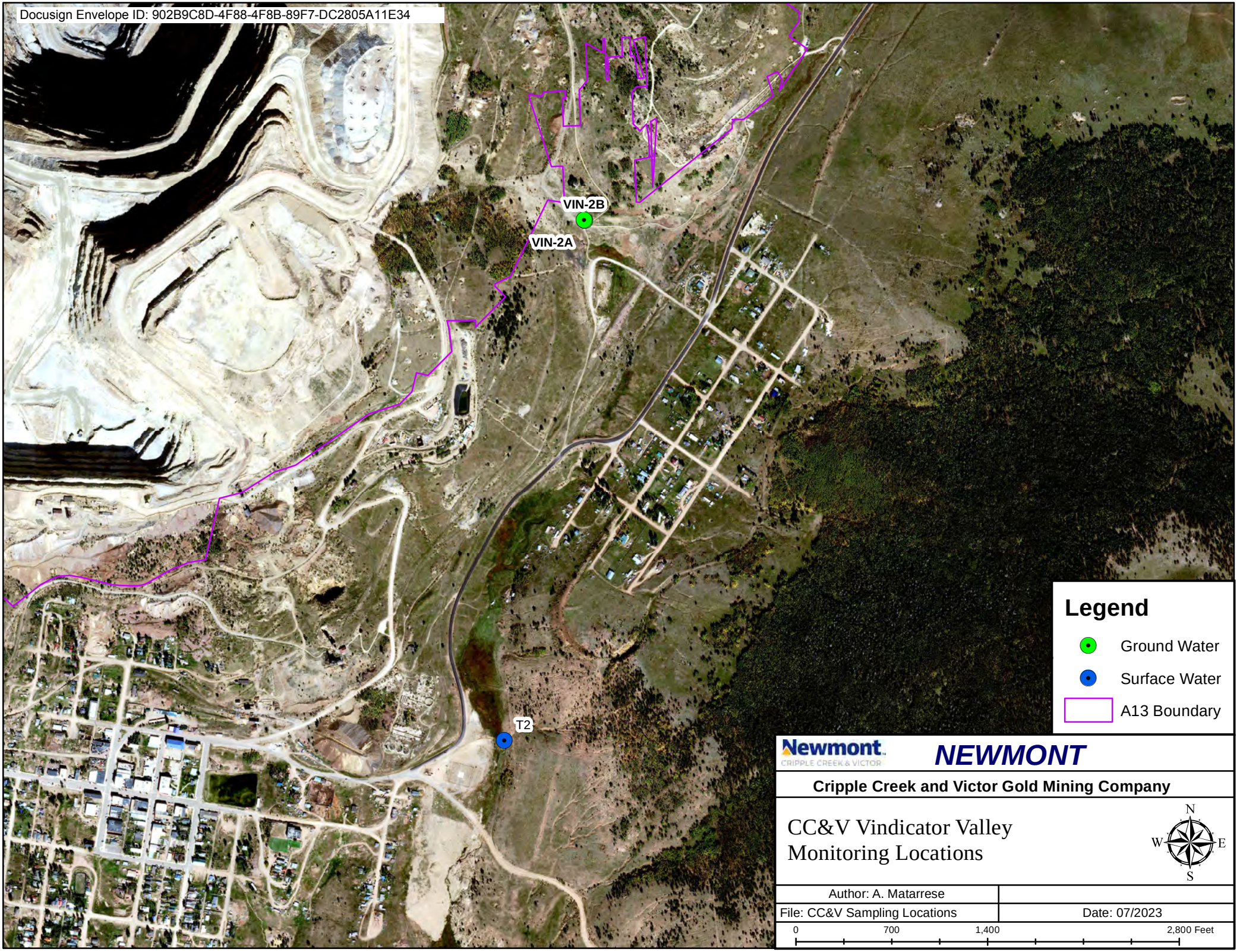

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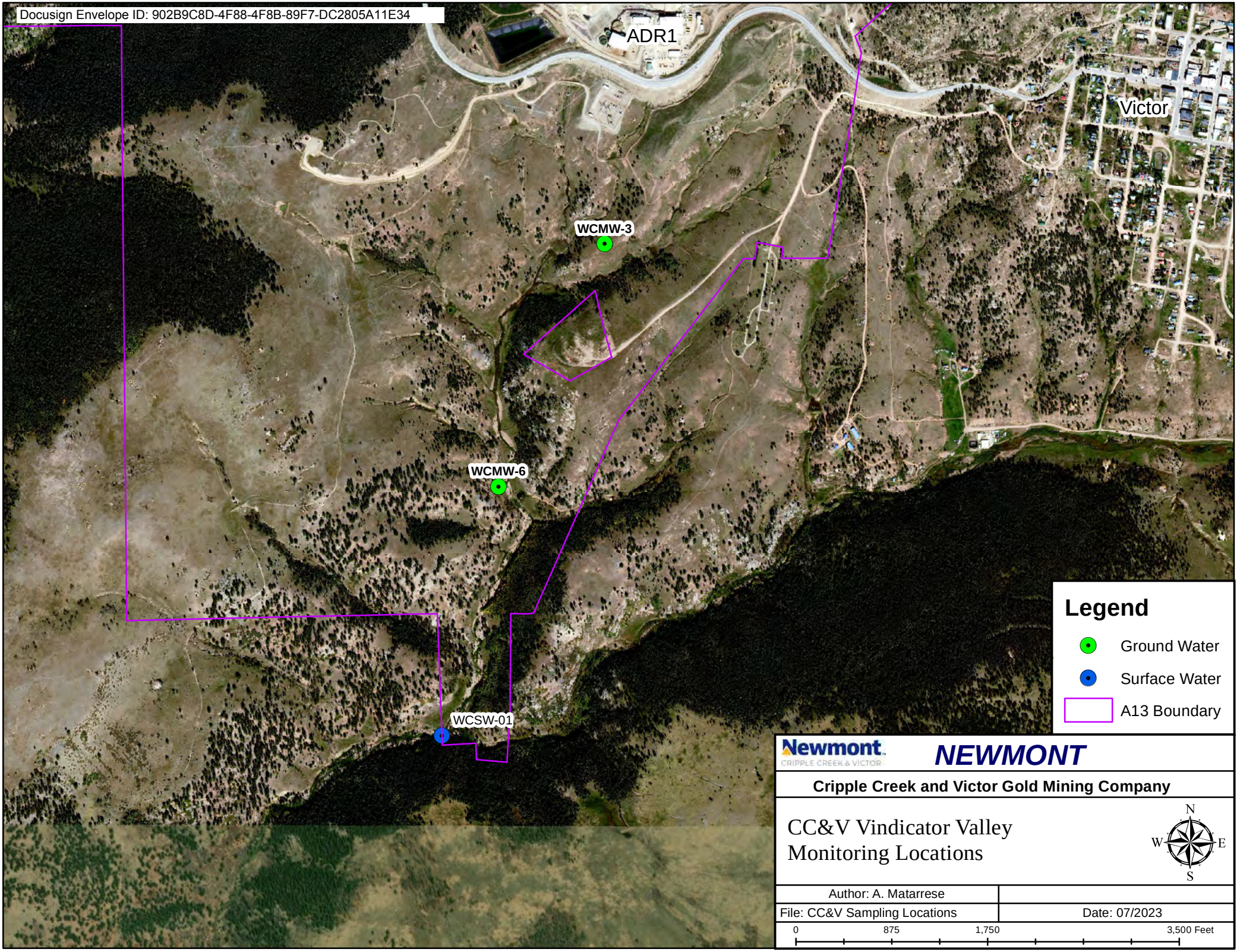

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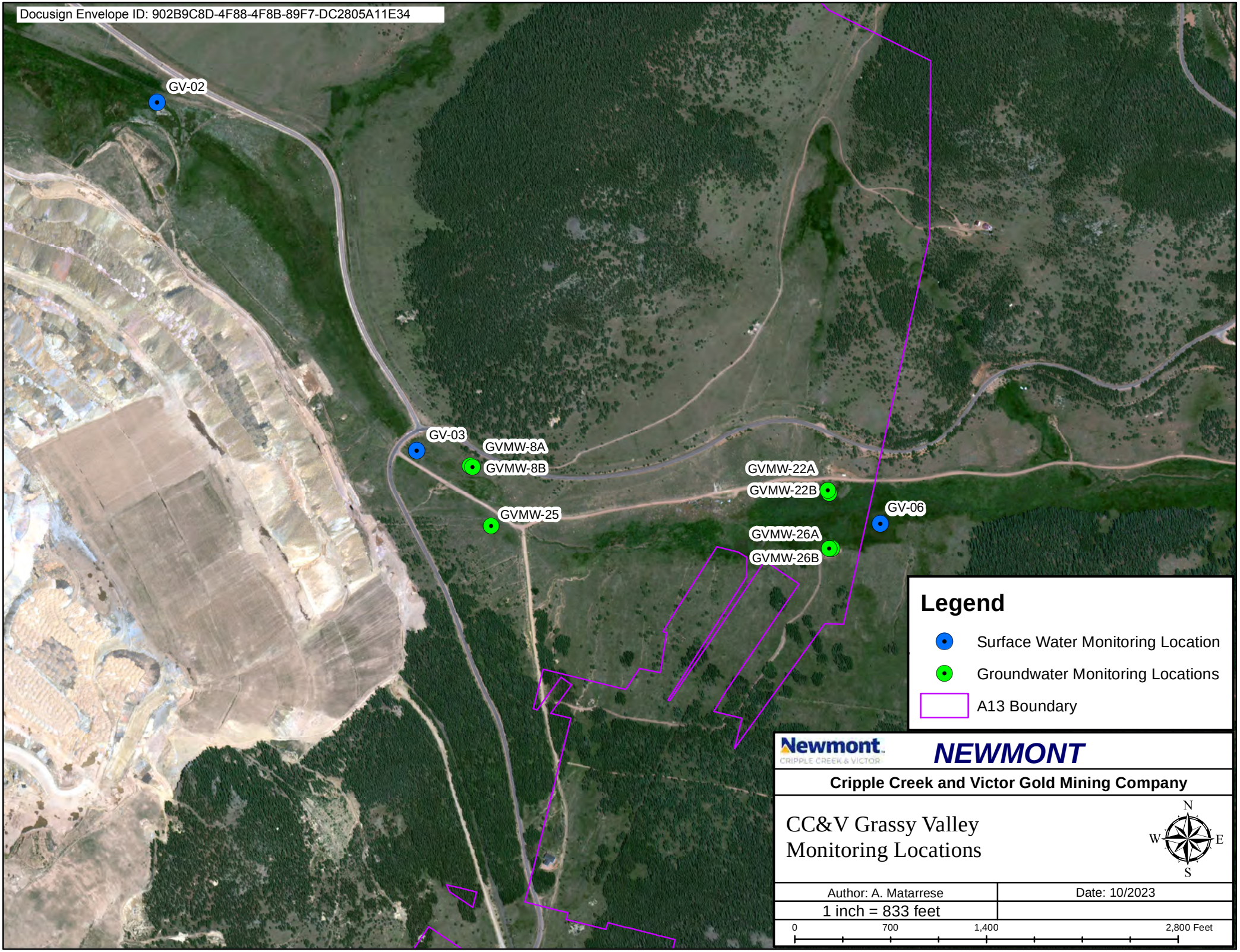

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Tables

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Table 1
Quarterly Monitoring Location Summary
Cripple Creek and Victor Gold Mining Company

Monitoring Location	Date Monitored	Status	Comments
Poverty Gulch			
PGMW-2	12/3/2024	Dry	dry at 218' BTOC
PGMW-3	12/4/2024	Sampled	
PGMW-4	12/3/2024	Dry	dry at 39.3' BTOC
PGMW-5	12/3/2024	Sampled	
Maize Gulch			
SGMW-5	12/3/2024	Dry	dry at 256' BTOC
SGMW-6A	12/3/2024	Dry	dry at 400' BTOC
SGMW-6B	12/3/2024	Sampled	
SGMW-7A	12/3/2024	Dry	dry at 404.8' BTOC
SGMW-7B	12/3/2024	Dry	dry at 60' BTOC
SGMW-8	12/3/2024	NS-IW	No sample collected due to insufficent water volume
Arequa Gulch			
CRMW-3A	10/10/2024	Sampled	
CRMW-3B	10/10/2024	Sampled	
CRMW-3C	10/10/2024	Sampled	
CRMW-5A	10/8/2024	NS-IW	No sample collected due to insufficent water volume
CRMW-5B	10/8/2024	Sampled	
CRMW-5C	10/8/2024	Sampled	
CRMW-5D	10/8/2024	Sampled	
ESPMW-1	12/4/2024	Sampled	
AG-2.0	10/8/2024	Sampled	
Wilson Creek			
WCMW-3	10/8/2024	Sampled	
WCMW-6	10/8/2024	Sampled	
WCSW-01	10/8/2024	Dry	No flowing water observed
Vindicator Valley			
VIN-2A	12/17/2024	Sampled	
VIN-2B	12/4/2024	Sampled	
T-2	12/3/2024	Dry	No flowing water observed
Grassy Valley			
GVMW-8A*	10/9/2024, 11/25/2024, & 12/10/2024	Sampled	
GVMW-8B*	10/9/2024, 11/20/2024, & 12/10/2024	Sampled	
GVMW-22A*	10/1/2024, 11/18/2024, & 12/9/2024	Sampled	
GVMW-22B*	10/1/2024, 11/18/2024, & 12/9/2024	Sampled	
GVMW-25*	10/9/2024, 11/20/2024, & 12/17/2024	Sampled	
GVMW-26A*	10/1/2024, 11/19/2024, & 12/9/2024	Sampled	
GVMW-26B*	10/1/2024, 11/19/2024, & 12/9/2024	Sampled	
GV-02*	10/21/2024, 11/18/2024, & 12/10/2024	Dry	Dry/Frozen throughout the quarter
GV-03*	10/21/2024, 11/18/2024, & 12/10/2024	Dry	Dry throughout the quarter
GV-06*	10/21/2024, 11/18/2024, & 12/10/2024	Sampled	Sampled in October, frozen in November and December

Notes:

D - Dry

NS-IW - Not sampled due to insufficient water

* - indicates locations that are monitored monthly

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Table 2
Quarterly Groundwater Analytical Results
Fourth Quarter 2024
Cripple Creek and Victor Gold Mining Company

ANALYTE	Reg 41 TVS	Site-Wide NPL	UNIT	Well I.D.	PGMW-3	PGMW-5	SGMW-6B	CRMW-3A	CRMW-3B*	CRMW-3C	CRMW-5B	CRMW-5C	CRMW-5D	ESPMW-1	WCMW-3*	WCMW-6*	VIN-2A	VIN-2B*	GVMW-8A*	GVMW-8B	GVMW-22A	GVMW-22B	GVMW-25	GVMW-26A	GVMW-26B
				Sample Date	12/4/2024	12/3/2024	12/3/2024	10/10/2024	10/10/2024	10/10/2024	10/8/2024	10/8/2024	10/8/2024	12/4/2024	10/8/2024	10/8/2024	12/17/2024	12/4/2024	12/10/2024	12/10/2024	12/9/2024	12/9/2024	12/17/2024	12/9/2024	12/9/2024
Aluminium - Dissolved	5	**7**	mg/L		**9.58**	**58.3**	0.991	<0.080	<0.080	<0.080	<0.080	<0.080	0.148	--	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080	**995**	<0.080	<0.080
Ammonia	NA	NA	mg/L		0.343	<0.030	0.102	<0.030	0.091	<0.030	<0.030	<0.030	<0.030	--	<0.030	0.062	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Antimony - Dissolved	**0.006**	NA	mg/L		<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	--	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
Arsenic - Dissolved	**0.01**	NA	mg/L		0.00239	0.00724	0.00104	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	--	<0.00100	0.00463	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	**0.185**	<0.00100	<0.00100
Barium - Dissolved	**2**	NA	mg/L		0.0164	0.0091	0.0098	0.0299	0.0136	0.0114	0.0078	0.008	0.0497	--	0.0649	0.0411	0.0076	0.0049	<0.0020	0.0082	0.105	0.0506	0.0166	0.196	0.109
Beryllium - Dissolved	**0.004**	NA	mg/L		<0.00200	**0.00881**	**0.0971**	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	--	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	**0.615**	<0.00200	<0.00200
Boron - Total	**0.75**	NA	mg/L		<0.0400	<0.0400	0.101	0.107	0.0826	0.0687	<0.0400	<0.0400	<0.0400	--	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	0.0443	<0.0400	<0.0400
Cadmium - Dissolved	**0.005**	**0.005**	mg/L		<0.0020	**0.0388**	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	--	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	**1.76**	<0.0020	<0.0020
Chloride - Total	**250**	NA	mg/L		52.6	51.5	126	242	218	184	6.38	6.09	6.6	--	1.14	2.16	7.57	11.4	60	38.2	3.85	9.81	19.8	1.26	1.84
Chromium - Dissolved	**0.1**	NA	mg/L		<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	--	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0484	<0.0060	<0.0060
Cobalt - Dissolved	**0.05**	NA	mg/L		0.0326	**0.159**	0.0313	0.0257	0.0166	0.0207	<0.0060	<0.0060	<0.0060	--	<0.0060	<0.0060	0.0098	0.0064	<0.0060	<0.0060	<0.0060	<0.0060	**2.1**	<0.0060	<0.0060
Copper - Dissolved	**0.2**	**0.2**	mg/L		<0.0100	**1.28**	<0.0100	<0.0100	0.0806	<0.0100	<0.0100	<0.0100	<0.0100	--	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0127	<0.0100	<0.0100	**4.01**	<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	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide - Total	NA	NA	mg/L		<0.0050	<0.0050	<0.0050	0.027	<0.0050	0.0056	<0.0050	<0.0050	<0.0050	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Cyanide - WAD	NA	**0.2**	mg/L		<0.0050	0.008	<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	<0.0050	<0.0050	<0.0050	<0.0050
Fluoride - Total F	**2**	**2**	mg/L		**2.18**	**6.96**	**9.22**	**3.93**	**3.76**	**3.14**	**2.76**	**2.83**	**2.92**	--	0.756	1.95	0.249	0.165	1.90	**2.19**	**2.17**	0.384	**96.9**	1.9	0.245
Iron - Dissolved	0.3	**14**	mg/L		0.479	0.107	**14.5**	<0.100	<0.100	0.176	<0.100	<0.100	0.101	--	<0.100	0.947	0.118	<0.100	<0.100	<0.100	0.129	<0.100	6.9	<0.100	<0.100
Lead - Dissolved	**0.05**	NA	mg/L		<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	--	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	<0.0075	**0.0521**	<0.0075	<0.0075
Lithium - Dissolved	**2.5**	NA	mg/L		<0.040	0.067	<0.040	0.133	0.101	0.085	<0.040	<0.040	<0.040	--	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.191	<0.040	<0.040
Manganese - Dissolved	0.05	**3**	mg/L		**6.36**	**41.8**	**10.4**	0.0169	2.38	2.53	0.137	<0.0080	<0.0080	--	0.0402	0.193	0.0327	1.8	<0.0080	<0.0080	0.166	<0.0080	**254**	0.0082	<0.0080
Mercury - Dissolved	**0.002**	**0.002**	mg/L		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	--	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<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	0.0687	<0.0080	<0.0080	<0.0080	<0.0080	0.0153	--	<0.0080	0.0167	<0.0080	<0.0080	<0.0080	<0.0080	0.0087	<0.0080	<0.0080	<0.0080	<0.0080
Nickel - Dissolved	**0.1**	NA	mg/L		0.0337	**0.238**	0.0184	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	**2.72**	<0.0100	<0.0100
Nitrate as Nitrogen	**10**	**10**	mg/L		2.37	1.67	0.059	2.88	<0.050	0.181	0.112	0.128	0.17	--	<0.050	<0.050	<0.050	<0.050	1.11	2.16	<0.050	0.699	3.93	<0.050	0.645
Nitrite + Nitrate as Nitrogen	10	**11**	mg/L		2.74	1.67	<0.100	2.88	<0.100	0.203	0.112	0.128	0.17	--	<0.100	<0.100	<0.100	<0.100	1.11	2.16	<0.100	0.699	3.93	<0.100	0.645
Nitrite as Nitrogen	**1**	**1**	mg/L		0.367	<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	<0.050	<0.050	<0.500	<0.050	<0.050
pH Field	6.5-8.5	**6.0-8.5**	pH units		**4.8**	**3.76**	6.03	6.72	6.4	6.5	7.72	6.72	6.54	7.05	7.78	7.15	7.77	7.62	6.95	6.77	7.86	6.71	**3.85**	7.76	6.45
Selenium - Dissolved	0.02	**0.024**	mg/L		<0.00100	0.00105	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.00197	--	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	0.0151	<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	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Sodium - Dissolved	NA	NA	mg/L		23.6	25.8	74.6	106	87.5	69.4	7.91	7.3	6.5	--	10	15.4	22.1	33.5	24.3	25.4	36.4	17.5	40.8	31	10.1
Sulfate - Total	**250**	NA	mg/L		**587**	**808**	**1,570**	**964**	**766**	**667**	32.1	26.5	19.4	--	24.9	52.7	**656**	721	61.8	90.6	31.4	69.5	**9,430**	15.2	20.9
Thallium - Dissolved	**0.002**	NA	mg/L		<0.000200	<0.000200	<0.000400	<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	<0.00200	<0.000200	<0.000200
Total Dissolved Solids	NA	NA	mg/L		1,050	1,410	2,660	1,760	1,590	1,400	189	116	118	--	248	252	1,080	1,260	278	280	215	191	12,300	187	90
Uranium - Dissolved	**0.03**	NA	mg/L		0.00188	**0.0351**	0.00158	0.0193	0.0249	0.025	0.00581	0.000364	0.000202	--	0.00641	0.00073	0.0029	0.000222	0.00492	0.00262	0.00371	0.000713	**3.57**	0.00346	0.000126
Vanadium - Dissolved	**0.1**	NA	mg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	--	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zinc - Dissolved	**2**	**2**	mg/L		0.252	**5.15**	0.149	0.0175	0.0786	0.0329	<0.0100	<0.0100	<0.0100	--	<0.0100	<0.0100	**2.58**	0.0111	<0.0100	<0.0100	<0.0100	<0.0100	**72.9**	<0.0100	<0.0100

Notes:
Applicable Standard vs. Non-applicable standard
* well specific NPL applied, refer table 3.2 in the QAPP
Result below laboratory detection limit
BOLD - exceeds applicable standard
< - less than
mg/L - miligrams per liter
NPL - Numeric Protection Limit
NS- Not sampled
TVS - table value standard
NS- Not sampled

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont
NORTH AMERICA

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

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newmont.com

Attachment 1

Laboratory Analytical Reports

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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(208) 784-1258
www.svl.net

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09**
Post Office Box 191	Work Order: **X4J0181**
Victor, CO 80860	Reported: 24-Oct-24 13:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
WCMW-6	X4J0181-01	Ground Water	08-Oct-24 09:30	TR	09-Oct-2024	
WCMW-3	X4J0181-02	Ground Water	08-Oct-24 10:55	JC	09-Oct-2024	
AG-2.0	X4J0181-03	Surface Water	08-Oct-24 11:38	JC	09-Oct-2024	
CRMW-5D	X4J0181-04	Ground Water	08-Oct-24 12:33	JC	09-Oct-2024	
CRMW-5C	X4J0181-05	Ground Water	08-Oct-24 13:10	JC	09-Oct-2024	
CRMW-5B	X4J0181-06	Ground Water	08-Oct-24 14:10	JC	09-Oct-2024	

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

Case Narrative: X4J0181

The state of origin only accredits for drinking water analyses.

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **WCMW-6**
SVL Sample ID: **X4J0181-01 (Ground Water)**

Sampled: 08-Oct-24 09:30
Received: 09-Oct-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**	39.4	mg/L	0.100	0.069		X441205	SJN	10/15/24 11:33	
EPA 200.7	**Magnesium**	10.6	mg/L	0.500	0.090		X441205	SJN	10/15/24 11:33	
EPA 200.7	**Potassium**	2.22	mg/L	0.50	0.18		X441205	SJN	10/15/24 11:33	
SM 2340 B	**Hardness (as CaCO3)**	146	mg/L	2.31	0.543		N/A		10/15/24 11:33	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X443015	NMS	10/24/24 09:40	
EPA 200.7	**Barium**	0.0411	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 09:40	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 09:40	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X443015	NMS	10/24/24 09:40	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X443015	NMS	10/24/24 09:40	
EPA 200.7	**Calcium**	40.7	mg/L	0.100	0.069		X443015	NMS	10/24/24 09:40	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X443015	NMS	10/24/24 09:40	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X443015	NMS	10/24/24 09:40	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X443015	NMS	10/24/24 09:40	
EPA 200.7	**Iron**	0.947	mg/L	0.100	0.056		X443015	NMS	10/24/24 09:40	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X443015	NMS	10/24/24 09:40	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X443015	NMS	10/24/24 09:40	
EPA 200.7	**Magnesium**	10.8	mg/L	0.500	0.090		X443015	NMS	10/24/24 09:40	
EPA 200.7	**Manganese**	0.193	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:40	
EPA 200.7	**Molybdenum**	0.0167	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:40	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 09:40	
EPA 200.7	**Potassium**	2.16	mg/L	0.50	0.18		X443015	NMS	10/24/24 09:40	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 09:40	
EPA 200.7	**Sodium**	15.4	mg/L	0.50	0.12		X443015	NMS	10/24/24 09:40	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 09:40	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 09:40	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442005	JRR	10/22/24 10:29	
EPA 200.8	**Arsenic**	0.00463	mg/L	0.00100	0.00021		X442005	JRR	10/22/24 10:29	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X442005	JRR	10/22/24 10:29	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442005	JRR	10/22/24 10:29	
EPA 200.8	**Uranium**	0.000730	mg/L	0.000100	0.000052		X442005	JRR	10/22/24 10:29	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X441113	MAC	10/11/24 18:24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X441170	DD	10/14/24 13:27	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X442002	JPM	10/15/24 11:18	
EPA 350.1	**Ammonia as N**	0.062	mg/L	0.030	0.013		X441163	JPM	10/11/24 13:52	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442184	DD	10/18/24 09:44	
SM 2310 B	**Acidity to pH 8.3**	-120	mg/L as CaCO3	10.0			X441194	MWD	10/11/24 12:59	
SM 2320 B	**Total Alkalinity**	128	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:05	
SM 2320 B	**Bicarbonate**	128	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:05	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:05	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:05	
SM 2540 C	**Total Diss. Solids**	252	mg/L	10			X441131	TJL	10/11/24 13:05	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X441132	TJL	10/11/24 14:55	
SM 4500 H B	**pH @20.7°C**	7.3	pH Units				X441143	MWD	10/10/24 16:05	H5,R2B

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **WCMW-6**
SVL Sample ID: **X4J0181-01 (Ground Water)**

Sampled: 08-Oct-24 09:30
Received: 09-Oct-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	2.16	mg/L	0.20	0.02		X441135	RS	10/09/24 15:52	
EPA 300.0	**Fluoride**	1.95	mg/L	0.100	0.017		X441135	RS	10/09/24 15:52	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X441135	RS	10/09/24 15:52	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X441135	RS	10/09/24 15:52	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441135	RS	10/09/24 15:52	
EPA 300.0	**Sulfate as SO4**	52.7	mg/L	3.00	1.80	10	X441135	RS	10/09/24 16:07	

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.62 meq/L Anion Sum: 3.82 meq/L C/A Balance: -2.71 % Calculated TDS: 202 TDS/cTDS: 1.25

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

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **WCMW-3**
SVL Sample ID: **X4J0181-02 (Ground Water)**

Sampled: 08-Oct-24 10:55
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	56.6	mg/L	0.100	0.069		X441205	SJN	10/15/24 11:37	
EPA 200.7	**Magnesium**	14.9	mg/L	0.500	0.090		X441205	SJN	10/15/24 11:37	
EPA 200.7	**Potassium**	1.60	mg/L	0.50	0.18		X441205	SJN	10/15/24 11:37	
SM 2340 B	**Hardness (as CaCO3)**	208	mg/L	2.31	0.543		N/A		10/15/24 11:37	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X443015	NMS	10/24/24 09:43	
EPA 200.7	**Barium**	0.0649	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 09:43	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 09:43	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X443015	NMS	10/24/24 09:43	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X443015	NMS	10/24/24 09:43	
EPA 200.7	**Calcium**	58.4	mg/L	0.100	0.069		X443015	NMS	10/24/24 09:43	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X443015	NMS	10/24/24 09:43	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X443015	NMS	10/24/24 09:43	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X443015	NMS	10/24/24 09:43	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X443015	NMS	10/24/24 09:43	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X443015	NMS	10/24/24 09:43	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X443015	NMS	10/24/24 09:43	
EPA 200.7	**Magnesium**	15.2	mg/L	0.500	0.090		X443015	NMS	10/24/24 09:43	
EPA 200.7	**Manganese**	0.0402	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:43	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:43	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 09:43	
EPA 200.7	**Potassium**	1.55	mg/L	0.50	0.18		X443015	NMS	10/24/24 09:43	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 09:43	
EPA 200.7	**Sodium**	10.0	mg/L	0.50	0.12		X443015	NMS	10/24/24 09:43	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 09:43	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 09:43	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442005	JRR	10/22/24 10:32	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X442005	JRR	10/22/24 10:32	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X442005	JRR	10/22/24 10:32	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442005	JRR	10/22/24 10:32	
EPA 200.8	**Uranium**	0.00641	mg/L	0.000100	0.000052		X442005	JRR	10/22/24 10:32	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X441113	MAC	10/11/24 18:26	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X441170	DD	10/14/24 13:35	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X442002	JPM	10/15/24 11:20	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X441163	JPM	10/11/24 13:54	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442184	DD	10/18/24 09:45	
SM 2310 B	**Acidity to pH 8.3**	-209	mg/L as CaCO3	10.0			X441194	MWD	10/11/24 12:59	
SM 2320 B	**Total Alkalinity**	212	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:11	
SM 2320 B	**Bicarbonate**	212	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:11	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:11	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:11	
SM 2540 C	**Total Diss. Solids**	248	mg/L	10			X441131	TJL	10/11/24 13:05	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X441132	TJL	10/11/24 14:55	
SM 4500 H B	**pH @20.6°C**	7.9	pH Units				X441143	MWD	10/10/24 16:11	H5

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **WCMW-3**
SVL Sample ID: **X4J0181-02 (Ground Water)**

Sampled: 08-Oct-24 10:55
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	1.14	mg/L	0.20	0.02		X441135	RS	10/09/24 16:55	
EPA 300.0	**Fluoride**	0.756	mg/L	0.100	0.017		X441135	RS	10/09/24 16:55	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X441135	RS	10/09/24 16:55	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X441135	RS	10/09/24 16:55	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441135	RS	10/09/24 16:55	
EPA 300.0	**Sulfate as SO4**	24.9	mg/L	0.30	0.18		X441135	RS	10/09/24 16:55	

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.54 meq/L Anion Sum: 4.83 meq/L C/A Balance: -3.08 % Calculated TDS: 238 TDS/cTDS: 1.04

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

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **AG-2.0**
SVL Sample ID: **X4J0181-03 (Surface Water)**

Sampled: 08-Oct-24 11:38
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X441205	SJN	10/15/24 11:41	
EPA 200.7	**Calcium**	17.0	mg/L	0.100	0.069		X441205	SJN	10/15/24 11:41	
EPA 200.7	**Iron**	0.146	mg/L	0.100	0.056		X441205	SJN	10/15/24 11:41	
EPA 200.7	**Magnesium**	3.36	mg/L	0.500	0.090		X441205	SJN	10/15/24 11:41	
EPA 200.7	Phosphorus	< 0.050	mg/L	0.050	0.013		X441205	SJN	10/15/24 11:41	
EPA 200.7	**Potassium**	1.84	mg/L	0.50	0.18		X441205	SJN	10/15/24 11:41	
EPA 200.7	**Sodium**	7.65	mg/L	0.50	0.12		X441205	SJN	10/15/24 11:41	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X441206	SMU	10/22/24 13:40	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X441206	SMU	10/22/24 13:40	
SM 2340 B	**Hardness (as CaCO3)**	56.6	mg/L	2.31	0.543		N/A		10/24/24 09:47	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X443015	NMS	10/24/24 09:47	
EPA 200.7	**Barium**	0.0420	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 09:47	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 09:47	
EPA 200.7	**Calcium**	17.1	mg/L	0.100	0.069		X443015	NMS	10/24/24 09:47	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X443015	NMS	10/24/24 09:47	
EPA 200.7	**Magnesium**	3.35	mg/L	0.500	0.090		X443015	NMS	10/24/24 09:47	
EPA 200.7	**Manganese**	0.0086	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:47	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:47	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 09:47	
EPA 200.7	**Potassium**	1.84	mg/L	0.50	0.18		X443015	NMS	10/24/24 09:47	
EPA 200.7	**Sodium**	7.35	mg/L	0.50	0.12		X443015	NMS	10/24/24 09:47	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 09:47	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442005	JRR	10/22/24 10:39	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X442005	JRR	10/22/24 10:39	
EPA 200.8	Cadmium	< 0.000100	mg/L	0.000100	0.000063		X442005	JRR	10/22/24 10:39	
EPA 200.8	Chromium	< 0.00100	mg/L	0.00100	0.00017		X442005	JRR	10/22/24 10:39	
EPA 200.8	**Copper**	0.00041	mg/L	0.00040	0.00036		X442005	JRR	10/22/24 10:39	
EPA 200.8	Lead	< 0.00020	mg/L	0.00020	0.00014		X442005	JRR	10/22/24 10:39	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X442005	JRR	10/22/24 10:39	
EPA 200.8	Silver	< 0.00008	mg/L	0.00008	0.000061		X442005	JRR	10/22/24 10:39	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442005	JRR	10/22/24 10:39	
EPA 200.8	**Uranium**	0.000164	mg/L	0.000100	0.000052		X442005	JRR	10/22/24 10:39	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X441113	MAC	10/11/24 18:29	

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 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **AG-2.0**
SVL Sample ID: **X4J0181-03 (Surface Water)**

Sampled: 08-Oct-24 11:38
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X441170	DD	10/14/24 13:37	
Calculation	**Nitrogen, Total as N**	0.838	mg/L	0.600	0.351		N/A		10/15/24 11:54	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X442002	JPM	10/15/24 11:23	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X441163	JPM	10/11/24 13:57	
EPA 351.2	**TKN**	0.84	mg/L	0.50	0.31		X441150	JPM	10/15/24 11:54	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442184	DD	10/18/24 09:47	
SM 2310 B	**Acidity to pH 8.3**	-30.0	mg/L as CaCO3	10.0			X441194	MWD	10/11/24 12:59	
SM 2320 B	**Total Alkalinity**	25.5	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:16	
SM 2320 B	**Bicarbonate**	25.5	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:16	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:16	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:16	
SM 2540 C	**Total Diss. Solids**	117	mg/L	10			X441131	TJL	10/11/24 13:05	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X441132	TJL	10/11/24 14:55	
SM 4500 H B	**pH @20.7°C**	7.4	pH Units				X441143	MWD	10/10/24 16:16	H5
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.2	mg/L	0.20	0.02		X441135	RS	10/09/24 17:27	
EPA 300.0	**Fluoride**	2.68	mg/L	0.100	0.017		X441135	RS	10/09/24 17:27	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X441135	RS	10/09/24 17:27	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X441135	RS	10/09/24 17:27	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441135	RS	10/09/24 17:27	
EPA 300.0	**Sulfate as SO4**	28.5	mg/L	0.30	0.18		X441135	RS	10/09/24 17:27	

Cation/Anion Balance and TDS Ratios

Cation Sum: 1.50 meq/L Anion Sum: 1.56 meq/L C/A Balance: -2.04 % Calculated TDS: 87 TDS/cTDS: 1.34

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 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **CRMW-5D**
SVL Sample ID: **X4J0181-04 (Ground Water)**

Sampled: 08-Oct-24 12:33
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	16.7	mg/L	0.100	0.069		X441205	SJN	10/15/24 11:54	
EPA 200.7	**Magnesium**	3.16	mg/L	0.500	0.090		X441205	SJN	10/15/24 11:54	
EPA 200.7	**Potassium**	2.86	mg/L	0.50	0.18		X441205	SJN	10/15/24 11:54	
SM 2340 B	**Hardness (as CaCO3)**	57.0	mg/L	2.31	0.543		N/A		10/24/24 09:51	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.148	mg/L	0.080	0.054		X443015	NMS	10/24/24 09:51	
EPA 200.7	**Barium**	0.0497	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 09:51	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 09:51	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X443015	NMS	10/24/24 09:51	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X443015	NMS	10/24/24 09:51	
EPA 200.7	**Calcium**	17.6	mg/L	0.100	0.069		X443015	NMS	10/24/24 09:51	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X443015	NMS	10/24/24 09:51	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X443015	NMS	10/24/24 09:51	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X443015	NMS	10/24/24 09:51	
EPA 200.7	**Iron**	0.101	mg/L	0.100	0.056		X443015	NMS	10/24/24 09:51	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X443015	NMS	10/24/24 09:51	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X443015	NMS	10/24/24 09:51	
EPA 200.7	**Magnesium**	3.30	mg/L	0.500	0.090		X443015	NMS	10/24/24 09:51	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:51	
EPA 200.7	**Molybdenum**	0.0153	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:51	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 09:51	
EPA 200.7	**Potassium**	2.86	mg/L	0.50	0.18		X443015	NMS	10/24/24 09:51	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 09:51	
EPA 200.7	**Sodium**	6.50	mg/L	0.50	0.12		X443015	NMS	10/24/24 09:51	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 09:51	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 09:51	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442005	JRR	10/22/24 10:42	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X442005	JRR	10/22/24 10:42	
EPA 200.8	**Selenium**	0.00197	mg/L	0.00100	0.00024		X442005	JRR	10/22/24 10:42	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442005	JRR	10/22/24 10:42	
EPA 200.8	**Uranium**	0.000202	mg/L	0.000100	0.000052		X442005	JRR	10/22/24 10:42	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X441113	MAC	10/11/24 18:31	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X441170	DD	10/14/24 13:39	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X442002	JPM	10/15/24 11:25	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X441163	JPM	10/11/24 13:59	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442184	DD	10/18/24 09:48	
SM 2310 B	**Acidity to pH 8.3**	-44.9	mg/L as CaCO3	10.0			X441194	MWD	10/11/24 12:59	
SM 2320 B	**Total Alkalinity**	40.9	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:22	
SM 2320 B	**Bicarbonate**	40.9	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:22	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:22	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:22	
SM 2540 C	**Total Diss. Solids**	118	mg/L	10			X441131	TJL	10/11/24 13:05	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X441132	TJL	10/11/24 14:55	
SM 4500 H B	**pH @20.7°C**	6.8	pH Units				X441143	MWD	10/10/24 16:22	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 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **CRMW-5D**
SVL Sample ID: **X4J0181-04 (Ground Water)**

Sampled: 08-Oct-24 12:33
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	6.60	mg/L	0.20	0.02		X441135	RS	10/09/24 17:58	
EPA 300.0	**Fluoride**	2.92	mg/L	0.100	0.017		X441135	RS	10/09/24 17:58	
EPA 300.0	**Nitrate as N**	0.170	mg/L	0.050	0.013		X441135	RS	10/09/24 17:58	
EPA 300.0	**Nitrate+Nitrite as N**	0.170	mg/L	0.100	0.044		X441135	RS	10/09/24 17:58	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441135	RS	10/09/24 17:58	
EPA 300.0	**Sulfate as SO4**	19.4	mg/L	0.30	0.18		X441135	RS	10/09/24 17:58	

Cation/Anion Balance and TDS Ratios

Cation Sum: 1.48 meq/L Anion Sum: 1.57 meq/L C/A Balance: -3.22 % Calculated TDS: 84 TDS/cTDS: 1.41

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **CRMW-5C**
SVL Sample ID: **X4J0181-05 (Ground Water)**

Sampled: 08-Oct-24 13:10
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	18.8	mg/L	0.100	0.069		X441205	SJN	10/15/24 11:58	
EPA 200.7	**Magnesium**	3.43	mg/L	0.500	0.090		X441205	SJN	10/15/24 11:58	
EPA 200.7	**Potassium**	2.37	mg/L	0.50	0.18		X441205	SJN	10/15/24 11:58	
SM 2340 B	**Hardness (as CaCO3)**	64.8	mg/L	2.31	0.543		N/A		10/24/24 09:55	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X443015	NMS	10/24/24 09:55	
EPA 200.7	**Barium**	0.0080	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 09:55	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 09:55	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X443015	NMS	10/24/24 09:55	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X443015	NMS	10/24/24 09:55	
EPA 200.7	**Calcium**	20.3	mg/L	0.100	0.069		X443015	NMS	10/24/24 09:55	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X443015	NMS	10/24/24 09:55	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X443015	NMS	10/24/24 09:55	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X443015	NMS	10/24/24 09:55	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X443015	NMS	10/24/24 09:55	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X443015	NMS	10/24/24 09:55	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X443015	NMS	10/24/24 09:55	
EPA 200.7	**Magnesium**	3.67	mg/L	0.500	0.090		X443015	NMS	10/24/24 09:55	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:55	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 09:55	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 09:55	
EPA 200.7	**Potassium**	2.56	mg/L	0.50	0.18		X443015	NMS	10/24/24 09:55	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 09:55	
EPA 200.7	**Sodium**	7.30	mg/L	0.50	0.12		X443015	NMS	10/24/24 09:55	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 09:55	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 09:55	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442005	JRR	10/22/24 10:44	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X442005	JRR	10/22/24 10:44	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X442005	JRR	10/22/24 10:44	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442005	JRR	10/22/24 10:44	
EPA 200.8	**Uranium**	0.000364	mg/L	0.000100	0.000052		X442005	JRR	10/22/24 10:44	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X441113	MAC	10/11/24 18:33	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X441170	DD	10/14/24 13:41	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X442002	JPM	10/15/24 11:40	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X441163	JPM	10/11/24 14:01	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442184	DD	10/18/24 09:50	
SM 2310 B	**Acidity to pH 8.3**	-44.9	mg/L as CaCO3	10.0			X441194	MWD	10/11/24 12:59	
SM 2320 B	**Total Alkalinity**	46.6	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:36	
SM 2320 B	**Bicarbonate**	46.6	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:36	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:36	
SM 2540 C	**Total Diss. Solids**	116	mg/L	10			X441131	TJL	10/11/24 13:05	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X441132	TJL	10/11/24 14:55	
SM 4500 H B	**pH @20.8°C**	6.9	pH Units				X441143	MWD	10/10/24 16:36	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 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **CRMW-5C**
SVL Sample ID: **X4J0181-05 (Ground Water)**

Sampled: 08-Oct-24 13:10
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	6.09	mg/L	0.20	0.02		X441135	RS	10/09/24 18:30	
EPA 300.0	**Fluoride**	2.83	mg/L	0.100	0.017		X441135	RS	10/09/24 18:30	
EPA 300.0	**Nitrate as N**	0.128	mg/L	0.050	0.013		X441135	RS	10/09/24 18:30	
EPA 300.0	**Nitrate+Nitrite as N**	0.128	mg/L	0.100	0.044		X441135	RS	10/09/24 18:30	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441135	RS	10/09/24 18:30	
EPA 300.0	**Sulfate as SO4**	26.5	mg/L	0.30	0.18		X441135	RS	10/09/24 18:30	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 1.61 meq/L Anion Sum: 1.81 meq/L C/A Balance: -5.87 % Calculated TDS: 97 TDS/cTDS: 1.20

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

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **CRMW-5B**
SVL Sample ID: **X4J0181-06 (Ground Water)**

Sampled: 08-Oct-24 14:10
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	36.6	mg/L	0.100	0.069		X441205	SJN	10/15/24 12:02	
EPA 200.7	**Magnesium**	4.58	mg/L	0.500	0.090		X441205	SJN	10/15/24 12:02	
EPA 200.7	**Potassium**	2.50	mg/L	0.50	0.18		X441205	SJN	10/15/24 12:02	
SM 2340 B	**Hardness (as CaCO3)**	111	mg/L	2.31	0.543		N/A		10/15/24 12:02	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X443015	NMS	10/24/24 10:14	
EPA 200.7	**Barium**	0.0078	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 10:14	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 10:14	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X443015	NMS	10/24/24 10:14	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X443015	NMS	10/24/24 10:14	
EPA 200.7	**Calcium**	38.8	mg/L	0.100	0.069		X443015	NMS	10/24/24 10:14	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X443015	NMS	10/24/24 10:14	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X443015	NMS	10/24/24 10:14	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X443015	NMS	10/24/24 10:14	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X443015	NMS	10/24/24 10:14	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X443015	NMS	10/24/24 10:14	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X443015	NMS	10/24/24 10:14	
EPA 200.7	**Magnesium**	4.71	mg/L	0.500	0.090		X443015	NMS	10/24/24 10:14	
EPA 200.7	**Manganese**	0.137	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:14	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:14	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 10:14	
EPA 200.7	**Potassium**	2.54	mg/L	0.50	0.18		X443015	NMS	10/24/24 10:14	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:14	
EPA 200.7	**Sodium**	7.91	mg/L	0.50	0.12		X443015	NMS	10/24/24 10:14	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:14	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 10:14	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442005	JRR	10/22/24 10:47	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X442005	JRR	10/22/24 10:47	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X442005	JRR	10/22/24 10:47	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442005	JRR	10/22/24 10:47	
EPA 200.8	**Uranium**	0.00581	mg/L	0.000100	0.000052		X442005	JRR	10/22/24 10:47	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X441113	MAC	10/11/24 18:35	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X441170	DD	10/14/24 13:43	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X442002	JPM	10/15/24 11:42	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X441163	JPM	10/11/24 14:04	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442184	DD	10/18/24 09:51	
SM 2310 B	**Acidity to pH 8.3**	-89.7	mg/L as CaCO3	10.0			X441194	MWD	10/11/24 12:59	
SM 2320 B	**Total Alkalinity**	92.5	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:41	
SM 2320 B	**Bicarbonate**	92.5	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:41	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:41	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X441143	MWD	10/10/24 16:41	
SM 2540 C	**Total Diss. Solids**	189	mg/L	10			X441131	TJL	10/11/24 13:05	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X441132	TJL	10/11/24 14:55	
SM 4500 H B	**pH @20.9°C**	7.7	pH Units				X441143	MWD	10/10/24 16:41	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 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Client Sample ID: **CRMW-5B**
SVL Sample ID: **X4J0181-06 (Ground Water)**

Sampled: 08-Oct-24 14:10
Received: 09-Oct-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	6.38	mg/L	0.20	0.02		X441135	RS	10/09/24 19:02	
EPA 300.0	**Fluoride**	2.76	mg/L	0.100	0.017		X441135	RS	10/09/24 19:02	
EPA 300.0	**Nitrate as N**	0.112	mg/L	0.050	0.013		X441135	RS	10/09/24 19:02	
EPA 300.0	**Nitrate+Nitrite as N**	0.112	mg/L	0.100	0.044		X441135	RS	10/09/24 19:02	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441135	RS	10/09/24 19:02	
EPA 300.0	**Sulfate as SO4**	32.1	mg/L	0.30	0.18		X441135	RS	10/09/24 19:02	

Cation/Anion Balance and TDS Ratios

Cation Sum: 2.63 meq/L Anion Sum: 2.85 meq/L C/A Balance: -4.03 % Calculated TDS: 150 TDS/cTDS: 1.26

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

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	Boron	mg/L	<0.0400	0.0078	0.0400	X441205	15-Oct-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X441205	15-Oct-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X441205	15-Oct-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X441205	15-Oct-24	
EPA 200.7	Phosphorus	mg/L	<0.050	0.013	0.050	X441205	15-Oct-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X441205	15-Oct-24	
EPA 200.7	Sodium	mg/L	<0.12	0.12	0.50	X441205	15-Oct-24	U
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X441206	22-Oct-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X441206	22-Oct-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X443015	24-Oct-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X443015	24-Oct-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X443015	24-Oct-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X443015	24-Oct-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X443015	24-Oct-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X443015	24-Oct-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X443015	24-Oct-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X443015	24-Oct-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X443015	24-Oct-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X443015	24-Oct-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X443015	24-Oct-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X443015	24-Oct-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X443015	24-Oct-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X443015	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X443015	24-Oct-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X443015	24-Oct-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X443015	24-Oct-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X443015	24-Oct-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X443015	24-Oct-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X443015	24-Oct-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X443015	24-Oct-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X442005	22-Oct-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X442005	22-Oct-24	
EPA 200.8	Cadmium	mg/L	<0.000100	0.000063	0.000100	X442005	22-Oct-24	
EPA 200.8	Chromium	mg/L	<0.00100	0.00017	0.00100	X442005	22-Oct-24	
EPA 200.8	Copper	mg/L	<0.00040	0.00036	0.00040	X442005	22-Oct-24	
EPA 200.8	Lead	mg/L	<0.00020	0.00014	0.00020	X442005	22-Oct-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X442005	22-Oct-24	
EPA 200.8	Silver	mg/L	<0.00008	0.000061	0.00008	X442005	22-Oct-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X442005	22-Oct-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X442005	22-Oct-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X441113	11-Oct-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X441170	14-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X442002	15-Oct-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X441163	11-Oct-24	
EPA 351.2	TKN	mg/L	<0.50	0.31	0.50	X441150	15-Oct-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X442184	18-Oct-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X441194	11-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X441143	10-Oct-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X441143	10-Oct-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X441143	10-Oct-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X441143	10-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Quality Control - BLANK Data (Continued)

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Classical Chemistry Parameters (Continued)								
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X441131	11-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X441132	11-Oct-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X441135	09-Oct-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X441135	09-Oct-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X441135	09-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X441135	09-Oct-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X441135	09-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X441135	09-Oct-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	Boron	mg/L	0.958	1.00	95.8	85 - 115	X441205	15-Oct-24	
EPA 200.7	Calcium	mg/L	18.8	20.0	94	85 - 115	X441205	15-Oct-24	
EPA 200.7	Iron	mg/L	9.65	10.0	96.5	85 - 115	X441205	15-Oct-24	
EPA 200.7	Magnesium	mg/L	19.3	20.0	96.4	85 - 115	X441205	15-Oct-24	
EPA 200.7	Phosphorus	mg/L	0.988	1.00	98.8	85 - 115	X441205	15-Oct-24	
EPA 200.7	Potassium	mg/L	19.4	20.0	96.8	85 - 115	X441205	15-Oct-24	
EPA 200.7	Sodium	mg/L	18.4	19.0	96.8	85 - 115	X441205	15-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0238	0.0250	95.4	85 - 115	X441206	22-Oct-24	
EPA 200.8	Chromium	mg/L	0.0237	0.0250	94.9	85 - 115	X441206	22-Oct-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.946	1.00	94.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Barium	mg/L	0.963	1.00	96.3	85 - 115	X443015	24-Oct-24	
EPA 200.7	Beryllium	mg/L	0.957	1.00	95.7	85 - 115	X443015	24-Oct-24	
EPA 200.7	Boron	mg/L	0.931	1.00	93.1	85 - 115	X443015	24-Oct-24	
EPA 200.7	Cadmium	mg/L	0.931	1.00	93.1	85 - 115	X443015	24-Oct-24	
EPA 200.7	Calcium	mg/L	18.8	20.0	93.9	85 - 115	X443015	24-Oct-24	
EPA 200.7	Chromium	mg/L	0.976	1.00	97.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Cobalt	mg/L	0.909	1.00	90.9	85 - 115	X443015	24-Oct-24	
EPA 200.7	Copper	mg/L	0.952	1.00	95.2	85 - 115	X443015	24-Oct-24	
EPA 200.7	Iron	mg/L	9.59	10.0	95.9	85 - 115	X443015	24-Oct-24	
EPA 200.7	Lead	mg/L	0.927	1.00	92.7	85 - 115	X443015	24-Oct-24	
EPA 200.7	Lithium	mg/L	0.981	1.00	98.1	85 - 115	X443015	24-Oct-24	
EPA 200.7	Magnesium	mg/L	19.2	20.0	95.8	85 - 115	X443015	24-Oct-24	
EPA 200.7	Manganese	mg/L	0.960	1.00	96.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	0.935	1.00	93.5	85 - 115	X443015	24-Oct-24	
EPA 200.7	Nickel	mg/L	0.920	1.00	92.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Potassium	mg/L	19.4	20.0	97.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Silver	mg/L	0.0468	0.0500	93.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Sodium	mg/L	17.9	19.0	94.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Vanadium	mg/L	0.966	1.00	96.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Zinc	mg/L	0.919	1.00	91.9	85 - 115	X443015	24-Oct-24	
EPA 200.8	Antimony	mg/L	0.0248	0.0250	99.0	85 - 115	X442005	22-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0256	0.0250	103	85 - 115	X442005	22-Oct-24	
EPA 200.8	Cadmium	mg/L	0.0253	0.0250	101	85 - 115	X442005	22-Oct-24	
EPA 200.8	Chromium	mg/L	0.0261	0.0250	104	85 - 115	X442005	22-Oct-24	
EPA 200.8	Copper	mg/L	0.0261	0.0250	104	85 - 115	X442005	22-Oct-24	
EPA 200.8	Lead	mg/L	0.0247	0.0250	98.7	85 - 115	X442005	22-Oct-24	
EPA 200.8	Selenium	mg/L	0.0240	0.0250	95.9	85 - 115	X442005	22-Oct-24	
EPA 200.8	Silver	mg/L	0.0250	0.0250	100	85 - 115	X442005	22-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Dissolved) (Continued)									
EPA 200.8	Thallium	mg/L	0.0248	0.0250	99.3	85 - 115	X442005	22-Oct-24	
EPA 200.8	Uranium	mg/L	0.0257	0.0250	103	85 - 115	X442005	22-Oct-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00201	0.00200	100	85 - 115	X441113	11-Oct-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.109	0.100	109	90 - 110	X441170	15-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	0.100	0.100	100	90 - 110	X442002	15-Oct-24	
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X441163	11-Oct-24	
EPA 351.2	TKN	mg/L	8.08	8.00	101	90 - 110	X441150	15-Oct-24	
OIA 1677	Cyanide (WAD)	mg/L	0.101	0.100	101	90 - 110	X442184	18-Oct-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	881	884	99.6	95.4 - 104	X441194	11-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.0	9.93	101	96.4 - 105	X441143	10-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	96.4 - 105	X441143	10-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	100	85 - 115	X441132	11-Oct-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.91	3.00	97.2	90 - 110	X441135	09-Oct-24	
EPA 300.0	Fluoride	mg/L	1.93	2.00	96.7	90 - 110	X441135	09-Oct-24	
EPA 300.0	Nitrate as N	mg/L	1.96	2.00	98.0	90 - 110	X441135	09-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.44	4.50	98.8	90 - 110	X441135	09-Oct-24	
EPA 300.0	Nitrite as N	mg/L	2.48	2.50	99.4	90 - 110	X441135	09-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	9.93	10.0	99.3	90 - 110	X441135	09-Oct-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	X441194 - X4J0074-01	11-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	128	128	0.1	20	X441143 - X4J0181-01	10-Oct-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	128	128	0.1	20	X441143 - X4J0181-01	10-Oct-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X441143 - X4J0181-01	10-Oct-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X441143 - X4J0181-01	10-Oct-24	
SM 2540 C	Total Diss. Solids	mg/L	244	246	0.8	10	X441131 - X4J0180-02	11-Oct-24	
SM 2540 C	Total Diss. Solids	mg/L	246	248	0.8	10	X441131 - X4J0181-02	11-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X441132 - X4J0180-02	11-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X441132 - X4J0183-01	11-Oct-24	
SM 4500 H B	pH @20.8°C	pH Units	7.2	7.3	1.5	20	X441143 - X4J0181-01	10-Oct-24	R2B

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

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	Boron	mg/L	0.980	<0.0400	1.00	98.0	70 - 130	X441205 - X4J0180-01	15-Oct-24	
EPA 200.7	Boron	mg/L	0.971	<0.0400	1.00	95.7	70 - 130	X441205 - X4J0217-01	15-Oct-24	
EPA 200.7	Calcium	mg/L	19.0	<0.100	20.0	95	70 - 130	X441205 - X4J0180-01	15-Oct-24	
EPA 200.7	Calcium	mg/L	65.0	46.9	20.0	90	70 - 130	X441205 - X4J0217-01	15-Oct-24	
EPA 200.7	Iron	mg/L	9.73	<0.100	10.0	97.3	70 - 130	X441205 - X4J0180-01	15-Oct-24	
EPA 200.7	Iron	mg/L	9.71	<0.100	10.0	97.1	70 - 130	X441205 - X4J0217-01	15-Oct-24	
EPA 200.7	Magnesium	mg/L	19.5	<0.500	20.0	97.4	70 - 130	X441205 - X4J0180-01	15-Oct-24	
EPA 200.7	Magnesium	mg/L	25.3	6.24	20.0	95.3	70 - 130	X441205 - X4J0217-01	15-Oct-24	
EPA 200.7	Phosphorus	mg/L	0.999	<0.050	1.00	99.9	70 - 130	X441205 - X4J0180-01	15-Oct-24	
EPA 200.7	Phosphorus	mg/L	0.993	<0.050	1.00	99.3	70 - 130	X441205 - X4J0217-01	15-Oct-24	
EPA 200.7	Potassium	mg/L	19.5	<0.50	20.0	97.7	70 - 130	X441205 - X4J0180-01	15-Oct-24	
EPA 200.7	Potassium	mg/L	20.4	0.76	20.0	98.1	70 - 130	X441205 - X4J0217-01	15-Oct-24	
EPA 200.7	Sodium	mg/L	18.7	0.24	19.0	97.3	70 - 130	X441205 - X4J0180-01	15-Oct-24	
EPA 200.7	Sodium	mg/L	41.9	23.8	19.0	95.1	70 - 130	X441205 - X4J0217-01	15-Oct-24	
EPA 200.8	Arsenic	mg/L	<0.0500	<0.0500	0.0250	91.2	70 - 130	X441206 - X4J0218-05	22-Oct-24	D11
EPA 200.8	Arsenic	mg/L	0.0305	0.00427	0.0250	105	70 - 130	X441206 - X4J0230-03	22-Oct-24	
EPA 200.8	Chromium	mg/L	<0.0500	<0.0500	0.0250	64.8	70 - 130	X441206 - X4J0218-05	22-Oct-24	D11,M4
EPA 200.8	Chromium	mg/L	0.0257	<0.00100	0.0250	101	70 - 130	X441206 - X4J0230-03	22-Oct-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.993	<0.080	1.00	99.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Aluminum	mg/L	0.983	<0.080	1.00	98.3	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Barium	mg/L	1.04	0.0411	1.00	100	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Barium	mg/L	1.02	0.0249	1.00	99.8	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Beryllium	mg/L	0.989	<0.00200	1.00	98.9	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Beryllium	mg/L	0.987	<0.00200	1.00	98.7	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Boron	mg/L	0.999	<0.0400	1.00	97.4	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Boron	mg/L	1.03	0.0542	1.00	97.5	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Cadmium	mg/L	0.977	<0.0020	1.00	97.7	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Cadmium	mg/L	0.989	<0.0020	1.00	98.9	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Calcium	mg/L	60.0	40.7	20.0	96.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Calcium	mg/L	210	188	20.0	110	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Chromium	mg/L	1.00	<0.0060	1.00	100	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Chromium	mg/L	0.998	<0.0060	1.00	99.8	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Cobalt	mg/L	0.938	<0.0060	1.00	93.8	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Cobalt	mg/L	0.935	<0.0060	1.00	93.5	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Copper	mg/L	0.977	<0.0100	1.00	97.7	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Copper	mg/L	0.980	<0.0100	1.00	98.0	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Iron	mg/L	10.8	0.947	10.0	98.9	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Iron	mg/L	9.81	<0.100	10.0	98.1	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Lead	mg/L	0.949	<0.0075	1.00	94.9	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Lead	mg/L	0.942	<0.0075	1.00	94.2	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Lithium	mg/L	1.02	<0.040	1.00	102	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Lithium	mg/L	1.05	<0.040	1.00	102	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Magnesium	mg/L	30.7	10.8	20.0	99.1	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Magnesium	mg/L	37.2	17.3	20.0	99.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Manganese	mg/L	1.19	0.193	1.00	100	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Manganese	mg/L	1.12	0.123	1.00	99.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	0.971	0.0167	1.00	95.4	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	0.979	<0.0080	1.00	97.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Nickel	mg/L	0.963	<0.0100	1.00	96.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Nickel	mg/L	0.936	<0.0100	1.00	93.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Potassium	mg/L	22.4	2.16	20.0	101	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Potassium	mg/L	24.0	3.46	20.0	102	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Silver	mg/L	0.0463	<0.0050	0.0500	92.6	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Silver	mg/L	0.0482	<0.0050	0.0500	96.5	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Sodium	mg/L	34.0	15.4	19.0	98.1	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Sodium	mg/L	63.4	44.3	19.0	101	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Vanadium	mg/L	0.993	<0.0050	1.00	99.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Vanadium	mg/L	0.999	<0.0050	1.00	99.9	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Zinc	mg/L	0.957	<0.0100	1.00	95.7	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Zinc	mg/L	0.957	<0.0100	1.00	95.0	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.8	Antimony	mg/L	0.0266	<0.00100	0.0250	102	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Antimony	mg/L	0.0273	<0.00100	0.0250	106	70 - 130	X442005 - X4J0251-03	22-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0263	<0.00100	0.0250	105	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0261	<0.00100	0.0250	105	70 - 130	X442005 - X4J0251-03	22-Oct-24	
EPA 200.8	Cadmium	mg/L	0.0257	<0.000100	0.0250	103	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Cadmium	mg/L	0.0263	<0.000100	0.0250	105	70 - 130	X442005 - X4J0251-03	22-Oct-24	
EPA 200.8	Chromium	mg/L	0.0264	<0.00100	0.0250	103	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Chromium	mg/L	0.0255	<0.00100	0.0250	102	70 - 130	X442005 - X4J0251-03	22-Oct-24	
EPA 200.8	Copper	mg/L	0.0262	<0.00040	0.0250	105	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Copper	mg/L	0.0271	0.00105	0.0250	104	70 - 130	X442005 - X4J0251-03	22-Oct-24	
EPA 200.8	Lead	mg/L	0.0248	<0.00020	0.0250	99.2	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Lead	mg/L	0.0243	<0.00020	0.0250	97.3	70 - 130	X442005 - X4J0251-03	22-Oct-24	
EPA 200.8	Selenium	mg/L	0.0261	<0.00100	0.0250	101	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Selenium	mg/L	0.0245	<0.00100	0.0250	98.0	70 - 130	X442005 - X4J0251-03	22-Oct-24	
EPA 200.8	Silver	mg/L	0.0245	<0.00008	0.0250	97.9	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Silver	mg/L	0.0252	<0.00008	0.0250	101	70 - 130	X442005 - X4J0251-03	22-Oct-24	
EPA 200.8	Thallium	mg/L	0.0248	<0.000200	0.0250	99.3	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Thallium	mg/L	0.0244	<0.000200	0.0250	97.5	70 - 130	X442005 - X4J0251-03	22-Oct-24	
EPA 200.8	Uranium	mg/L	0.0273	0.000426	0.0250	108	70 - 130	X442005 - X4J0138-01	22-Oct-24	
EPA 200.8	Uranium	mg/L	0.0270	0.000552	0.0250	106	70 - 130	X442005 - X4J0251-03	22-Oct-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00198	<0.000200	0.00200	98.8	70 - 130	X441113 - X4J0144-01	11-Oct-24	
EPA 245.1	Mercury	mg/L	0.00204	<0.000200	0.00200	102	70 - 130	X441113 - X4J0146-02	11-Oct-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0930	<0.0050	0.100	93.0	79 - 121	X441170 - X4J0144-01	14-Oct-24	R4
EPA 335.4	Cyanide (total)	mg/L	0.102	<0.0050	0.100	102	90 - 110	X442002 - X4J0180-02	15-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X442002 - X4J0180-01	15-Oct-24	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X441163 - X4J0180-02	11-Oct-24	
EPA 350.1	Ammonia as N	mg/L	1.04	0.062	1.00	97.8	90 - 110	X441163 - X4J0181-01	11-Oct-24	
EPA 351.2	TKN	mg/L	8.20	<0.50	8.00	103	90 - 110	X441150 - X4J0113-01	15-Oct-24	
EPA 351.2	TKN	mg/L	7.49	<0.50	8.00	93.7	90 - 110	X441150 - X4J0113-02	15-Oct-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0950	<0.0050	0.100	91.0	82 - 118	X442184 - X4J0146-01	18-Oct-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.00	<0.20	3.00	96.6	90 - 110	X441135 - X4J0180-01	09-Oct-24	
EPA 300.0	Chloride	mg/L	3.55	0.66	3.00	96.6	90 - 110	X441135 - X4J0194-01	09-Oct-24	
EPA 300.0	Fluoride	mg/L	2.03	<0.100	2.00	97.2	90 - 110	X441135 - X4J0180-01	09-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

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	Fluoride	mg/L	2.05	0.122	2.00	96.6	90 - 110	X441135 - X4J0194-01	09-Oct-24	
EPA 300.0	Nitrate as N	mg/L	1.93	<0.050	2.00	96.7	90 - 110	X441135 - X4J0180-01	09-Oct-24	
EPA 300.0	Nitrate as N	mg/L	2.11	0.188	2.00	96.0	90 - 110	X441135 - X4J0194-01	09-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.94	<0.100	4.00	98.5	90 - 110	X441135 - X4J0180-01	09-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.12	0.192	4.00	98.2	90 - 110	X441135 - X4J0194-01	09-Oct-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X441135 - X4J0180-01	09-Oct-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	101	90 - 110	X441135 - X4J0194-01	09-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	10.1	<0.30	10.0	98.0	90 - 110	X441135 - X4J0180-01	09-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	11.6	1.83	10.0	97.5	90 - 110	X441135 - X4J0194-01	09-Oct-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	Boron	mg/L	0.964	0.980	1.00	1.6	20	96.4	X441205 - X4J0180-01	
EPA 200.7	Calcium	mg/L	19.0	19.0	20.0	0.1	20	95	X441205 - X4J0180-01	
EPA 200.7	Iron	mg/L	9.72	9.73	10.0	0.1	20	97.2	X441205 - X4J0180-01	
EPA 200.7	Magnesium	mg/L	19.5	19.5	20.0	0.0	20	97.4	X441205 - X4J0180-01	
EPA 200.7	Phosphorus	mg/L	0.986	0.999	1.00	1.3	20	98.6	X441205 - X4J0180-01	
EPA 200.7	Potassium	mg/L	19.6	19.5	20.0	0.4	20	98.1	X441205 - X4J0180-01	
EPA 200.7	Sodium	mg/L	18.7	18.7	19.0	0.3	20	96.9	X441205 - X4J0180-01	
EPA 200.8	Arsenic	mg/L	<0.0500	<0.0500	0.0250	3.2	20	94.2	X441206 - X4J0218-05	D11
EPA 200.8	Chromium	mg/L	<0.0500	<0.0500	0.0250	10.2	20	80.8	X441206 - X4J0218-05	D11,M4
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.00	0.993	1.00	0.9	20	100	X443015 - X4J0181-01	
EPA 200.7	Barium	mg/L	1.05	1.04	1.00	1.2	20	101	X443015 - X4J0181-01	
EPA 200.7	Beryllium	mg/L	1.00	0.989	1.00	1.3	20	100	X443015 - X4J0181-01	
EPA 200.7	Boron	mg/L	1.02	0.999	1.00	2.5	20	99.9	X443015 - X4J0181-01	
EPA 200.7	Cadmium	mg/L	1.01	0.977	1.00	3.1	20	101	X443015 - X4J0181-01	
EPA 200.7	Calcium	mg/L	60.1	60.0	20.0	0.1	20	96.7	X443015 - X4J0181-01	
EPA 200.7	Chromium	mg/L	1.02	1.00	1.00	1.2	20	102	X443015 - X4J0181-01	
EPA 200.7	Cobalt	mg/L	0.966	0.938	1.00	3.0	20	96.6	X443015 - X4J0181-01	
EPA 200.7	Copper	mg/L	1.00	0.977	1.00	2.5	20	100	X443015 - X4J0181-01	
EPA 200.7	Iron	mg/L	10.8	10.8	10.0	0.1	20	98.8	X443015 - X4J0181-01	
EPA 200.7	Lead	mg/L	0.973	0.949	1.00	2.5	20	97.3	X443015 - X4J0181-01	
EPA 200.7	Lithium	mg/L	1.02	1.02	1.00	0.0	20	102	X443015 - X4J0181-01	
EPA 200.7	Magnesium	mg/L	30.8	30.7	20.0	0.4	20	99.7	X443015 - X4J0181-01	
EPA 200.7	Manganese	mg/L	1.20	1.19	1.00	0.3	20	100	X443015 - X4J0181-01	
EPA 200.7	Molybdenum	mg/L	0.995	0.971	1.00	2.4	20	97.8	X443015 - X4J0181-01	
EPA 200.7	Nickel	mg/L	0.964	0.963	1.00	0.2	20	96.4	X443015 - X4J0181-01	
EPA 200.7	Potassium	mg/L	22.4	22.4	20.0	0.4	20	101	X443015 - X4J0181-01	
EPA 200.7	Silver	mg/L	0.0473	0.0463	0.0500	2.1	20	94.6	X443015 - X4J0181-01	
EPA 200.7	Sodium	mg/L	33.9	34.0	19.0	0.4	20	97.4	X443015 - X4J0181-01	
EPA 200.7	Vanadium	mg/L	1.01	0.993	1.00	1.9	20	101	X443015 - X4J0181-01	
EPA 200.7	Zinc	mg/L	0.985	0.957	1.00	2.9	20	98.5	X443015 - X4J0181-01	
EPA 200.8	Antimony	mg/L	0.0263	0.0266	0.0250	1.0	20	101	X442005 - X4J0138-01	
EPA 200.8	Arsenic	mg/L	0.0245	0.0263	0.0250	7.1	20	98.1	X442005 - X4J0138-01	
EPA 200.8	Cadmium	mg/L	0.0257	0.0257	0.0250	0.1	20	103	X442005 - X4J0138-01	
EPA 200.8	Chromium	mg/L	0.0249	0.0264	0.0250	6.1	20	96.8	X442005 - X4J0138-01	
EPA 200.8	Copper	mg/L	0.0247	0.0262	0.0250	6.0	20	98.7	X442005 - X4J0138-01	
EPA 200.8	Lead	mg/L	0.0245	0.0248	0.0250	1.2	20	98.0	X442005 - X4J0138-01	
EPA 200.8	Selenium	mg/L	0.0246	0.0261	0.0250	5.9	20	95.4	X442005 - X4J0138-01	

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Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09
Work Order: **X4J0181**
Reported: 24-Oct-24 13:51

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.8	Silver	mg/L	0.0242	0.0245	0.0250	1.2	20	96.7	X442005 - X4J0138-01	
EPA 200.8	Thallium	mg/L	0.0245	0.0248	0.0250	1.3	20	97.9	X442005 - X4J0138-01	
EPA 200.8	Uranium	mg/L	0.0270	0.0273	0.0250	1.2	20	106	X442005 - X4J0138-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00200	0.00198	0.00200	0.9	20	99.8	X441113 - X4J0144-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.114	0.0930	0.100	20.3	11	114	X441170 - X4J0144-01	R4
EPA 335.4	Cyanide (total)	mg/L	0.103	0.102	0.100	1.1	20	103	X442002 - X4J0180-02	
EPA 350.1	Ammonia as N	mg/L	1.01	1.02	1.00	1.2	20	101	X441163 - X4J0180-02	
EPA 351.2	TKN	mg/L	7.94	8.20	8.00	3.2	20	99.3	X441150 - X4J0113-01	
OIA 1677	Cyanide (WAD)	mg/L	0.0960	0.0950	0.100	1.1	11	92.0	X442184 - X4J0146-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.03	3.00	3.00	1.0	20	97.6	X441135 - X4J0180-01	
EPA 300.0	Fluoride	mg/L	2.05	2.03	2.00	0.9	20	98.1	X441135 - X4J0180-01	
EPA 300.0	Nitrate as N	mg/L	1.96	1.93	2.00	1.2	20	97.9	X441135 - X4J0180-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.00	3.94	4.00	1.4	20	99.9	X441135 - X4J0180-01	
EPA 300.0	Nitrite as N	mg/L	2.04	2.01	2.00	1.7	20	102	X441135 - X4J0180-01	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.1	10.0	1.2	20	99.2	X441135 - X4J0180-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024 / 2024-09**
Post Office Box 191	Work Order: **X4J0181**
Victor, CO 80860	Reported: 24-Oct-24 13:51

Notes and Definitions

D11	Due to sample color, a sample dilution was performed to minimize spectral interference.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
R2B	RPD exceeded the laboratory acceptance limit.
R4	MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
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	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4J0238**
Victor, CO 80860	Reported: 28-Oct-24 13:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
CRMW-3B	X4J0238-01	Ground Water	10-Oct-24 10:54	TR	11-Oct-2024	
CRMW-3C	X4J0238-02	Ground Water	10-Oct-24 10:58	TR	11-Oct-2024	
CRMW-3A	X4J0238-03	Ground Water	10-Oct-24 11:45	TR	11-Oct-2024	

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

Case Narrative: X4J0238

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: **X4J0238**
Reported: 28-Oct-24 13:35

Client Sample ID: **CRMW-3B**
SVL Sample ID: **X4J0238-01 (Ground Water)**

Sampled: 10-Oct-24 10:54
Received: 11-Oct-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**	276	mg/L	0.100	0.069		X442019	SJN	10/16/24 14:24	
EPA 200.7	**Magnesium**	66.6	mg/L	0.500	0.090		X442019	SJN	10/16/24 14:24	
EPA 200.7	**Potassium**	9.95	mg/L	0.50	0.18		X442019	SJN	10/16/24 14:24	
SM 2340 B	**Hardness (as CaCO3)**	1000	mg/L	2.31	0.543		N/A		10/16/24 14:24	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Barium**	0.0136	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 10:30	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Boron**	0.0826	mg/L	0.0400	0.0078		X443015	NMS	10/24/24 10:30	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Calcium**	286	mg/L	0.100	0.069		X443015	NMS	10/24/24 10:30	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Cobalt**	0.0166	mg/L	0.0060	0.0046		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Copper**	0.0806	mg/L	0.0100	0.0027		X443015	NMS	10/24/24 10:30	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X443015	NMS	10/24/24 10:30	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Lithium**	0.101	mg/L	0.040	0.025		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Magnesium**	70.1	mg/L	0.500	0.090		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Manganese**	2.38	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:30	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:30	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Potassium**	10.1	mg/L	0.50	0.18		X443015	NMS	10/24/24 10:30	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Sodium**	87.5	mg/L	0.50	0.12		X443015	NMS	10/24/24 10:30	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:30	
EPA 200.7	**Zinc**	0.0786	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 10:30	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442006	SMU	10/22/24 17:54	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X442006	SMU	10/22/24 17:54	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X442006	SMU	10/22/24 17:54	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442006	SMU	10/22/24 17:54	
EPA 200.8	**Uranium**	0.0249	mg/L	0.000100	0.000052		X442006	SMU	10/22/24 17:54	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X442063	MAC	10/16/24 14:51	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X443191	DD	10/25/24 13:28	H1
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X443007	JPM	10/22/24 14:02	
EPA 350.1	**Ammonia as N**	0.091	mg/L	0.030	0.013		X442060	DD	10/16/24 09:57	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442185	DD	10/18/24 10:13	
SM 2310 B	**Acidity to pH 8.3**	-147	mg/L as CaCO3	10.0			X443009	MWD	10/22/24 13:09	
SM 2320 B	**Total Alkalinity**	154	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 11:55	
SM 2320 B	**Bicarbonate**	154	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 11:55	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 11:55	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 11:55	
SM 2540 C	**Total Diss. Solids**	1590	mg/L	40			X441222	TJL	10/15/24 12:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X441223	TJL	10/15/24 11:30	
SM 4500 H B	**pH @19.3°C**	7.0	pH Units				X442056	MWD	10/15/24 11:55	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: **X4J0238**
Reported: 28-Oct-24 13:35

Client Sample ID: **CRMW-3B**
SVL Sample ID: **X4J0238-01 (Ground Water)**

Sampled: 10-Oct-24 10:54
Received: 11-Oct-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	218	mg/L	10.0	1.10	50	X441211	RS	10/11/24 21:10	
EPA 300.0	**Fluoride**	3.76	mg/L	0.100	0.017		X441211	RS	10/11/24 20:51	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X441211	RS	10/11/24 20:51	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X441211	RS	10/11/24 20:51	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441211	RS	10/11/24 20:51	
EPA 300.0	**Sulfate as SO4**	766	mg/L	15.0	9.00	50	X441211	RS	10/11/24 21:10	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 23.4 meq/L Anion Sum: 25.4 meq/L C/A Balance: -3.98 % Calculated TDS: 1527 TDS/cTDS: 1.04

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

Kristi A. Groth

Kristi A. Groth
Sample Preparation Technician

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(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: **X4J0238**
Reported: 28-Oct-24 13:35

Client Sample ID: **CRMW-3C**
SVL Sample ID: **X4J0238-02 (Ground Water)**

Sampled: 10-Oct-24 10:58
Received: 11-Oct-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**	257	mg/L	0.100	0.069		X442019	SJN	10/16/24 14:29	
EPA 200.7	**Magnesium**	51.7	mg/L	0.500	0.090		X442019	SJN	10/16/24 14:29	
EPA 200.7	**Potassium**	7.02	mg/L	0.50	0.18		X442019	SJN	10/16/24 14:29	
SM 2340 B	**Hardness (as CaCO3)**	869	mg/L	2.31	0.543		N/A		10/16/24 14:29	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Barium**	0.0114	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 10:33	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Boron**	0.0687	mg/L	0.0400	0.0078		X443015	NMS	10/24/24 10:33	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Calcium**	267	mg/L	0.100	0.069		X443015	NMS	10/24/24 10:33	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Cobalt**	0.0207	mg/L	0.0060	0.0046		X443015	NMS	10/24/24 10:33	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Iron**	0.176	mg/L	0.100	0.056		X443015	NMS	10/24/24 10:33	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Lithium**	0.085	mg/L	0.040	0.025		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Magnesium**	55.4	mg/L	0.500	0.090		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Manganese**	2.53	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:33	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:33	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Potassium**	7.33	mg/L	0.50	0.18		X443015	NMS	10/24/24 10:33	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Sodium**	69.4	mg/L	0.50	0.12		X443015	NMS	10/24/24 10:33	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:33	
EPA 200.7	**Zinc**	0.0329	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 10:33	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442006	SMU	10/22/24 17:57	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X442006	SMU	10/22/24 17:57	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X442006	SMU	10/22/24 17:57	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442006	SMU	10/22/24 17:57	
EPA 200.8	**Uranium**	0.0250	mg/L	0.000100	0.000052		X442006	SMU	10/22/24 17:57	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X442063	MAC	10/16/24 14:53	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X443191	DD	10/25/24 13:30	H1
EPA 335.4	**Cyanide (total)**	0.0056	mg/L	0.0050	0.0038		X443007	JPM	10/22/24 14:05	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X442060	DD	10/16/24 10:01	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442185	DD	10/18/24 10:14	
SM 2310 B	**Acidity to pH 8.3**	-147	mg/L as CaCO3	10.0			X443009	MWD	10/22/24 13:09	
SM 2320 B	**Total Alkalinity**	155	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 12:00	
SM 2320 B	**Bicarbonate**	155	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 12:00	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 12:00	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 12:00	
SM 2540 C	**Total Diss. Solids**	1400	mg/L	10			X441222	TJL	10/15/24 12:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X441223	TJL	10/15/24 11:30	
SM 4500 H B	**pH @19.4°C**	7.2	pH Units				X442056	MWD	10/15/24 12:00	H5

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0238**
Reported: 28-Oct-24 13:35

Client Sample ID: **CRMW-3C**
SVL Sample ID: **X4J0238-02 (Ground Water)**

Sampled: 10-Oct-24 10:58
Received: 11-Oct-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	184	mg/L	10.0	1.10	50	X441211	RS	10/11/24 21:47	
EPA 300.0	**Fluoride**	3.14	mg/L	0.100	0.017		X441211	RS	10/11/24 21:28	
EPA 300.0	**Nitrate as N**	0.181	mg/L	0.050	0.013		X441211	RS	10/11/24 21:28	
EPA 300.0	**Nitrate+Nitrite as N**	0.203	mg/L	0.100	0.044		X441211	RS	10/11/24 21:28	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441211	RS	10/11/24 21:28	
EPA 300.0	**Sulfate as SO4**	667	mg/L	15.0	9.00	50	X441211	RS	10/11/24 21:47	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 20.4 meq/L Anion Sum: 22.4 meq/L C/A Balance: -4.58 % Calculated TDS: 1340 TDS/cTDS: 1.04

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

Kristi A. Groth

Kristi A. Groth
Sample Preparation Technician

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0238**
Reported: 28-Oct-24 13:35

Client Sample ID: **CRMW-3A**
SVL Sample ID: **X4J0238-03 (Ground Water)**

Sampled: 10-Oct-24 11:45
Received: 11-Oct-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**	304	mg/L	0.100	0.069		X442019	SJN	10/16/24 14:33	
EPA 200.7	**Magnesium**	85.7	mg/L	0.500	0.090		X442019	SJN	10/16/24 14:33	
EPA 200.7	**Potassium**	11.2	mg/L	0.50	0.18		X442019	SJN	10/16/24 14:33	
SM 2340 B	**Hardness (as CaCO3)**	1150	mg/L	2.31	0.543		N/A		10/16/24 14:33	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Barium**	0.0299	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 10:37	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Boron**	0.107	mg/L	0.0400	0.0078		X443015	NMS	10/24/24 10:37	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Calcium**	313	mg/L	0.100	0.069		X443015	NMS	10/24/24 10:37	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Cobalt**	0.0257	mg/L	0.0060	0.0046		X443015	NMS	10/24/24 10:37	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X443015	NMS	10/24/24 10:37	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X443015	NMS	10/24/24 10:37	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Lithium**	0.133	mg/L	0.040	0.025		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Magnesium**	90.5	mg/L	0.500	0.090		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Manganese**	0.0169	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Molybdenum**	0.0687	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:37	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Potassium**	11.5	mg/L	0.50	0.18		X443015	NMS	10/24/24 10:37	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Sodium**	106	mg/L	0.50	0.12		X443015	NMS	10/24/24 10:37	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:37	
EPA 200.7	**Zinc**	0.0175	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 10:37	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442006	SMU	10/22/24 18:01	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X442006	SMU	10/22/24 18:01	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X442006	SMU	10/22/24 18:01	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442006	SMU	10/22/24 18:01	
EPA 200.8	**Uranium**	0.0193	mg/L	0.000100	0.000052		X442006	SMU	10/22/24 18:01	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X442063	MAC	10/16/24 14:55	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X443191	DD	10/25/24 13:32	H1
EPA 335.4	**Cyanide (total)**	0.0270	mg/L	0.0050	0.0038		X443007	JPM	10/22/24 14:08	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X442060	DD	10/16/24 10:03	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442185	DD	10/18/24 10:20	
SM 2310 B	**Acidity to pH 8.3**	-117	mg/L as CaCO3	10.0			X443009	MWD	10/22/24 13:09	
SM 2320 B	**Total Alkalinity**	121	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 12:05	
SM 2320 B	**Bicarbonate**	121	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 12:05	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 12:05	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 12:05	
SM 2540 C	**Total Diss. Solids**	1760	mg/L	40			X441222	TJL	10/15/24 12:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X441223	TJL	10/15/24 11:30	
SM 4500 H B	**pH @19.6°C**	6.8	pH Units				X442056	MWD	10/15/24 12:05	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: **X4J0238**
Reported: 28-Oct-24 13:35

Client Sample ID: **CRMW-3A**
SVL Sample ID: **X4J0238-03 (Ground Water)**

Sampled: 10-Oct-24 11:45
Received: 11-Oct-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	242	mg/L	10.0	1.10	50	X441211	RS	10/11/24 22:24	
EPA 300.0	**Fluoride**	3.93	mg/L	0.100	0.017		X441211	RS	10/11/24 22:05	
EPA 300.0	**Nitrate as N**	2.88	mg/L	0.050	0.013		X441211	RS	10/11/24 22:05	
EPA 300.0	**Nitrate+Nitrite as N**	2.88	mg/L	0.100	0.044		X441211	RS	10/11/24 22:05	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441211	RS	10/11/24 22:05	
EPA 300.0	**Sulfate as SO4**	964	mg/L	15.0	9.00	50	X441211	RS	10/11/24 22:24	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 27.2 meq/L Anion Sum: 29.7 meq/L C/A Balance: -4.54 % Calculated TDS: 1809 TDS/cTDS: 0.97

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

Kristi A. Groth

Kristi A. Groth
Sample Preparation Technician

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0238**
Reported: 28-Oct-24 13:35

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X442019	16-Oct-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X442019	16-Oct-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X442019	16-Oct-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X443015	24-Oct-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X443015	24-Oct-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X443015	24-Oct-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X443015	24-Oct-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X443015	24-Oct-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X443015	24-Oct-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X443015	24-Oct-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X443015	24-Oct-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X443015	24-Oct-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X443015	24-Oct-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X443015	24-Oct-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X443015	24-Oct-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X443015	24-Oct-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X443015	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X443015	24-Oct-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X443015	24-Oct-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X443015	24-Oct-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X443015	24-Oct-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X443015	24-Oct-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X443015	24-Oct-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X443015	24-Oct-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X442006	21-Oct-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X442006	21-Oct-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X442006	21-Oct-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X442006	21-Oct-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X442006	21-Oct-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X442063	16-Oct-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X443191	25-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X443007	22-Oct-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X442060	16-Oct-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X442185	18-Oct-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X443009	22-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X442056	15-Oct-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X442056	15-Oct-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X442056	15-Oct-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X442056	15-Oct-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X441222	15-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X441223	15-Oct-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X441211	11-Oct-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X441211	11-Oct-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X441211	11-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X441211	11-Oct-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X441211	11-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X441211	11-Oct-24	

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0238**
Reported: 28-Oct-24 13:35

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.2	20.0	96	85 - 115	X442019	16-Oct-24	
EPA 200.7	Magnesium	mg/L	19.2	20.0	96.2	85 - 115	X442019	16-Oct-24	
EPA 200.7	Potassium	mg/L	19.8	20.0	98.9	85 - 115	X442019	16-Oct-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.946	1.00	94.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Barium	mg/L	0.963	1.00	96.3	85 - 115	X443015	24-Oct-24	
EPA 200.7	Beryllium	mg/L	0.957	1.00	95.7	85 - 115	X443015	24-Oct-24	
EPA 200.7	Boron	mg/L	0.931	1.00	93.1	85 - 115	X443015	24-Oct-24	
EPA 200.7	Cadmium	mg/L	0.931	1.00	93.1	85 - 115	X443015	24-Oct-24	
EPA 200.7	Calcium	mg/L	18.8	20.0	93.9	85 - 115	X443015	24-Oct-24	
EPA 200.7	Chromium	mg/L	0.976	1.00	97.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Cobalt	mg/L	0.909	1.00	90.9	85 - 115	X443015	24-Oct-24	
EPA 200.7	Copper	mg/L	0.952	1.00	95.2	85 - 115	X443015	24-Oct-24	
EPA 200.7	Iron	mg/L	9.59	10.0	95.9	85 - 115	X443015	24-Oct-24	
EPA 200.7	Lead	mg/L	0.927	1.00	92.7	85 - 115	X443015	24-Oct-24	
EPA 200.7	Lithium	mg/L	0.981	1.00	98.1	85 - 115	X443015	24-Oct-24	
EPA 200.7	Magnesium	mg/L	19.2	20.0	95.8	85 - 115	X443015	24-Oct-24	
EPA 200.7	Manganese	mg/L	0.960	1.00	96.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	0.935	1.00	93.5	85 - 115	X443015	24-Oct-24	
EPA 200.7	Nickel	mg/L	0.920	1.00	92.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Potassium	mg/L	19.4	20.0	97.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Silver	mg/L	0.0468	0.0500	93.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Sodium	mg/L	17.9	19.0	94.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Vanadium	mg/L	0.966	1.00	96.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Zinc	mg/L	0.919	1.00	91.9	85 - 115	X443015	24-Oct-24	
EPA 200.8	Antimony	mg/L	0.0241	0.0250	96.4	85 - 115	X442006	21-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0253	0.0250	101	85 - 115	X442006	21-Oct-24	
EPA 200.8	Selenium	mg/L	0.0256	0.0250	103	85 - 115	X442006	21-Oct-24	
EPA 200.8	Thallium	mg/L	0.0254	0.0250	102	85 - 115	X442006	21-Oct-24	
EPA 200.8	Uranium	mg/L	0.0262	0.0250	105	85 - 115	X442006	21-Oct-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00188	0.00200	94.2	85 - 115	X442063	16-Oct-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0970	0.100	97.0	90 - 110	X443191	25-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X443007	22-Oct-24	
EPA 350.1	Ammonia as N	mg/L	1.06	1.00	106	90 - 110	X442060	16-Oct-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0990	0.100	99.0	90 - 110	X442185	18-Oct-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	898	884	102	95.4 - 104	X443009	22-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.1	9.93	102	96.4 - 105	X442056	15-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	96.4 - 105	X442056	15-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	402	397	101	96.4 - 105	X442056	15-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X441223	15-Oct-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	98.9	90 - 110	X441211	11-Oct-24	
EPA 300.0	Fluoride	mg/L	2.01	2.00	100	90 - 110	X441211	11-Oct-24	
EPA 300.0	Nitrate as N	mg/L	2.04	2.00	102	90 - 110	X441211	11-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.60	4.50	102	90 - 110	X441211	11-Oct-24	
EPA 300.0	Nitrite as N	mg/L	2.56	2.50	102	90 - 110	X441211	11-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X441211	11-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0238**
Reported: 28-Oct-24 13:35

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X443009 - X4J0183-01	22-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	50.0	49.3	1.4	20	X442056 - X4J0214-01	15-Oct-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	50.0	49.3	1.4	20	X442056 - X4J0214-01	15-Oct-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X442056 - X4J0214-01	15-Oct-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X442056 - X4J0214-01	15-Oct-24	
SM 2540 C	Total Diss. Solids	mg/L	1340	1400	4.0	10	X441222 - X4J0238-02	15-Oct-24	
SM 2540 C	Total Diss. Solids	mg/L	580	589	1.5	10	X441222 - X4J0221-01	15-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X441223 - X4J0238-02	15-Oct-24	
SM 4500 H B	pH @18.4°C	pH Units	7.0	7.0	0.6	20	X442056 - X4J0214-01	15-Oct-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	271	258	20.0	0.30R>S	70 - 130	X442019 - X4J0236-01	16-Oct-24	M3
EPA 200.7	Calcium	mg/L	58.5	40.0	20.0	92	70 - 130	X442019 - X4J0251-05	16-Oct-24	
EPA 200.7	Magnesium	mg/L	71.7	52.9	20.0	94.2	70 - 130	X442019 - X4J0236-01	16-Oct-24	
EPA 200.7	Magnesium	mg/L	19.9	0.772	20.0	95.8	70 - 130	X442019 - X4J0251-05	16-Oct-24	
EPA 200.7	Potassium	mg/L	27.8	7.11	20.0	103	70 - 130	X442019 - X4J0236-01	16-Oct-24	
EPA 200.7	Potassium	mg/L	20.6	0.77	20.0	99.3	70 - 130	X442019 - X4J0251-05	16-Oct-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.993	<0.080	1.00	99.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Aluminum	mg/L	0.983	<0.080	1.00	98.3	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Barium	mg/L	1.04	0.0411	1.00	100	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Barium	mg/L	1.02	0.0249	1.00	99.8	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Beryllium	mg/L	0.989	<0.00200	1.00	98.9	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Beryllium	mg/L	0.987	<0.00200	1.00	98.7	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Boron	mg/L	0.999	<0.0400	1.00	97.4	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Boron	mg/L	1.03	0.0542	1.00	97.5	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Cadmium	mg/L	0.977	<0.0020	1.00	97.7	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Cadmium	mg/L	0.989	<0.0020	1.00	98.9	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Calcium	mg/L	60.0	40.7	20.0	96.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Calcium	mg/L	210	188	20.0	110	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Chromium	mg/L	1.00	<0.0060	1.00	100	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Chromium	mg/L	0.998	<0.0060	1.00	99.8	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Cobalt	mg/L	0.938	<0.0060	1.00	93.8	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Cobalt	mg/L	0.935	<0.0060	1.00	93.5	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Copper	mg/L	0.977	<0.0100	1.00	97.7	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Copper	mg/L	0.980	<0.0100	1.00	98.0	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Iron	mg/L	10.8	0.947	10.0	98.9	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Iron	mg/L	9.81	<0.100	10.0	98.1	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Lead	mg/L	0.949	<0.0075	1.00	94.9	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Lead	mg/L	0.942	<0.0075	1.00	94.2	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Lithium	mg/L	1.02	<0.040	1.00	102	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Lithium	mg/L	1.05	<0.040	1.00	102	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Magnesium	mg/L	30.7	10.8	20.0	99.1	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Magnesium	mg/L	37.2	17.3	20.0	99.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Manganese	mg/L	1.19	0.193	1.00	100	70 - 130	X443015 - X4J0181-01	24-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0238**
Reported: 28-Oct-24 13:35

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.12	0.123	1.00	99.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	0.971	0.0167	1.00	95.4	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	0.979	<0.0080	1.00	97.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Nickel	mg/L	0.963	<0.0100	1.00	96.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Nickel	mg/L	0.936	<0.0100	1.00	93.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Potassium	mg/L	22.4	2.16	20.0	101	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Potassium	mg/L	24.0	3.46	20.0	102	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Silver	mg/L	0.0463	<0.0050	0.0500	92.6	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Silver	mg/L	0.0482	<0.0050	0.0500	96.5	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Sodium	mg/L	34.0	15.4	19.0	98.1	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Sodium	mg/L	63.4	44.3	19.0	101	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Vanadium	mg/L	0.993	<0.0050	1.00	99.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Vanadium	mg/L	0.999	<0.0050	1.00	99.9	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Zinc	mg/L	0.957	<0.0100	1.00	95.7	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Zinc	mg/L	0.957	<0.0100	1.00	95.0	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.8	Antimony	mg/L	0.0244	<0.00100	0.0250	97.6	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Antimony	mg/L	0.0275	<0.00100	0.0250	110	70 - 130	X442006 - X4J0236-01	22-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0258	<0.00100	0.0250	101	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0301	<0.00100	0.0250	118	70 - 130	X442006 - X4J0236-01	22-Oct-24	
EPA 200.8	Selenium	mg/L	0.0234	<0.00100	0.0250	93.6	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Selenium	mg/L	0.0301	<0.00100	0.0250	120	70 - 130	X442006 - X4J0236-01	22-Oct-24	
EPA 200.8	Thallium	mg/L	0.0251	<0.000200	0.0250	100	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Thallium	mg/L	0.0285	<0.000200	0.0250	114	70 - 130	X442006 - X4J0236-01	22-Oct-24	
EPA 200.8	Uranium	mg/L	0.0305	0.00416	0.0250	105	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Uranium	mg/L	0.0561	0.0262	0.0250	120	70 - 130	X442006 - X4J0236-01	22-Oct-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00197	<0.000200	0.00200	98.5	70 - 130	X442063 - X4J0236-01	16-Oct-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0840	<0.0050	0.100	84.0	79 - 121	X443191 - X4J0233-01	25-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	0.100	<0.0050	0.100	96.5	90 - 110	X443007 - X4J0238-01	22-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	0.0247	<0.0050	0.100	20.5	90 - 110	X443007 - X4J0233-01	22-Oct-24	M2
EPA 350.1	Ammonia as N	mg/L	1.16	0.091	1.00	107	90 - 110	X442060 - X4J0238-01	16-Oct-24	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X442060 - X4J0238-02	16-Oct-24	
OIA 1677	Cyanide (WAD)	mg/L	0.104	<0.0050	0.100	103	82 - 118	X442185 - X4J0214-01	18-Oct-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	10.9	8.01	3.00	97.5	90 - 110	X441211 - X4J0251-03	12-Oct-24	
EPA 300.0	Chloride	mg/L	4.15	1.14	3.00	100	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Fluoride	mg/L	2.04	0.135	2.00	95.3	90 - 110	X441211 - X4J0251-03	12-Oct-24	
EPA 300.0	Fluoride	mg/L	2.02	<0.100	2.00	96.3	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Nitrate as N	mg/L	14.2	12.5	2.00	0.30R>S	90 - 110	X441211 - X4J0251-03	12-Oct-24	M4
EPA 300.0	Nitrate as N	mg/L	2.04	0.077	2.00	98.3	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	16.3	12.5	4.00	94.6	90 - 110	X441211 - X4J0251-03	12-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.05	<0.100	4.00	98.8	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Nitrite as N	mg/L	2.06	0.052	2.00	101	90 - 110	X441211 - X4J0251-03	12-Oct-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	117	109	10.0	0.30R>S	90 - 110	X441211 - X4J0251-03	12-Oct-24	M4
EPA 300.0	Sulfate as SO4	mg/L	35.1	25.3	10.0	98.0	90 - 110	X441211 - X4J0251-05	12-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0238**
Reported: 28-Oct-24 13:35

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	272	271	20.0	0.2	20	70	X442019 - X4J0236-01	
EPA 200.7	Magnesium	mg/L	71.4	71.7	20.0	0.5	20	92.5	X442019 - X4J0236-01	
EPA 200.7	Potassium	mg/L	27.6	27.8	20.0	0.8	20	102	X442019 - X4J0236-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.00	0.993	1.00	0.9	20	100	X443015 - X4J0181-01	
EPA 200.7	Barium	mg/L	1.05	1.04	1.00	1.2	20	101	X443015 - X4J0181-01	
EPA 200.7	Beryllium	mg/L	1.00	0.989	1.00	1.3	20	100	X443015 - X4J0181-01	
EPA 200.7	Boron	mg/L	1.02	0.999	1.00	2.5	20	99.9	X443015 - X4J0181-01	
EPA 200.7	Cadmium	mg/L	1.01	0.977	1.00	3.1	20	101	X443015 - X4J0181-01	
EPA 200.7	Calcium	mg/L	60.1	60.0	20.0	0.1	20	96.7	X443015 - X4J0181-01	
EPA 200.7	Chromium	mg/L	1.02	1.00	1.00	1.2	20	102	X443015 - X4J0181-01	
EPA 200.7	Cobalt	mg/L	0.966	0.938	1.00	3.0	20	96.6	X443015 - X4J0181-01	
EPA 200.7	Copper	mg/L	1.00	0.977	1.00	2.5	20	100	X443015 - X4J0181-01	
EPA 200.7	Iron	mg/L	10.8	10.8	10.0	0.1	20	98.8	X443015 - X4J0181-01	
EPA 200.7	Lead	mg/L	0.973	0.949	1.00	2.5	20	97.3	X443015 - X4J0181-01	
EPA 200.7	Lithium	mg/L	1.02	1.02	1.00	0.0	20	102	X443015 - X4J0181-01	
EPA 200.7	Magnesium	mg/L	30.8	30.7	20.0	0.4	20	99.7	X443015 - X4J0181-01	
EPA 200.7	Manganese	mg/L	1.20	1.19	1.00	0.3	20	100	X443015 - X4J0181-01	
EPA 200.7	Molybdenum	mg/L	0.995	0.971	1.00	2.4	20	97.8	X443015 - X4J0181-01	
EPA 200.7	Nickel	mg/L	0.964	0.963	1.00	0.2	20	96.4	X443015 - X4J0181-01	
EPA 200.7	Potassium	mg/L	22.4	22.4	20.0	0.4	20	101	X443015 - X4J0181-01	
EPA 200.7	Silver	mg/L	0.0473	0.0463	0.0500	2.1	20	94.6	X443015 - X4J0181-01	
EPA 200.7	Sodium	mg/L	33.9	34.0	19.0	0.4	20	97.4	X443015 - X4J0181-01	
EPA 200.7	Vanadium	mg/L	1.01	0.993	1.00	1.9	20	101	X443015 - X4J0181-01	
EPA 200.7	Zinc	mg/L	0.985	0.957	1.00	2.9	20	98.5	X443015 - X4J0181-01	
EPA 200.8	Antimony	mg/L	0.0249	0.0244	0.0250	1.9	20	99.4	X442006 - X4J0146-01	
EPA 200.8	Arsenic	mg/L	0.0258	0.0258	0.0250	0.3	20	101	X442006 - X4J0146-01	
EPA 200.8	Selenium	mg/L	0.0261	0.0234	0.0250	10.9	20	104	X442006 - X4J0146-01	
EPA 200.8	Thallium	mg/L	0.0253	0.0251	0.0250	0.9	20	101	X442006 - X4J0146-01	
EPA 200.8	Uranium	mg/L	0.0310	0.0305	0.0250	1.9	20	107	X442006 - X4J0146-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	0.00197	0.00200	2.7	20	101	X442063 - X4J0236-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0910	0.0840	0.100	8.0	11	91.0	X443191 - X4J0233-01	
EPA 335.4	Cyanide (total)	mg/L	0.0994	0.100	0.100	1.0	20	95.5	X443007 - X4J0238-01	
EPA 350.1	Ammonia as N	mg/L	1.14	1.16	1.00	1.9	20	105	X442060 - X4J0238-01	
OIA 1677	Cyanide (WAD)	mg/L	0.105	0.104	0.100	1.0	11	104	X442185 - X4J0214-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	11.0	10.9	3.00	0.5	20	99.4	X441211 - X4J0251-03	
EPA 300.0	Fluoride	mg/L	2.08	2.04	2.00	1.9	20	97.2	X441211 - X4J0251-03	
EPA 300.0	Nitrate as N	mg/L	14.2	14.2	2.00	0.1	20	0.30R>S	X441211 - X4J0251-03	M4
EPA 300.0	Nitrate+Nitrite as N	mg/L	16.3	16.3	4.00	0.2	20	95.2	X441211 - X4J0251-03	
EPA 300.0	Nitrite as N	mg/L	2.11	2.06	2.00	2.3	20	103	X441211 - X4J0251-03	
EPA 300.0	Sulfate as SO4	mg/L	117	117	10.0	0.1	20	0.30R>S	X441211 - X4J0251-03	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4J0238**
Victor, CO 80860	Reported: 28-Oct-24 13:35

Notes and Definitions

H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
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: **X4J0236**
Victor, CO 80860	Reported: 28-Oct-24 13:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
CRMW-103H	X4J0236-01	Ground Water	10-Oct-24 10:58	TR	11-Oct-2024	

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

Case Narrative: X4J0236

The state of origin only accredits for drinking water analyses.

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0236**
Reported: 28-Oct-24 13:20

Client Sample ID: **CRMW-103H**
SVL Sample ID: **X4J0236-01 (Ground Water)**

Sampled: 10-Oct-24 10:58
Received: 11-Oct-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**	258	mg/L	0.100	0.069		X442019	SJN	10/16/24 14:20	M3
EPA 200.7	**Magnesium**	52.9	mg/L	0.500	0.090		X442019	SJN	10/16/24 14:20	
EPA 200.7	**Potassium**	7.11	mg/L	0.50	0.18		X442019	SJN	10/16/24 14:20	
SM 2340 B	**Hardness (as CaCO3)**	862	mg/L	2.31	0.543		N/A		10/24/24 10:26	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Barium**	0.0116	mg/L	0.0020	0.0019		X443015	NMS	10/24/24 10:26	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Boron**	0.0685	mg/L	0.0400	0.0078		X443015	NMS	10/24/24 10:26	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Calcium**	266	mg/L	0.100	0.069		X443015	NMS	10/24/24 10:26	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Cobalt**	0.0195	mg/L	0.0060	0.0046		X443015	NMS	10/24/24 10:26	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Iron**	0.183	mg/L	0.100	0.056		X443015	NMS	10/24/24 10:26	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Lithium**	0.085	mg/L	0.040	0.025		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Magnesium**	55.7	mg/L	0.500	0.090		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Manganese**	2.55	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:26	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X443015	NMS	10/24/24 10:26	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Potassium**	7.23	mg/L	0.50	0.18		X443015	NMS	10/24/24 10:26	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Sodium**	69.2	mg/L	0.50	0.12		X443015	NMS	10/24/24 10:26	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X443015	NMS	10/24/24 10:26	
EPA 200.7	**Zinc**	0.0324	mg/L	0.0100	0.0054		X443015	NMS	10/24/24 10:26	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X442006	SMU	10/22/24 17:48	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X442006	SMU	10/22/24 17:48	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X442006	SMU	10/22/24 17:48	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X442006	SMU	10/22/24 17:48	
EPA 200.8	**Uranium**	0.0262	mg/L	0.000100	0.000052		X442006	SMU	10/22/24 17:48	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X442063	MAC	10/16/24 14:49	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @22.0°C	< 0.0050	mg/L	0.0050	0.0048		X443191	DD	10/25/24 13:26	H1
EPA 335.4	**Cyanide (total)**	0.0055	mg/L	0.0050	0.0038		X443007	JPM	10/22/24 14:00	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X442060	DD	10/16/24 09:55	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X442185	DD	10/18/24 10:11	
SM 2310 B	**Acidity to pH 8.3**	-147	mg/L as CaCO3	10.0			X443010	MWD	10/22/24 13:05	
SM 2320 B	**Total Alkalinity**	155	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 11:49	
SM 2320 B	**Bicarbonate**	155	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 11:49	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 11:49	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X442056	MWD	10/15/24 11:49	
SM 2540 C	**Total Diss. Solids**	1370	mg/L	10			X441222	TJL	10/15/24 12:30	
SM 2540 D	**Total Susp. Solids**	5.0	mg/L	5.0			X441223	TJL	10/15/24 11:30	
SM 4500 H B	**pH @19.3°C**	7.1	pH Units				X442056	MWD	10/15/24 11:49	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: **X4J0236**
Reported: 28-Oct-24 13:20

Client Sample ID: **CRMW-103H**
SVL Sample ID: **X4J0236-01 (Ground Water)**

Sampled: 10-Oct-24 10:58
Received: 11-Oct-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	184	mg/L	10.0	1.10	50	X441211	RS	10/11/24 18:42	
EPA 300.0	**Fluoride**	3.18	mg/L	0.100	0.017		X441211	RS	10/11/24 18:24	
EPA 300.0	**Nitrate as N**	0.176	mg/L	0.050	0.013		X441211	RS	10/11/24 18:24	
EPA 300.0	**Nitrate+Nitrite as N**	0.198	mg/L	0.100	0.044		X441211	RS	10/11/24 18:24	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X441211	RS	10/11/24 18:24	
EPA 300.0	**Sulfate as SO4**	670	mg/L	15.0	9.00	50	X441211	RS	10/11/24 18:42	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 20.5 meq/L Anion Sum: 22.4 meq/L C/A Balance: -4.38 % Calculated TDS: 1344 TDS/cTDS: 1.02

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

Kristi A. Groth

Kristi A. Groth
Sample Preparation Technician

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0236**
Reported: 28-Oct-24 13:20

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	X442019	16-Oct-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X442019	16-Oct-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X442019	16-Oct-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X443015	24-Oct-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X443015	24-Oct-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X443015	24-Oct-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X443015	24-Oct-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X443015	24-Oct-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X443015	24-Oct-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X443015	24-Oct-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X443015	24-Oct-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X443015	24-Oct-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X443015	24-Oct-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X443015	24-Oct-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X443015	24-Oct-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X443015	24-Oct-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X443015	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X443015	24-Oct-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X443015	24-Oct-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X443015	24-Oct-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X443015	24-Oct-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X443015	24-Oct-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X443015	24-Oct-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X443015	24-Oct-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X442006	21-Oct-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X442006	21-Oct-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X442006	21-Oct-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X442006	21-Oct-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X442006	21-Oct-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X442063	16-Oct-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X443191	25-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X443007	22-Oct-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X442060	16-Oct-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X442185	18-Oct-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X443010	22-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X442056	15-Oct-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X442056	15-Oct-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X442056	15-Oct-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X442056	15-Oct-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X441222	15-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X441223	15-Oct-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X441211	11-Oct-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X441211	11-Oct-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X441211	11-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X441211	11-Oct-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X441211	11-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X441211	11-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0236**
Reported: 28-Oct-24 13:20

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.2	20.0	96	85 - 115	X442019	16-Oct-24	
EPA 200.7	Magnesium	mg/L	19.2	20.0	96.2	85 - 115	X442019	16-Oct-24	
EPA 200.7	Potassium	mg/L	19.8	20.0	98.9	85 - 115	X442019	16-Oct-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.946	1.00	94.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Barium	mg/L	0.963	1.00	96.3	85 - 115	X443015	24-Oct-24	
EPA 200.7	Beryllium	mg/L	0.957	1.00	95.7	85 - 115	X443015	24-Oct-24	
EPA 200.7	Boron	mg/L	0.931	1.00	93.1	85 - 115	X443015	24-Oct-24	
EPA 200.7	Cadmium	mg/L	0.931	1.00	93.1	85 - 115	X443015	24-Oct-24	
EPA 200.7	Calcium	mg/L	18.8	20.0	93.9	85 - 115	X443015	24-Oct-24	
EPA 200.7	Chromium	mg/L	0.976	1.00	97.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Cobalt	mg/L	0.909	1.00	90.9	85 - 115	X443015	24-Oct-24	
EPA 200.7	Copper	mg/L	0.952	1.00	95.2	85 - 115	X443015	24-Oct-24	
EPA 200.7	Iron	mg/L	9.59	10.0	95.9	85 - 115	X443015	24-Oct-24	
EPA 200.7	Lead	mg/L	0.927	1.00	92.7	85 - 115	X443015	24-Oct-24	
EPA 200.7	Lithium	mg/L	0.981	1.00	98.1	85 - 115	X443015	24-Oct-24	
EPA 200.7	Magnesium	mg/L	19.2	20.0	95.8	85 - 115	X443015	24-Oct-24	
EPA 200.7	Manganese	mg/L	0.960	1.00	96.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	0.935	1.00	93.5	85 - 115	X443015	24-Oct-24	
EPA 200.7	Nickel	mg/L	0.920	1.00	92.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Potassium	mg/L	19.4	20.0	97.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Silver	mg/L	0.0468	0.0500	93.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Sodium	mg/L	17.9	19.0	94.0	85 - 115	X443015	24-Oct-24	
EPA 200.7	Vanadium	mg/L	0.966	1.00	96.6	85 - 115	X443015	24-Oct-24	
EPA 200.7	Zinc	mg/L	0.919	1.00	91.9	85 - 115	X443015	24-Oct-24	
EPA 200.8	Antimony	mg/L	0.0241	0.0250	96.4	85 - 115	X442006	21-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0253	0.0250	101	85 - 115	X442006	21-Oct-24	
EPA 200.8	Selenium	mg/L	0.0256	0.0250	103	85 - 115	X442006	21-Oct-24	
EPA 200.8	Thallium	mg/L	0.0254	0.0250	102	85 - 115	X442006	21-Oct-24	
EPA 200.8	Uranium	mg/L	0.0262	0.0250	105	85 - 115	X442006	21-Oct-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00188	0.00200	94.2	85 - 115	X442063	16-Oct-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0970	0.100	97.0	90 - 110	X443191	25-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X443007	22-Oct-24	
EPA 350.1	Ammonia as N	mg/L	1.06	1.00	106	90 - 110	X442060	16-Oct-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0990	0.100	99.0	90 - 110	X442185	18-Oct-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	898	884	102	95.4 - 104	X443010	22-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.1	9.93	102	96.4 - 105	X442056	15-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	96.4 - 105	X442056	15-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	402	397	101	96.4 - 105	X442056	15-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X441223	15-Oct-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.97	3.00	98.9	90 - 110	X441211	11-Oct-24	
EPA 300.0	Fluoride	mg/L	2.01	2.00	100	90 - 110	X441211	11-Oct-24	
EPA 300.0	Nitrate as N	mg/L	2.04	2.00	102	90 - 110	X441211	11-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.60	4.50	102	90 - 110	X441211	11-Oct-24	
EPA 300.0	Nitrite as N	mg/L	2.56	2.50	102	90 - 110	X441211	11-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X441211	11-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0236**
Reported: 28-Oct-24 13:20

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0	<10.0	UDL	20	X443010 - X4J0219-01	22-Oct-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	50.0	49.3	1.4	20	X442056 - X4J0214-01	15-Oct-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	50.0	49.3	1.4	20	X442056 - X4J0214-01	15-Oct-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X442056 - X4J0214-01	15-Oct-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X442056 - X4J0214-01	15-Oct-24	
SM 2540 C	Total Diss. Solids	mg/L	1340	1400	4.0	10	X441222 - X4J0238-02	15-Oct-24	
SM 2540 C	Total Diss. Solids	mg/L	580	589	1.5	10	X441222 - X4J0221-01	15-Oct-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X441223 - X4J0238-02	15-Oct-24	
SM 4500 H B	pH @18.4°C	pH Units	7.0	7.0	0.6	20	X442056 - X4J0214-01	15-Oct-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	271	258	20.0	0.30R>S	70 - 130	X442019 - X4J0236-01	16-Oct-24	M3
EPA 200.7	Calcium	mg/L	58.5	40.0	20.0	92	70 - 130	X442019 - X4J0251-05	16-Oct-24	
EPA 200.7	Magnesium	mg/L	71.7	52.9	20.0	94.2	70 - 130	X442019 - X4J0236-01	16-Oct-24	
EPA 200.7	Magnesium	mg/L	19.9	0.772	20.0	95.8	70 - 130	X442019 - X4J0251-05	16-Oct-24	
EPA 200.7	Potassium	mg/L	27.8	7.11	20.0	103	70 - 130	X442019 - X4J0236-01	16-Oct-24	
EPA 200.7	Potassium	mg/L	20.6	0.77	20.0	99.3	70 - 130	X442019 - X4J0251-05	16-Oct-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.993	<0.080	1.00	99.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Aluminum	mg/L	0.983	<0.080	1.00	98.3	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Barium	mg/L	1.04	0.0411	1.00	100	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Barium	mg/L	1.02	0.0249	1.00	99.8	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Beryllium	mg/L	0.989	<0.00200	1.00	98.9	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Beryllium	mg/L	0.987	<0.00200	1.00	98.7	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Boron	mg/L	0.999	<0.0400	1.00	97.4	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Boron	mg/L	1.03	0.0542	1.00	97.5	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Cadmium	mg/L	0.977	<0.0020	1.00	97.7	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Cadmium	mg/L	0.989	<0.0020	1.00	98.9	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Calcium	mg/L	60.0	40.7	20.0	96.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Calcium	mg/L	210	188	20.0	110	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Chromium	mg/L	1.00	<0.0060	1.00	100	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Chromium	mg/L	0.998	<0.0060	1.00	99.8	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Cobalt	mg/L	0.938	<0.0060	1.00	93.8	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Cobalt	mg/L	0.935	<0.0060	1.00	93.5	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Copper	mg/L	0.977	<0.0100	1.00	97.7	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Copper	mg/L	0.980	<0.0100	1.00	98.0	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Iron	mg/L	10.8	0.947	10.0	98.9	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Iron	mg/L	9.81	<0.100	10.0	98.1	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Lead	mg/L	0.949	<0.0075	1.00	94.9	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Lead	mg/L	0.942	<0.0075	1.00	94.2	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Lithium	mg/L	1.02	<0.040	1.00	102	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Lithium	mg/L	1.05	<0.040	1.00	102	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Magnesium	mg/L	30.7	10.8	20.0	99.1	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Magnesium	mg/L	37.2	17.3	20.0	99.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Manganese	mg/L	1.19	0.193	1.00	100	70 - 130	X443015 - X4J0181-01	24-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0236**
Reported: 28-Oct-24 13:20

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	1.12	0.123	1.00	99.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	0.971	0.0167	1.00	95.4	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Molybdenum	mg/L	0.979	<0.0080	1.00	97.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Nickel	mg/L	0.963	<0.0100	1.00	96.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Nickel	mg/L	0.936	<0.0100	1.00	93.6	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Potassium	mg/L	22.4	2.16	20.0	101	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Potassium	mg/L	24.0	3.46	20.0	102	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Silver	mg/L	0.0463	<0.0050	0.0500	92.6	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Silver	mg/L	0.0482	<0.0050	0.0500	96.5	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Sodium	mg/L	34.0	15.4	19.0	98.1	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Sodium	mg/L	63.4	44.3	19.0	101	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Vanadium	mg/L	0.993	<0.0050	1.00	99.3	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Vanadium	mg/L	0.999	<0.0050	1.00	99.9	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.7	Zinc	mg/L	0.957	<0.0100	1.00	95.7	70 - 130	X443015 - X4J0181-01	24-Oct-24	
EPA 200.7	Zinc	mg/L	0.957	<0.0100	1.00	95.0	70 - 130	X443015 - X4J0350-02	24-Oct-24	
EPA 200.8	Antimony	mg/L	0.0244	<0.00100	0.0250	97.6	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Antimony	mg/L	0.0275	<0.00100	0.0250	110	70 - 130	X442006 - X4J0236-01	22-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0258	<0.00100	0.0250	101	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Arsenic	mg/L	0.0301	<0.00100	0.0250	118	70 - 130	X442006 - X4J0236-01	22-Oct-24	
EPA 200.8	Selenium	mg/L	0.0234	<0.00100	0.0250	93.6	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Selenium	mg/L	0.0301	<0.00100	0.0250	120	70 - 130	X442006 - X4J0236-01	22-Oct-24	
EPA 200.8	Thallium	mg/L	0.0251	<0.000200	0.0250	100	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Thallium	mg/L	0.0285	<0.000200	0.0250	114	70 - 130	X442006 - X4J0236-01	22-Oct-24	
EPA 200.8	Uranium	mg/L	0.0305	0.00416	0.0250	105	70 - 130	X442006 - X4J0146-01	21-Oct-24	
EPA 200.8	Uranium	mg/L	0.0561	0.0262	0.0250	120	70 - 130	X442006 - X4J0236-01	22-Oct-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00197	<0.000200	0.00200	98.5	70 - 130	X442063 - X4J0236-01	16-Oct-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0840	<0.0050	0.100	84.0	79 - 121	X443191 - X4J0233-01	25-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	0.100	<0.0050	0.100	96.5	90 - 110	X443007 - X4J0238-01	22-Oct-24	
EPA 335.4	Cyanide (total)	mg/L	0.0247	<0.0050	0.100	20.5	90 - 110	X443007 - X4J0233-01	22-Oct-24	M2
EPA 350.1	Ammonia as N	mg/L	1.16	0.091	1.00	107	90 - 110	X442060 - X4J0238-01	16-Oct-24	
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X442060 - X4J0238-02	16-Oct-24	
OIA 1677	Cyanide (WAD)	mg/L	0.104	<0.0050	0.100	103	82 - 118	X442185 - X4J0214-01	18-Oct-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	10.9	8.01	3.00	97.5	90 - 110	X441211 - X4J0251-03	12-Oct-24	
EPA 300.0	Chloride	mg/L	4.15	1.14	3.00	100	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Fluoride	mg/L	2.04	0.135	2.00	95.3	90 - 110	X441211 - X4J0251-03	12-Oct-24	
EPA 300.0	Fluoride	mg/L	2.02	<0.100	2.00	96.3	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Nitrate as N	mg/L	14.2	12.5	2.00	0.30R>S	90 - 110	X441211 - X4J0251-03	12-Oct-24	M4
EPA 300.0	Nitrate as N	mg/L	2.04	0.077	2.00	98.3	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	16.3	12.5	4.00	94.6	90 - 110	X441211 - X4J0251-03	12-Oct-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.05	<0.100	4.00	98.8	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Nitrite as N	mg/L	2.06	0.052	2.00	101	90 - 110	X441211 - X4J0251-03	12-Oct-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X441211 - X4J0251-05	12-Oct-24	
EPA 300.0	Sulfate as SO4	mg/L	117	109	10.0	0.30R>S	90 - 110	X441211 - X4J0251-03	12-Oct-24	M4
EPA 300.0	Sulfate as SO4	mg/L	35.1	25.3	10.0	98.0	90 - 110	X441211 - X4J0251-05	12-Oct-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4J0236**
Reported: 28-Oct-24 13:20

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	272	271	20.0	0.2	20	70	X442019 - X4J0236-01	
EPA 200.7	Magnesium	mg/L	71.4	71.7	20.0	0.5	20	92.5	X442019 - X4J0236-01	
EPA 200.7	Potassium	mg/L	27.6	27.8	20.0	0.8	20	102	X442019 - X4J0236-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	1.00	0.993	1.00	0.9	20	100	X443015 - X4J0181-01	
EPA 200.7	Barium	mg/L	1.05	1.04	1.00	1.2	20	101	X443015 - X4J0181-01	
EPA 200.7	Beryllium	mg/L	1.00	0.989	1.00	1.3	20	100	X443015 - X4J0181-01	
EPA 200.7	Boron	mg/L	1.02	0.999	1.00	2.5	20	99.9	X443015 - X4J0181-01	
EPA 200.7	Cadmium	mg/L	1.01	0.977	1.00	3.1	20	101	X443015 - X4J0181-01	
EPA 200.7	Calcium	mg/L	60.1	60.0	20.0	0.1	20	96.7	X443015 - X4J0181-01	
EPA 200.7	Chromium	mg/L	1.02	1.00	1.00	1.2	20	102	X443015 - X4J0181-01	
EPA 200.7	Cobalt	mg/L	0.966	0.938	1.00	3.0	20	96.6	X443015 - X4J0181-01	
EPA 200.7	Copper	mg/L	1.00	0.977	1.00	2.5	20	100	X443015 - X4J0181-01	
EPA 200.7	Iron	mg/L	10.8	10.8	10.0	0.1	20	98.8	X443015 - X4J0181-01	
EPA 200.7	Lead	mg/L	0.973	0.949	1.00	2.5	20	97.3	X443015 - X4J0181-01	
EPA 200.7	Lithium	mg/L	1.02	1.02	1.00	0.0	20	102	X443015 - X4J0181-01	
EPA 200.7	Magnesium	mg/L	30.8	30.7	20.0	0.4	20	99.7	X443015 - X4J0181-01	
EPA 200.7	Manganese	mg/L	1.20	1.19	1.00	0.3	20	100	X443015 - X4J0181-01	
EPA 200.7	Molybdenum	mg/L	0.995	0.971	1.00	2.4	20	97.8	X443015 - X4J0181-01	
EPA 200.7	Nickel	mg/L	0.964	0.963	1.00	0.2	20	96.4	X443015 - X4J0181-01	
EPA 200.7	Potassium	mg/L	22.4	22.4	20.0	0.4	20	101	X443015 - X4J0181-01	
EPA 200.7	Silver	mg/L	0.0473	0.0463	0.0500	2.1	20	94.6	X443015 - X4J0181-01	
EPA 200.7	Sodium	mg/L	33.9	34.0	19.0	0.4	20	97.4	X443015 - X4J0181-01	
EPA 200.7	Vanadium	mg/L	1.01	0.993	1.00	1.9	20	101	X443015 - X4J0181-01	
EPA 200.7	Zinc	mg/L	0.985	0.957	1.00	2.9	20	98.5	X443015 - X4J0181-01	
EPA 200.8	Antimony	mg/L	0.0249	0.0244	0.0250	1.9	20	99.4	X442006 - X4J0146-01	
EPA 200.8	Arsenic	mg/L	0.0258	0.0258	0.0250	0.3	20	101	X442006 - X4J0146-01	
EPA 200.8	Selenium	mg/L	0.0261	0.0234	0.0250	10.9	20	104	X442006 - X4J0146-01	
EPA 200.8	Thallium	mg/L	0.0253	0.0251	0.0250	0.9	20	101	X442006 - X4J0146-01	
EPA 200.8	Uranium	mg/L	0.0310	0.0305	0.0250	1.9	20	107	X442006 - X4J0146-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	0.00197	0.00200	2.7	20	101	X442063 - X4J0236-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0910	0.0840	0.100	8.0	11	91.0	X443191 - X4J0233-01	
EPA 335.4	Cyanide (total)	mg/L	0.0994	0.100	0.100	1.0	20	95.5	X443007 - X4J0238-01	
EPA 350.1	Ammonia as N	mg/L	1.14	1.16	1.00	1.9	20	105	X442060 - X4J0238-01	
OIA 1677	Cyanide (WAD)	mg/L	0.105	0.104	0.100	1.0	11	104	X442185 - X4J0214-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	11.0	10.9	3.00	0.5	20	99.4	X441211 - X4J0251-03	
EPA 300.0	Fluoride	mg/L	2.08	2.04	2.00	1.9	20	97.2	X441211 - X4J0251-03	
EPA 300.0	Nitrate as N	mg/L	14.2	14.2	2.00	0.1	20	0.30R>S	X441211 - X4J0251-03	M4
EPA 300.0	Nitrate+Nitrite as N	mg/L	16.3	16.3	4.00	0.2	20	95.2	X441211 - X4J0251-03	
EPA 300.0	Nitrite as N	mg/L	2.11	2.06	2.00	2.3	20	103	X441211 - X4J0251-03	
EPA 300.0	Sulfate as SO4	mg/L	117	117	10.0	0.1	20	0.30R>S	X441211 - X4J0251-03	M4

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4J0236**
Victor, CO 80860	Reported: 28-Oct-24 13:20

Notes and Definitions

H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
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: **X4L0029**
Victor, CO 80860	Reported: 19-Dec-24 12:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
PGMW-5	X4L0029-01	Ground Water	03-Dec-24 13:03	TR	04-Dec-2024	
SGMW-6b	X4L0029-02	Ground Water	03-Dec-24 09:45	TR	04-Dec-2024	

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

Case Narrative: X4L0029

The state of origin only accredits for drinking water analyses.

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0029**
Reported: 19-Dec-24 12:27

Client Sample ID: **PGMW-5**
SVL Sample ID: **X4L0029-01 (Ground Water)**

Sampled: 03-Dec-24 13:03
Received: 04-Dec-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**	111	mg/L	0.100	0.069		X450016	SJN	12/16/24 14:17	
EPA 200.7	**Magnesium**	45.2	mg/L	0.500	0.090		X450016	SJN	12/16/24 14:17	
EPA 200.7	**Potassium**	4.58	mg/L	0.50	0.18		X450016	SJN	12/16/24 14:17	
SM 2340 B	**Hardness (as CaCO3)**	449	mg/L	2.31	0.543		N/A		12/16/24 14:17	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	58.3	mg/L	0.080	0.054		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Barium**	0.0091	mg/L	0.0020	0.0019		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Beryllium**	0.00881	mg/L	0.00200	0.00080		X450068	NMS	12/18/24 10:50	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Cadmium**	0.0388	mg/L	0.0020	0.0016		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Calcium**	104	mg/L	0.100	0.069		X450068	NMS	12/18/24 10:50	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Cobalt**	0.159	mg/L	0.0060	0.0046		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Copper**	1.28	mg/L	0.0100	0.0027		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Iron**	0.107	mg/L	0.100	0.056		X450068	NMS	12/18/24 10:50	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Lithium**	0.067	mg/L	0.040	0.025		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Magnesium**	41.9	mg/L	0.500	0.090		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Manganese**	41.8	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:50	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Nickel**	0.238	mg/L	0.0100	0.0048		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Potassium**	4.55	mg/L	0.50	0.18		X450068	NMS	12/18/24 10:50	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Sodium**	25.8	mg/L	0.50	0.12		X450068	NMS	12/18/24 10:50	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:50	
EPA 200.7	**Zinc**	5.15	mg/L	0.0100	0.0054		X450068	NMS	12/18/24 10:50	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X450005	SMU	12/13/24 10:55	
EPA 200.8	**Arsenic**	0.00724	mg/L	0.00100	0.00021		X450005	SMU	12/13/24 10:55	
EPA 200.8	**Selenium**	0.00105	mg/L	0.00100	0.00024		X450005	SMU	12/13/24 10:55	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X450005	SMU	12/13/24 10:55	
EPA 200.8	**Uranium**	0.0351	mg/L	0.000100	0.000052		X450005	SMU	12/13/24 10:55	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X449202	MAC	12/10/24 14:47	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X449157	DD	12/05/24 16:26	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X450001	JPM	12/10/24 10:54	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X449151	JPM	12/09/24 12:02	
OIA 1677	**Cyanide (WAD)**	0.0080	mg/L	0.0050	0.0010		X451064	DD	12/18/24 10:34	H1
SM 2310 B	**Acidity to pH 8.3**	448	mg/L as CaCO3	10.0			X450188	MWD	12/16/24 13:29	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:49	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:49	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:49	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:49	
SM 2540 C	**Total Diss. Solids**	1410	mg/L	10			X449132	TJL	12/06/24 13:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X449133	TJL	12/06/24 13:45	
SM 4500 H B	**pH @19.1°C**	3.7	pH Units				X450073	MWD	12/12/24 16:49	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: **X4L0029**
Reported: 19-Dec-24 12:27

Client Sample ID: **PGMW-5**
SVL Sample ID: **X4L0029-01 (Ground Water)**

Sampled: 03-Dec-24 13:03
Received: 04-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	51.5	mg/L	10.0	1.10	50	X446241	RS	12/04/24 19:28	
EPA 300.0	**Fluoride**	6.96	mg/L	0.100	0.017		X446241	RS	12/04/24 19:12	
EPA 300.0	**Nitrate as N**	1.67	mg/L	0.050	0.013		X446241	RS	12/04/24 19:12	
EPA 300.0	**Nitrate+Nitrite as N**	1.67	mg/L	0.100	0.044		X446241	RS	12/04/24 19:12	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X446241	RS	12/04/24 19:12	
EPA 300.0	**Sulfate as SO4**	808	mg/L	15.0	9.00	50	X446241	RS	12/04/24 19:28	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 18.8 meq/L Anion Sum: 18.8 meq/L C/A Balance: 0.15 % Calculated TDS: 1055 TDS/cTDS: 1.34

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0029**
Reported: 19-Dec-24 12:27

Client Sample ID: **SGMW-6b**
SVL Sample ID: **X4L0029-02 (Ground Water)**

Sampled: 03-Dec-24 09:45
Received: 04-Dec-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**	487	mg/L	1.00	0.690	10	X450016	SJN	12/16/24 15:00	
EPA 200.7	**Magnesium**	103	mg/L	0.500	0.090		X450016	SJN	12/16/24 14:21	
EPA 200.7	**Potassium**	10.2	mg/L	0.50	0.18		X450016	SJN	12/16/24 14:21	
SM 2340 B	**Hardness (as CaCO3)**	1640	mg/L	4.56	2.09		N/A		12/18/24 10:54	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.991	mg/L	0.080	0.054		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Barium**	0.0098	mg/L	0.0020	0.0019		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Beryllium**	0.0971	mg/L	0.00200	0.00080		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Boron**	0.101	mg/L	0.0400	0.0078		X450068	NMS	12/18/24 10:54	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Calcium**	502	mg/L	0.100	0.069		X450068	NMS	12/18/24 10:54	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Cobalt**	0.0313	mg/L	0.0060	0.0046		X450068	NMS	12/18/24 10:54	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Iron**	14.5	mg/L	0.100	0.056		X450068	NMS	12/18/24 10:54	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X450068	NMS	12/18/24 10:54	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Magnesium**	92.9	mg/L	0.500	0.090		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Manganese**	10.4	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:54	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Nickel**	0.0184	mg/L	0.0100	0.0048		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Potassium**	9.85	mg/L	0.50	0.18		X450068	NMS	12/18/24 10:54	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Sodium**	74.6	mg/L	0.50	0.12		X450068	NMS	12/18/24 10:54	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:54	
EPA 200.7	**Zinc**	0.149	mg/L	0.0100	0.0054		X450068	NMS	12/18/24 10:54	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X450005	SMU	12/13/24 10:58	
EPA 200.8	**Arsenic**	0.00104	mg/L	0.00100	0.00021		X450005	SMU	12/13/24 10:58	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X450005	SMU	12/13/24 10:58	
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X450005	SMU	12/13/24 12:02	D17
EPA 200.8	**Uranium**	0.00158	mg/L	0.000200	0.000104	2	X450005	SMU	12/13/24 12:02	D17
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X449202	MAC	12/10/24 14:53	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X449157	DD	12/05/24 16:28	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X450001	JPM	12/10/24 10:57	
EPA 350.1	**Ammonia as N**	0.102	mg/L	0.030	0.013		X449151	JPM	12/09/24 12:03	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X451064	DD	12/18/24 10:35	H1
SM 2310 B	**Acidity to pH 8.3**	-71.4	mg/L as CaCO3	10.0			X450188	MWD	12/16/24 13:29	
SM 2320 B	**Total Alkalinity**	70.7	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:54	
SM 2320 B	**Bicarbonate**	70.7	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:54	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:54	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:54	
SM 2540 C	**Total Diss. Solids**	2660	mg/L	40			X449132	TJL	12/06/24 13:20	
SM 2540 D	**Total Susp. Solids**	44.0	mg/L	5.0			X449133	TJL	12/06/24 13:45	
SM 4500 H B	**pH @18.9°C**	6.1	pH Units				X450073	MWD	12/12/24 16:54	H5

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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: **X4L0029**
Reported: 19-Dec-24 12:27

Client Sample ID: **SGMW-6b**
SVL Sample ID: **X4L0029-02 (Ground Water)**

Sampled: 03-Dec-24 09:45
Received: 04-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	126	mg/L	10.0	1.10	50	X446241	RS	12/04/24 20:00	
EPA 300.0	**Fluoride**	9.22	mg/L	5.00	0.850	50	X446241	RS	12/04/24 20:00	
EPA 300.0	**Nitrate as N**	0.059	mg/L	0.050	0.013		X446241	RS	12/04/24 19:44	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X446241	RS	12/04/24 19:44	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X446241	RS	12/04/24 19:44	
EPA 300.0	**Sulfate as SO4**	1570	mg/L	15.0	9.00	50	X446241	RS	12/04/24 20:00	

Cation/Anion Balance and TDS Ratios

Cation Sum: 36.5 meq/L Anion Sum: 38.1 meq/L C/A Balance: -2.25 % Calculated TDS: 2425 TDS/cTDS: 1.10

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0029**
Reported: 19-Dec-24 12:27

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	X450016	16-Dec-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X450016	16-Dec-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X450016	16-Dec-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X450068	18-Dec-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X450068	18-Dec-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X450068	18-Dec-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X450068	18-Dec-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X450068	18-Dec-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X450068	18-Dec-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X450068	18-Dec-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X450068	18-Dec-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X450068	18-Dec-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X450068	18-Dec-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X450068	18-Dec-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X450068	18-Dec-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X450068	18-Dec-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X450068	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X450068	18-Dec-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X450068	18-Dec-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X450068	18-Dec-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X450068	18-Dec-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X450068	18-Dec-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X450068	18-Dec-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X450068	18-Dec-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X450005	13-Dec-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X450005	13-Dec-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X450005	13-Dec-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X450005	13-Dec-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X450005	13-Dec-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X449202	10-Dec-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X449157	05-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X450001	10-Dec-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X449151	09-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X451064	18-Dec-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X450188	16-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X449132	06-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X449133	06-Dec-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X446241	04-Dec-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X446241	04-Dec-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X446241	04-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X446241	04-Dec-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X446241	04-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X446241	04-Dec-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0029**
Reported: 19-Dec-24 12:27

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.7	20.0	99	85 - 115	X450016	16-Dec-24	
EPA 200.7	Magnesium	mg/L	20.1	20.0	100	85 - 115	X450016	16-Dec-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.1	85 - 115	X450016	16-Dec-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.01	1.00	101	85 - 115	X450068	18-Dec-24	
EPA 200.7	Barium	mg/L	1.00	1.00	100	85 - 115	X450068	18-Dec-24	
EPA 200.7	Beryllium	mg/L	0.988	1.00	98.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X450068	18-Dec-24	
EPA 200.7	Cadmium	mg/L	0.984	1.00	98.4	85 - 115	X450068	18-Dec-24	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.7	85 - 115	X450068	18-Dec-24	
EPA 200.7	Chromium	mg/L	0.991	1.00	99.1	85 - 115	X450068	18-Dec-24	
EPA 200.7	Cobalt	mg/L	0.974	1.00	97.4	85 - 115	X450068	18-Dec-24	
EPA 200.7	Copper	mg/L	0.978	1.00	97.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Iron	mg/L	9.90	10.0	99.0	85 - 115	X450068	18-Dec-24	
EPA 200.7	Lead	mg/L	0.986	1.00	98.6	85 - 115	X450068	18-Dec-24	
EPA 200.7	Lithium	mg/L	0.963	1.00	96.3	85 - 115	X450068	18-Dec-24	
EPA 200.7	Magnesium	mg/L	19.0	20.0	94.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Manganese	mg/L	0.988	1.00	98.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	1.00	1.00	100	85 - 115	X450068	18-Dec-24	
EPA 200.7	Nickel	mg/L	0.966	1.00	96.6	85 - 115	X450068	18-Dec-24	
EPA 200.7	Potassium	mg/L	20.0	20.0	99.9	85 - 115	X450068	18-Dec-24	
EPA 200.7	Silver	mg/L	0.0525	0.0500	105	85 - 115	X450068	18-Dec-24	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.5	85 - 115	X450068	18-Dec-24	
EPA 200.7	Vanadium	mg/L	1.01	1.00	101	85 - 115	X450068	18-Dec-24	
EPA 200.7	Zinc	mg/L	0.979	1.00	97.9	85 - 115	X450068	18-Dec-24	
EPA 200.8	Antimony	mg/L	0.0233	0.0250	93.0	85 - 115	X450005	13-Dec-24	
EPA 200.8	Arsenic	mg/L	0.0243	0.0250	97.3	85 - 115	X450005	13-Dec-24	
EPA 200.8	Selenium	mg/L	0.0229	0.0250	91.7	85 - 115	X450005	13-Dec-24	
EPA 200.8	Thallium	mg/L	0.0249	0.0250	99.7	85 - 115	X450005	13-Dec-24	
EPA 200.8	Uranium	mg/L	0.0249	0.0250	99.5	85 - 115	X450005	13-Dec-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00222	0.00200	111	85 - 115	X449202	10-Dec-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0930	0.100	93.0	90 - 110	X449157	05-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X450001	10-Dec-24	
EPA 350.1	Ammonia as N	mg/L	0.990	1.00	99.0	90 - 110	X449151	09-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.100	103	90 - 110	X451064	18-Dec-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X450188	16-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.2	99.3	98.9	96.4 - 105	X450073	12-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	408	397	103	96.4 - 105	X450073	12-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.4	9.93	105	96.4 - 105	X450073	13-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X449133	06-Dec-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.87	3.00	95.7	90 - 110	X446241	04-Dec-24	
EPA 300.0	Fluoride	mg/L	1.92	2.00	95.8	90 - 110	X446241	04-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.95	2.00	97.3	90 - 110	X446241	04-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.48	4.50	99.5	90 - 110	X446241	04-Dec-24	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X446241	04-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	9.99	10.0	99.9	90 - 110	X446241	04-Dec-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0029**
Reported: 19-Dec-24 12:27

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	62.9	62.9	0.0	20	X450188 - X4K0329-13	16-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	369	374	1.4	10	X449132 - X4L0030-01	06-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	469	452	3.7	10	X449132 - X4L0047-01	06-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	9.0	0.0	10	X449133 - X4L0047-01	06-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X449133 - X4L0030-01	06-Dec-24	
SM 4500 H B	pH @19.0°C	pH Units	4.7	4.9	5.8	20	X450073 - X4L0028-02	12-Dec-24	R2B

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	211	192	20.0	92	70 - 130	X450016 - X4K0425-01	16-Dec-24	
EPA 200.7	Calcium	mg/L	75.2	58.2	20.0	85	70 - 130	X450016 - X4L0032-01	16-Dec-24	
EPA 200.7	Magnesium	mg/L	276	271	20.0	0.30R>S	70 - 130	X450016 - X4K0425-01	16-Dec-24	M3
EPA 200.7	Magnesium	mg/L	29.6	8.71	20.0	104	70 - 130	X450016 - X4L0032-01	16-Dec-24	
EPA 200.7	Potassium	mg/L	66.5	47.0	20.0	97.4	70 - 130	X450016 - X4K0425-01	16-Dec-24	
EPA 200.7	Potassium	mg/L	46.3	27.6	20.0	93.4	70 - 130	X450016 - X4L0032-01	16-Dec-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.00	1.01	1.00	99.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Aluminum	mg/L	1.02	<0.080	1.00	102	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Barium	mg/L	0.983	0.0095	1.00	97.4	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Barium	mg/L	0.991	<0.0020	1.00	99.1	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Beryllium	mg/L	1.04	0.0998	1.00	94.0	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Beryllium	mg/L	0.966	<0.00200	1.00	96.6	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Boron	mg/L	1.10	0.101	1.00	99.4	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Boron	mg/L	0.996	<0.0400	1.00	99.6	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Cadmium	mg/L	0.907	<0.0020	1.00	90.7	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Cadmium	mg/L	0.964	<0.0020	1.00	96.4	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Calcium	mg/L	515	496	20.0	93.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Calcium	mg/L	19.4	0.372	20.0	95.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Chromium	mg/L	0.942	<0.0060	1.00	94.2	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Chromium	mg/L	0.971	<0.0060	1.00	97.1	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Cobalt	mg/L	0.944	0.0318	1.00	91.2	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Cobalt	mg/L	0.944	<0.0060	1.00	94.4	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	99.8	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Copper	mg/L	0.930	<0.0100	1.00	93.0	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Iron	mg/L	24.0	14.5	10.0	94.8	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Iron	mg/L	9.73	<0.100	10.0	97.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Lead	mg/L	0.924	<0.0075	1.00	92.4	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Lead	mg/L	0.958	<0.0075	1.00	95.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Lithium	mg/L	1.09	<0.040	1.00	109	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Lithium	mg/L	0.932	<0.040	1.00	93.2	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Magnesium	mg/L	113	93.5	20.0	97.3	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Magnesium	mg/L	18.6	<0.500	20.0	92.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	

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Newmont - Cripple Creek & Victor
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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0029**
Reported: 19-Dec-24 12:27

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Manganese	mg/L	11.1	10.4	1.00	75.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Manganese	mg/L	0.974	0.0100	1.00	96.4	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	0.957	<0.0080	1.00	95.7	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	0.972	<0.0080	1.00	97.2	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Nickel	mg/L	0.931	0.0150	1.00	91.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Nickel	mg/L	0.923	<0.0100	1.00	92.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Potassium	mg/L	29.4	9.87	20.0	97.7	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Potassium	mg/L	19.8	<0.50	20.0	97.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Silver	mg/L	0.0558	<0.0050	0.0500	103	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Silver	mg/L	0.0506	<0.0050	0.0500	101	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Sodium	mg/L	91.9	74.2	19.0	93.1	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Sodium	mg/L	18.9	0.56	19.0	96.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Vanadium	mg/L	0.979	<0.0050	1.00	97.9	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Vanadium	mg/L	0.978	<0.0050	1.00	97.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Zinc	mg/L	1.09	0.148	1.00	94.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Zinc	mg/L	0.965	<0.0100	1.00	96.5	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.8	Antimony	mg/L	0.0320	<0.0100	0.0250	95.1	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Antimony	mg/L	0.0231	<0.00100	0.0250	92.5	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Arsenic	mg/L	0.577	0.548	0.0250	115	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Arsenic	mg/L	0.0295	<0.00100	0.0250	115	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Selenium	mg/L	0.0561	0.0354	0.0250	82.8	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Selenium	mg/L	0.0294	<0.00100	0.0250	118	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Thallium	mg/L	0.0265	<0.00200	0.0250	106	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Thallium	mg/L	0.0297	<0.000200	0.0250	119	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Uranium	mg/L	6.81	6.77	0.0250	0.30R>S	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17,M4
EPA 200.8	Uranium	mg/L	0.0301	0.000277	0.0250	119	70 - 130	X450005 - X4L0090-01	13-Dec-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X449202 - X4L0028-02	10-Dec-24	
EPA 245.1	Mercury	mg/L	0.00205	<0.000200	0.00200	102	70 - 130	X449202 - X4L0083-01	10-Dec-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0770	<0.0050	0.100	77.0	79 - 121	X449157 - X4K0390-03	05-Dec-24	M2
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X450001 - X4L0028-02	10-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	0.0851	<0.0050	0.100	85.1	90 - 110	X450001 - X4L0028-01	10-Dec-24	M2
EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X449151 - X4L0028-03	09-Dec-24	
EPA 350.1	Ammonia as N	mg/L	1.14	0.089	1.00	105	90 - 110	X449151 - X4L0028-01	09-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0620	<0.0050	0.100	62.0	82 - 118	X451064 - X4L0028-01	18-Dec-24	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	2.88	<0.20	3.00	92.3	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Chloride	mg/L	2.99	0.30	3.00	89.4	90 - 110	X446241 - X4L0028-03	04-Dec-24	M2
EPA 300.0	Fluoride	mg/L	2.05	0.154	2.00	94.9	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Fluoride	mg/L	2.09	0.171	2.00	96.0	90 - 110	X446241 - X4L0028-03	04-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.94	<0.050	2.00	94.8	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.96	<0.050	2.00	98.1	90 - 110	X446241 - X4L0028-03	04-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.92	<0.100	4.00	96.3	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.97	<0.100	4.00	99.2	90 - 110	X446241 - X4L0028-03	04-Dec-24	
EPA 300.0	Nitrite as N	mg/L	1.98	<0.050	2.00	99.0	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X446241 - X4L0028-03	04-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	9.70	<0.30	10.0	97.0	90 - 110	X446241 - X4L0028-02	04-Dec-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0029**
Reported: 19-Dec-24 12:27

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	10.2	<0.30	10.0	98.9	90 - 110	X446241 - X4L0028-03	04-Dec-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	208	211	20.0	1.0	20	78	X450016 - X4K0425-01	
EPA 200.7	Magnesium	mg/L	278	276	20.0	0.7	20	0.30R>S	X450016 - X4K0425-01	M3
EPA 200.7	Potassium	mg/L	65.8	66.5	20.0	1.0	20	94.0	X450016 - X4K0425-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.03	2.00	1.00	1.2	20	102	X450068 - X4L0028-01	
EPA 200.7	Barium	mg/L	1.01	0.983	1.00	2.4	20	99.8	X450068 - X4L0028-01	
EPA 200.7	Beryllium	mg/L	1.06	1.04	1.00	1.9	20	96.0	X450068 - X4L0028-01	
EPA 200.7	Boron	mg/L	1.12	1.10	1.00	2.2	20	102	X450068 - X4L0028-01	
EPA 200.7	Cadmium	mg/L	0.946	0.907	1.00	4.3	20	94.6	X450068 - X4L0028-01	
EPA 200.7	Calcium	mg/L	512	515	20.0	0.5	20	80.4	X450068 - X4L0028-01	
EPA 200.7	Chromium	mg/L	0.970	0.942	1.00	2.9	20	97.0	X450068 - X4L0028-01	
EPA 200.7	Cobalt	mg/L	0.980	0.944	1.00	3.7	20	94.8	X450068 - X4L0028-01	
EPA 200.7	Copper	mg/L	1.02	1.00	1.00	1.5	20	101	X450068 - X4L0028-01	
EPA 200.7	Iron	mg/L	24.2	24.0	10.0	0.8	20	96.8	X450068 - X4L0028-01	
EPA 200.7	Lead	mg/L	0.961	0.924	1.00	3.9	20	96.1	X450068 - X4L0028-01	
EPA 200.7	Lithium	mg/L	1.11	1.09	1.00	2.1	20	111	X450068 - X4L0028-01	
EPA 200.7	Magnesium	mg/L	112	113	20.0	0.6	20	93.7	X450068 - X4L0028-01	
EPA 200.7	Manganese	mg/L	11.1	11.1	1.00	0.5	20	70.6	X450068 - X4L0028-01	
EPA 200.7	Molybdenum	mg/L	0.996	0.957	1.00	4.0	20	99.6	X450068 - X4L0028-01	
EPA 200.7	Nickel	mg/L	0.966	0.931	1.00	3.6	20	95.1	X450068 - X4L0028-01	
EPA 200.7	Potassium	mg/L	29.8	29.4	20.0	1.2	20	99.4	X450068 - X4L0028-01	
EPA 200.7	Silver	mg/L	0.0579	0.0558	0.0500	3.8	20	107	X450068 - X4L0028-01	
EPA 200.7	Sodium	mg/L	92.1	91.9	19.0	0.2	20	94.2	X450068 - X4L0028-01	
EPA 200.7	Vanadium	mg/L	1.01	0.979	1.00	2.7	20	101	X450068 - X4L0028-01	
EPA 200.7	Zinc	mg/L	1.14	1.09	1.00	3.8	20	98.8	X450068 - X4L0028-01	
EPA 200.8	Antimony	mg/L	0.0330	0.0320	0.0250	3.0	20	99.0	X450005 - X4K0435-01	D17
EPA 200.8	Arsenic	mg/L	0.591	0.577	0.0250	2.4	20	0.30R>S	X450005 - X4K0435-01	D17,M4
EPA 200.8	Selenium	mg/L	0.0571	0.0561	0.0250	1.8	20	86.8	X450005 - X4K0435-01	D17
EPA 200.8	Thallium	mg/L	0.0276	0.0265	0.0250	3.8	20	110	X450005 - X4K0435-01	D17
EPA 200.8	Uranium	mg/L	6.93	6.81	0.0250	1.8	20	0.30R>S	X450005 - X4K0435-01	D17,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00210	0.00209	0.00200	0.7	20	105	X449202 - X4L0028-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0850	0.0770	0.100	9.9	11	85.0	X449157 - X4K0390-03	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.101	0.100	1.1	20	102	X450001 - X4L0028-02	
EPA 350.1	Ammonia as N	mg/L	1.07	1.01	1.00	5.5	20	107	X449151 - X4L0028-03	
OIA 1677	Cyanide (WAD)	mg/L	0.0690	0.0620	0.100	10.7	11	69.0	X451064 - X4L0028-01	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	2.91	2.88	3.00	0.9	20	93.2	X446241 - X4L0028-02	
EPA 300.0	Fluoride	mg/L	2.10	2.05	2.00	2.3	20	97.3	X446241 - X4L0028-02	
EPA 300.0	Nitrate as N	mg/L	1.96	1.94	2.00	1.4	20	96.1	X446241 - X4L0028-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.96	3.92	4.00	1.1	20	97.5	X446241 - X4L0028-02	
EPA 300.0	Nitrite as N	mg/L	2.00	1.98	2.00	0.9	20	99.9	X446241 - X4L0028-02	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0029**
Reported: 19-Dec-24 12:27

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography (Continued)										
EPA 300.0	Sulfate as SO4	mg/L	9.90	9.70	10.0	2.1	20	99.0	X446241 - X4L0028-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4L0029**
Victor, CO 80860	Reported: 19-Dec-24 12:27

Notes and Definitions

D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
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: **X4L0028**
Victor, CO 80860	Reported: 19-Dec-24 12:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
SGMW-106 G	X4L0028-01	Ground Water	03-Dec-24 09:45	TR	04-Dec-2024	
CCVB-1203	X4L0028-02	Ground Water	03-Dec-24 14:30	TR	04-Dec-2024	
RB-1203	X4L0028-03	Ground Water	03-Dec-24 14:43	TR	04-Dec-2024	

Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0028**
Reported: 19-Dec-24 12:36

Client Sample ID: **SGMW-106 G**
SVL Sample ID: **X4L0028-01 (Ground Water)**

Sampled: 03-Dec-24 09:45
Received: 04-Dec-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**	498	mg/L	1.00	0.690	10	X450016	SJN	12/16/24 14:57	
EPA 200.7	**Magnesium**	101	mg/L	0.500	0.090		X450016	SJN	12/16/24 14:06	
EPA 200.7	**Potassium**	10.1	mg/L	0.50	0.18		X450016	SJN	12/16/24 14:06	
SM 2340 B	**Hardness (as CaCO3)**	1660	mg/L	4.56	2.09		N/A		12/18/24 10:39	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	1.01	mg/L	0.080	0.054		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Barium**	0.0095	mg/L	0.0020	0.0019		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Beryllium**	0.0998	mg/L	0.00200	0.00080		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Boron**	0.101	mg/L	0.0400	0.0078		X450068	NMS	12/18/24 10:39	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Calcium**	496	mg/L	0.100	0.069		X450068	NMS	12/18/24 10:39	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Cobalt**	0.0318	mg/L	0.0060	0.0046		X450068	NMS	12/18/24 10:39	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Iron**	14.5	mg/L	0.100	0.056		X450068	NMS	12/18/24 10:39	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X450068	NMS	12/18/24 10:39	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Magnesium**	93.5	mg/L	0.500	0.090		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Manganese**	10.4	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:39	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Nickel**	0.0150	mg/L	0.0100	0.0048		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Potassium**	9.87	mg/L	0.50	0.18		X450068	NMS	12/18/24 10:39	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Sodium**	74.2	mg/L	0.50	0.12		X450068	NMS	12/18/24 10:39	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:39	
EPA 200.7	**Zinc**	0.148	mg/L	0.0100	0.0054		X450068	NMS	12/18/24 10:39	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X450005	SMU	12/13/24 10:46	
EPA 200.8	**Arsenic**	0.00101	mg/L	0.00100	0.00021		X450005	SMU	12/13/24 10:46	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X450005	SMU	12/13/24 10:46	
EPA 200.8	Thallium	< 0.000400	mg/L	0.000400	0.000160	2	X450005	SMU	12/13/24 11:59	D17
EPA 200.8	**Uranium**	0.00220	mg/L	0.000200	0.000104	2	X450005	SMU	12/13/24 11:59	D17
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X449202	MAC	12/10/24 14:41	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X449157	DD	12/05/24 16:14	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X450001	JPM	12/10/24 10:47	M2
EPA 350.1	**Ammonia as N**	0.089	mg/L	0.030	0.013		X449151	JPM	12/09/24 11:45	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X451064	DD	12/18/24 10:29	H1,M2
SM 2310 B	**Acidity to pH 8.3**	-71.4	mg/L as CaCO3	10.0			X450188	MWD	12/16/24 13:29	
SM 2320 B	**Total Alkalinity**	69.1	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:24	
SM 2320 B	**Bicarbonate**	69.1	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:24	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:24	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:24	
SM 2540 C	**Total Diss. Solids**	2490	mg/L	40			X449132	TJL	12/06/24 13:20	
SM 2540 D	**Total Susp. Solids**	58.0	mg/L	5.0			X449133	TJL	12/06/24 13:45	
SM 4500 H B	**pH @19.0°C**	6.1	pH Units				X450073	MWD	12/12/24 16:24	H5

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0028**
Reported: 19-Dec-24 12:36

Client Sample ID: **SGMW-106 G**
SVL Sample ID: **X4L0028-01 (Ground Water)**

Sampled: 03-Dec-24 09:45
Received: 04-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	126	mg/L	10.0	1.10	50	X446241	RS	12/04/24 17:05	
EPA 300.0	**Fluoride**	8.15	mg/L	5.00	0.850	50	X446241	RS	12/04/24 17:05	
EPA 300.0	**Nitrate as N**	0.062	mg/L	0.050	0.013		X446241	RS	12/04/24 16:50	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X446241	RS	12/04/24 16:50	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X446241	RS	12/04/24 16:50	
EPA 300.0	**Sulfate as SO4**	1550	mg/L	15.0	9.00	50	X446241	RS	12/04/24 17:05	

Cation/Anion Balance and TDS Ratios

Cation Sum: 37.0 meq/L Anion Sum: 37.6 meq/L C/A Balance: -0.92 % Calculated TDS: 2404 TDS/cTDS: 1.04

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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: **X4L0028**
Reported: 19-Dec-24 12:36

Client Sample ID: **CCVB-1203**
SVL Sample ID: **X4L0028-02 (Ground Water)**

Sampled: 03-Dec-24 14:30
Received: 04-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X450016	SJN	12/16/24 14:10	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X450016	SJN	12/16/24 14:10	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X450016	SJN	12/16/24 14:10	
SM 2340 B	Hardness (as CaCO3)	< 2.31	mg/L	2.31	0.543		N/A		12/18/24 10:43	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X450068	NMS	12/18/24 10:43	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X450068	NMS	12/18/24 10:43	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X450068	NMS	12/18/24 10:43	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X450068	NMS	12/18/24 10:43	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X450068	NMS	12/18/24 10:43	
EPA 200.7	Calcium	< 0.100	mg/L	0.100	0.069		X450068	NMS	12/18/24 10:43	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X450068	NMS	12/18/24 10:43	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X450068	NMS	12/18/24 10:43	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X450068	NMS	12/18/24 10:43	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X450068	NMS	12/18/24 10:43	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X450068	NMS	12/18/24 10:43	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X450068	NMS	12/18/24 10:43	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X450068	NMS	12/18/24 10:43	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:43	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:43	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X450068	NMS	12/18/24 10:43	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X450068	NMS	12/18/24 10:43	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:43	
EPA 200.7	Sodium	< 0.50	mg/L	0.50	0.12		X450068	NMS	12/18/24 10:43	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:43	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X450068	NMS	12/18/24 10:43	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X450005	SMU	12/13/24 10:49	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X450005	SMU	12/13/24 10:49	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X450005	SMU	12/13/24 10:49	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X450005	SMU	12/13/24 10:49	
EPA 200.8	**Uranium**	0.000263	mg/L	0.000100	0.000052		X450005	SMU	12/13/24 10:49	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X449202	MAC	12/10/24 14:43	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X449157	DD	12/05/24 16:16	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X450001	JPM	12/10/24 10:48	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X449151	JPM	12/09/24 11:47	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X451064	DD	12/18/24 10:31	H1
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X450188	MWD	12/16/24 13:29	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:40	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:40	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:40	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:40	
SM 2540 C	Total Diss. Solids	< 10	mg/L	10			X449132	TJL	12/06/24 13:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X449133	TJL	12/06/24 13:45	
SM 4500 H B	**pH @19.0°C**	4.9	pH Units				X450073	MWD	12/12/24 16:40	H5,R2B

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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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: **X4L0028**
Reported: 19-Dec-24 12:36

Client Sample ID: **CCVB-1203**
SVL Sample ID: **X4L0028-02 (Ground Water)**

Sampled: 03-Dec-24 14:30
Received: 04-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Chloride	< 0.20	mg/L	0.20	0.02		X446241	RS	12/04/24 17:21	
EPA 300.0	**Fluoride**	0.154	mg/L	0.100	0.017		X446241	RS	12/04/24 17:21	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X446241	RS	12/04/24 17:21	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X446241	RS	12/04/24 17:21	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X446241	RS	12/04/24 17:21	
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X446241	RS	12/04/24 17:21	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.03 meq/L Anion Sum: 0.04 meq/L C/A Balance: -2.91 % Calculated TDS: 0 TDS/cTDS: 0.00

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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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: **X4L0028**
Reported: 19-Dec-24 12:36

Client Sample ID: **RB-1203**
SVL Sample ID: **X4L0028-03 (Ground Water)**

Sampled: 03-Dec-24 14:43
Received: 04-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	0.964	mg/L	0.100	0.069		X450016	SJN	12/16/24 14:13	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X450016	SJN	12/16/24 14:13	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X450016	SJN	12/16/24 14:13	
SM 2340 B	**Hardness (as CaCO3)**	2.41	mg/L	2.31	0.543		N/A		12/16/24 14:13	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X450068	NMS	12/18/24 10:46	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X450068	NMS	12/18/24 10:46	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X450068	NMS	12/18/24 10:46	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X450068	NMS	12/18/24 10:46	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X450068	NMS	12/18/24 10:46	
EPA 200.7	**Calcium**	0.372	mg/L	0.100	0.069		X450068	NMS	12/18/24 10:46	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X450068	NMS	12/18/24 10:46	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X450068	NMS	12/18/24 10:46	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X450068	NMS	12/18/24 10:46	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X450068	NMS	12/18/24 10:46	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X450068	NMS	12/18/24 10:46	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X450068	NMS	12/18/24 10:46	
EPA 200.7	Magnesium	< 0.500	mg/L	0.500	0.090		X450068	NMS	12/18/24 10:46	
EPA 200.7	**Manganese**	0.0100	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:46	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 10:46	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X450068	NMS	12/18/24 10:46	
EPA 200.7	Potassium	< 0.50	mg/L	0.50	0.18		X450068	NMS	12/18/24 10:46	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:46	
EPA 200.7	**Sodium**	0.56	mg/L	0.50	0.12		X450068	NMS	12/18/24 10:46	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 10:46	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X450068	NMS	12/18/24 10:46	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X450005	SMU	12/13/24 10:52	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X450005	SMU	12/13/24 10:52	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X450005	SMU	12/13/24 10:52	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X450005	SMU	12/13/24 10:52	
EPA 200.8	**Uranium**	0.000152	mg/L	0.000100	0.000052		X450005	SMU	12/13/24 10:52	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X449202	MAC	12/10/24 14:45	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X449157	DD	12/05/24 16:24	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X450001	JPM	12/10/24 10:51	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X449151	JPM	12/09/24 11:49	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X451064	DD	12/18/24 10:32	H1
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X450188	MWD	12/16/24 13:29	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:44	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:44	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:44	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:44	
SM 2540 C	Total Diss. Solids	< 10	mg/L	10			X449132	TJL	12/06/24 13:20	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X449133	TJL	12/06/24 13:45	
SM 4500 H B	**pH @19.2°C**	5.3	pH Units				X450073	MWD	12/12/24 16:44	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: **X4L0028**
Reported: 19-Dec-24 12:36

Client Sample ID: **RB-1203**
SVL Sample ID: **X4L0028-03 (Ground Water)**

Sampled: 03-Dec-24 14:43
Received: 04-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	0.30	mg/L	0.20	0.02		X446241	RS	12/04/24 18:09	M2
EPA 300.0	**Fluoride**	0.171	mg/L	0.100	0.017		X446241	RS	12/04/24 18:09	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X446241	RS	12/04/24 18:09	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X446241	RS	12/04/24 18:09	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X446241	RS	12/04/24 18:09	
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X446241	RS	12/04/24 18:09	

Cation/Anion Balance and TDS Ratios

Cation Sum: 0.07 meq/L Anion Sum: 0.04 meq/L C/A Balance: 21.05 % Calculated TDS: 2 TDS/cTDS: 0.00

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0028**
Reported: 19-Dec-24 12:36

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	X450016	16-Dec-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X450016	16-Dec-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X450016	16-Dec-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X450068	18-Dec-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X450068	18-Dec-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X450068	18-Dec-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X450068	18-Dec-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X450068	18-Dec-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X450068	18-Dec-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X450068	18-Dec-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X450068	18-Dec-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X450068	18-Dec-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X450068	18-Dec-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X450068	18-Dec-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X450068	18-Dec-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X450068	18-Dec-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X450068	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X450068	18-Dec-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X450068	18-Dec-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X450068	18-Dec-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X450068	18-Dec-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X450068	18-Dec-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X450068	18-Dec-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X450068	18-Dec-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X450005	13-Dec-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X450005	13-Dec-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X450005	13-Dec-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X450005	13-Dec-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X450005	13-Dec-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X449202	10-Dec-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X449157	05-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X450001	10-Dec-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X449151	09-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X451064	18-Dec-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X450188	16-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X449132	06-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X449133	06-Dec-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X446241	04-Dec-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X446241	04-Dec-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X446241	04-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X446241	04-Dec-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X446241	04-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X446241	04-Dec-24	

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0028**
Reported: 19-Dec-24 12:36

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.7	20.0	99	85 - 115	X450016	16-Dec-24	
EPA 200.7	Magnesium	mg/L	20.1	20.0	100	85 - 115	X450016	16-Dec-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.1	85 - 115	X450016	16-Dec-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.01	1.00	101	85 - 115	X450068	18-Dec-24	
EPA 200.7	Barium	mg/L	1.00	1.00	100	85 - 115	X450068	18-Dec-24	
EPA 200.7	Beryllium	mg/L	0.988	1.00	98.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X450068	18-Dec-24	
EPA 200.7	Cadmium	mg/L	0.984	1.00	98.4	85 - 115	X450068	18-Dec-24	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.7	85 - 115	X450068	18-Dec-24	
EPA 200.7	Chromium	mg/L	0.991	1.00	99.1	85 - 115	X450068	18-Dec-24	
EPA 200.7	Cobalt	mg/L	0.974	1.00	97.4	85 - 115	X450068	18-Dec-24	
EPA 200.7	Copper	mg/L	0.978	1.00	97.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Iron	mg/L	9.90	10.0	99.0	85 - 115	X450068	18-Dec-24	
EPA 200.7	Lead	mg/L	0.986	1.00	98.6	85 - 115	X450068	18-Dec-24	
EPA 200.7	Lithium	mg/L	0.963	1.00	96.3	85 - 115	X450068	18-Dec-24	
EPA 200.7	Magnesium	mg/L	19.0	20.0	94.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Manganese	mg/L	0.988	1.00	98.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	1.00	1.00	100	85 - 115	X450068	18-Dec-24	
EPA 200.7	Nickel	mg/L	0.966	1.00	96.6	85 - 115	X450068	18-Dec-24	
EPA 200.7	Potassium	mg/L	20.0	20.0	99.9	85 - 115	X450068	18-Dec-24	
EPA 200.7	Silver	mg/L	0.0525	0.0500	105	85 - 115	X450068	18-Dec-24	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.5	85 - 115	X450068	18-Dec-24	
EPA 200.7	Vanadium	mg/L	1.01	1.00	101	85 - 115	X450068	18-Dec-24	
EPA 200.7	Zinc	mg/L	0.979	1.00	97.9	85 - 115	X450068	18-Dec-24	
EPA 200.8	Antimony	mg/L	0.0233	0.0250	93.0	85 - 115	X450005	13-Dec-24	
EPA 200.8	Arsenic	mg/L	0.0243	0.0250	97.3	85 - 115	X450005	13-Dec-24	
EPA 200.8	Selenium	mg/L	0.0229	0.0250	91.7	85 - 115	X450005	13-Dec-24	
EPA 200.8	Thallium	mg/L	0.0249	0.0250	99.7	85 - 115	X450005	13-Dec-24	
EPA 200.8	Uranium	mg/L	0.0249	0.0250	99.5	85 - 115	X450005	13-Dec-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00222	0.00200	111	85 - 115	X449202	10-Dec-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0930	0.100	93.0	90 - 110	X449157	05-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X450001	10-Dec-24	
EPA 350.1	Ammonia as N	mg/L	0.990	1.00	99.0	90 - 110	X449151	09-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.100	103	90 - 110	X451064	18-Dec-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X450188	16-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.2	99.3	98.9	96.4 - 105	X450073	12-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	408	397	103	96.4 - 105	X450073	12-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.4	9.93	105	96.4 - 105	X450073	13-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X449133	06-Dec-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.87	3.00	95.7	90 - 110	X446241	04-Dec-24	
EPA 300.0	Fluoride	mg/L	1.92	2.00	95.8	90 - 110	X446241	04-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.95	2.00	97.3	90 - 110	X446241	04-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.48	4.50	99.5	90 - 110	X446241	04-Dec-24	
EPA 300.0	Nitrite as N	mg/L	2.53	2.50	101	90 - 110	X446241	04-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	9.99	10.0	99.9	90 - 110	X446241	04-Dec-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0028**
Reported: 19-Dec-24 12:36

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	62.9	62.9	0.0	20	X450188 - X4K0329-13	16-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	369	374	1.4	10	X449132 - X4L0030-01	06-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	469	452	3.7	10	X449132 - X4L0047-01	06-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	9.0	0.0	10	X449133 - X4L0047-01	06-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X449133 - X4L0030-01	06-Dec-24	
SM 4500 H B	pH @19.0°C	pH Units	4.7	4.9	5.8	20	X450073 - X4L0028-02	12-Dec-24	R2B

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	211	192	20.0	92	70 - 130	X450016 - X4K0425-01	16-Dec-24	
EPA 200.7	Calcium	mg/L	75.2	58.2	20.0	85	70 - 130	X450016 - X4L0032-01	16-Dec-24	
EPA 200.7	Magnesium	mg/L	276	271	20.0	0.30R>S	70 - 130	X450016 - X4K0425-01	16-Dec-24	M3
EPA 200.7	Magnesium	mg/L	29.6	8.71	20.0	104	70 - 130	X450016 - X4L0032-01	16-Dec-24	
EPA 200.7	Potassium	mg/L	66.5	47.0	20.0	97.4	70 - 130	X450016 - X4K0425-01	16-Dec-24	
EPA 200.7	Potassium	mg/L	46.3	27.6	20.0	93.4	70 - 130	X450016 - X4L0032-01	16-Dec-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.00	1.01	1.00	99.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Aluminum	mg/L	1.02	<0.080	1.00	102	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Barium	mg/L	0.983	0.0095	1.00	97.4	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Barium	mg/L	0.991	<0.0020	1.00	99.1	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Beryllium	mg/L	1.04	0.0998	1.00	94.0	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Beryllium	mg/L	0.966	<0.00200	1.00	96.6	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Boron	mg/L	1.10	0.101	1.00	99.4	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Boron	mg/L	0.996	<0.0400	1.00	99.6	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Cadmium	mg/L	0.907	<0.0020	1.00	90.7	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Cadmium	mg/L	0.964	<0.0020	1.00	96.4	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Calcium	mg/L	515	496	20.0	93.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Calcium	mg/L	19.4	0.372	20.0	95.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Chromium	mg/L	0.942	<0.0060	1.00	94.2	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Chromium	mg/L	0.971	<0.0060	1.00	97.1	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Cobalt	mg/L	0.944	0.0318	1.00	91.2	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Cobalt	mg/L	0.944	<0.0060	1.00	94.4	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	99.8	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Copper	mg/L	0.930	<0.0100	1.00	93.0	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Iron	mg/L	24.0	14.5	10.0	94.8	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Iron	mg/L	9.73	<0.100	10.0	97.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Lead	mg/L	0.924	<0.0075	1.00	92.4	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Lead	mg/L	0.958	<0.0075	1.00	95.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Lithium	mg/L	1.09	<0.040	1.00	109	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Lithium	mg/L	0.932	<0.040	1.00	93.2	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Magnesium	mg/L	113	93.5	20.0	97.3	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Magnesium	mg/L	18.6	<0.500	20.0	92.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0028**
Reported: 19-Dec-24 12:36

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	11.1	10.4	1.00	75.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Manganese	mg/L	0.974	0.0100	1.00	96.4	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	0.957	<0.0080	1.00	95.7	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	0.972	<0.0080	1.00	97.2	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Nickel	mg/L	0.931	0.0150	1.00	91.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Nickel	mg/L	0.923	<0.0100	1.00	92.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Potassium	mg/L	29.4	9.87	20.0	97.7	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Potassium	mg/L	19.8	<0.50	20.0	97.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Silver	mg/L	0.0558	<0.0050	0.0500	103	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Silver	mg/L	0.0506	<0.0050	0.0500	101	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Sodium	mg/L	91.9	74.2	19.0	93.1	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Sodium	mg/L	18.9	0.56	19.0	96.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Vanadium	mg/L	0.979	<0.0050	1.00	97.9	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Vanadium	mg/L	0.978	<0.0050	1.00	97.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Zinc	mg/L	1.09	0.148	1.00	94.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Zinc	mg/L	0.965	<0.0100	1.00	96.5	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.8	Antimony	mg/L	0.0320	<0.0100	0.0250	95.1	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Antimony	mg/L	0.0231	<0.00100	0.0250	92.5	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Arsenic	mg/L	0.577	0.548	0.0250	115	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Arsenic	mg/L	0.0295	<0.00100	0.0250	115	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Selenium	mg/L	0.0561	0.0354	0.0250	82.8	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Selenium	mg/L	0.0294	<0.00100	0.0250	118	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Thallium	mg/L	0.0265	<0.00200	0.0250	106	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Thallium	mg/L	0.0297	<0.000200	0.0250	119	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Uranium	mg/L	6.81	6.77	0.0250	0.30R>S	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17,M4
EPA 200.8	Uranium	mg/L	0.0301	0.000277	0.0250	119	70 - 130	X450005 - X4L0090-01	13-Dec-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X449202 - X4L0028-02	10-Dec-24	
EPA 245.1	Mercury	mg/L	0.00205	<0.000200	0.00200	102	70 - 130	X449202 - X4L0083-01	10-Dec-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0770	<0.0050	0.100	77.0	79 - 121	X449157 - X4K0390-03	05-Dec-24	M2
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X450001 - X4L0028-02	10-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	0.0851	<0.0050	0.100	85.1	90 - 110	X450001 - X4L0028-01	10-Dec-24	M2
EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X449151 - X4L0028-03	09-Dec-24	
EPA 350.1	Ammonia as N	mg/L	1.14	0.089	1.00	105	90 - 110	X449151 - X4L0028-01	09-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0620	<0.0050	0.100	62.0	82 - 118	X451064 - X4L0028-01	18-Dec-24	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	2.88	<0.20	3.00	92.3	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Chloride	mg/L	2.99	0.30	3.00	89.4	90 - 110	X446241 - X4L0028-03	04-Dec-24	M2
EPA 300.0	Fluoride	mg/L	2.05	0.154	2.00	94.9	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Fluoride	mg/L	2.09	0.171	2.00	96.0	90 - 110	X446241 - X4L0028-03	04-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.94	<0.050	2.00	94.8	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.96	<0.050	2.00	98.1	90 - 110	X446241 - X4L0028-03	04-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.92	<0.100	4.00	96.3	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.97	<0.100	4.00	99.2	90 - 110	X446241 - X4L0028-03	04-Dec-24	
EPA 300.0	Nitrite as N	mg/L	1.98	<0.050	2.00	99.0	90 - 110	X446241 - X4L0028-02	04-Dec-24	
EPA 300.0	Nitrite as N	mg/L	2.01	<0.050	2.00	100	90 - 110	X446241 - X4L0028-03	04-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	9.70	<0.30	10.0	97.0	90 - 110	X446241 - X4L0028-02	04-Dec-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0028**
Reported: 19-Dec-24 12:36

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	10.2	<0.30	10.0	98.9	90 - 110	X446241 - X4L0028-03	04-Dec-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	208	211	20.0	1.0	20	78	X450016 - X4K0425-01	
EPA 200.7	Magnesium	mg/L	278	276	20.0	0.7	20	0.30R>S	X450016 - X4K0425-01	M3
EPA 200.7	Potassium	mg/L	65.8	66.5	20.0	1.0	20	94.0	X450016 - X4K0425-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.03	2.00	1.00	1.2	20	102	X450068 - X4L0028-01	
EPA 200.7	Barium	mg/L	1.01	0.983	1.00	2.4	20	99.8	X450068 - X4L0028-01	
EPA 200.7	Beryllium	mg/L	1.06	1.04	1.00	1.9	20	96.0	X450068 - X4L0028-01	
EPA 200.7	Boron	mg/L	1.12	1.10	1.00	2.2	20	102	X450068 - X4L0028-01	
EPA 200.7	Cadmium	mg/L	0.946	0.907	1.00	4.3	20	94.6	X450068 - X4L0028-01	
EPA 200.7	Calcium	mg/L	512	515	20.0	0.5	20	80.4	X450068 - X4L0028-01	
EPA 200.7	Chromium	mg/L	0.970	0.942	1.00	2.9	20	97.0	X450068 - X4L0028-01	
EPA 200.7	Cobalt	mg/L	0.980	0.944	1.00	3.7	20	94.8	X450068 - X4L0028-01	
EPA 200.7	Copper	mg/L	1.02	1.00	1.00	1.5	20	101	X450068 - X4L0028-01	
EPA 200.7	Iron	mg/L	24.2	24.0	10.0	0.8	20	96.8	X450068 - X4L0028-01	
EPA 200.7	Lead	mg/L	0.961	0.924	1.00	3.9	20	96.1	X450068 - X4L0028-01	
EPA 200.7	Lithium	mg/L	1.11	1.09	1.00	2.1	20	111	X450068 - X4L0028-01	
EPA 200.7	Magnesium	mg/L	112	113	20.0	0.6	20	93.7	X450068 - X4L0028-01	
EPA 200.7	Manganese	mg/L	11.1	11.1	1.00	0.5	20	70.6	X450068 - X4L0028-01	
EPA 200.7	Molybdenum	mg/L	0.996	0.957	1.00	4.0	20	99.6	X450068 - X4L0028-01	
EPA 200.7	Nickel	mg/L	0.966	0.931	1.00	3.6	20	95.1	X450068 - X4L0028-01	
EPA 200.7	Potassium	mg/L	29.8	29.4	20.0	1.2	20	99.4	X450068 - X4L0028-01	
EPA 200.7	Silver	mg/L	0.0579	0.0558	0.0500	3.8	20	107	X450068 - X4L0028-01	
EPA 200.7	Sodium	mg/L	92.1	91.9	19.0	0.2	20	94.2	X450068 - X4L0028-01	
EPA 200.7	Vanadium	mg/L	1.01	0.979	1.00	2.7	20	101	X450068 - X4L0028-01	
EPA 200.7	Zinc	mg/L	1.14	1.09	1.00	3.8	20	98.8	X450068 - X4L0028-01	
EPA 200.8	Antimony	mg/L	0.0330	0.0320	0.0250	3.0	20	99.0	X450005 - X4K0435-01	D17
EPA 200.8	Arsenic	mg/L	0.591	0.577	0.0250	2.4	20	0.30R>S	X450005 - X4K0435-01	D17,M4
EPA 200.8	Selenium	mg/L	0.0571	0.0561	0.0250	1.8	20	86.8	X450005 - X4K0435-01	D17
EPA 200.8	Thallium	mg/L	0.0276	0.0265	0.0250	3.8	20	110	X450005 - X4K0435-01	D17
EPA 200.8	Uranium	mg/L	6.93	6.81	0.0250	1.8	20	0.30R>S	X450005 - X4K0435-01	D17,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00210	0.00209	0.00200	0.7	20	105	X449202 - X4L0028-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0850	0.0770	0.100	9.9	11	85.0	X449157 - X4K0390-03	
EPA 335.4	Cyanide (total)	mg/L	0.102	0.101	0.100	1.1	20	102	X450001 - X4L0028-02	
EPA 350.1	Ammonia as N	mg/L	1.07	1.01	1.00	5.5	20	107	X449151 - X4L0028-03	
OIA 1677	Cyanide (WAD)	mg/L	0.0690	0.0620	0.100	10.7	11	69.0	X451064 - X4L0028-01	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	2.91	2.88	3.00	0.9	20	93.2	X446241 - X4L0028-02	
EPA 300.0	Fluoride	mg/L	2.10	2.05	2.00	2.3	20	97.3	X446241 - X4L0028-02	
EPA 300.0	Nitrate as N	mg/L	1.96	1.94	2.00	1.4	20	96.1	X446241 - X4L0028-02	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.96	3.92	4.00	1.1	20	97.5	X446241 - X4L0028-02	
EPA 300.0	Nitrite as N	mg/L	2.00	1.98	2.00	0.9	20	99.9	X446241 - X4L0028-02	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0028**
Reported: 19-Dec-24 12:36

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	9.90	9.70	10.0	2.1	20	99.0	X446241 - X4L0028-02	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4L0028**
Victor, CO 80860	Reported: 19-Dec-24 12:36

Notes and Definitions

D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
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: **X4L0077**
Victor, CO 80860	Reported: 19-Dec-24 12:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
PGMW-3	X4L0077-01	Ground Water	04-Dec-24 10:04	TR	05-Dec-2024	
ESPMW-1	X4L0077-02	Ground Water	04-Dec-24 10:41	TR	05-Dec-2024	
VIN-2B	X4L0077-03	Ground Water	04-Dec-24 12:57	TR	05-Dec-2024	

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

Case Narrative: X4L0077

The state of origin only accredits for drinking water analyses.

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

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

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0077**
Reported: 19-Dec-24 12:57

Client Sample ID: **PGMW-3**
SVL Sample ID: **X4L0077-01 (Ground Water)**

Sampled: 04-Dec-24 10:04
Received: 05-Dec-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**	157	mg/L	0.100	0.069		X450037	SJN	12/16/24 16:21	
EPA 200.7	**Magnesium**	45.3	mg/L	0.500	0.090		X450037	SJN	12/16/24 16:21	
EPA 200.7	**Potassium**	5.21	mg/L	0.50	0.18		X450037	SJN	12/16/24 16:21	
SM 2340 B	**Hardness (as CaCO3)**	578	mg/L	2.31	0.543		N/A		12/18/24 11:22	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	9.58	mg/L	0.080	0.054		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Barium**	0.0164	mg/L	0.0020	0.0019		X450068	NMS	12/18/24 11:22	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X450068	NMS	12/18/24 11:22	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X450068	NMS	12/18/24 11:22	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Calcium**	153	mg/L	0.100	0.069		X450068	NMS	12/18/24 11:22	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Cobalt**	0.0326	mg/L	0.0060	0.0046		X450068	NMS	12/18/24 11:22	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Iron**	0.479	mg/L	0.100	0.056		X450068	NMS	12/18/24 11:22	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X450068	SJN	12/18/24 12:55	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Magnesium**	42.4	mg/L	0.500	0.090		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Manganese**	6.36	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 11:22	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Nickel**	0.0337	mg/L	0.0100	0.0048		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Potassium**	5.24	mg/L	0.50	0.18		X450068	NMS	12/18/24 11:22	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Sodium**	23.6	mg/L	0.50	0.12		X450068	NMS	12/18/24 11:22	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 11:22	
EPA 200.7	**Zinc**	0.252	mg/L	0.0100	0.0054		X450068	NMS	12/18/24 11:22	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X450005	SMU	12/13/24 11:01	
EPA 200.8	**Arsenic**	0.00239	mg/L	0.00100	0.00021		X450005	SMU	12/13/24 11:01	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X450005	SMU	12/13/24 11:01	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X450005	SMU	12/13/24 11:01	
EPA 200.8	**Uranium**	0.00188	mg/L	0.000100	0.000052		X450005	SMU	12/13/24 11:01	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X449202	MAC	12/10/24 14:56	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X450109	DD	12/11/24 12:58	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X450001	JPM	12/10/24 11:26	
EPA 350.1	**Ammonia as N**	0.343	mg/L	0.030	0.013		X450059	JPM	12/11/24 10:07	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X451064	DD	12/18/24 10:41	
SM 2310 B	**Acidity to pH 8.3**	62.9	mg/L as CaCO3	10.0			X450188	MWD	12/16/24 13:29	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:59	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:59	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:59	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 16:59	
SM 2540 C	**Total Diss. Solids**	1050	mg/L	10			X449148	TJL	12/09/24 13:10	
SM 2540 D	**Total Susp. Solids**	20.0	mg/L	5.0			X449149	TJL	12/09/24 14:10	
SM 4500 H B	**pH @19.1°C**	4.6	pH Units				X450073	MWD	12/12/24 16:59	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: **X4L0077**
Reported: 19-Dec-24 12:57

Client Sample ID: **PGMW-3**
SVL Sample ID: **X4L0077-01 (Ground Water)**

Sampled: 04-Dec-24 10:04
Received: 05-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	52.6	mg/L	10.0	1.10	50	X449160	RS	12/05/24 14:59	
EPA 300.0	**Fluoride**	2.18	mg/L	0.100	0.017		X449160	RS	12/05/24 14:42	
EPA 300.0	**Nitrate as N**	2.37	mg/L	0.050	0.013		X449160	RS	12/05/24 14:42	
EPA 300.0	**Nitrate+Nitrite as N**	2.74	mg/L	0.100	0.044		X449160	RS	12/05/24 14:42	
EPA 300.0	**Nitrite as N**	0.367	mg/L	0.050	0.031		X449160	RS	12/05/24 14:42	
EPA 300.0	**Sulfate as SO4**	587	mg/L	15.0	9.00	50	X449160	RS	12/05/24 14:59	
Cation/Anion Balance and TDS Ratios										

Cation Sum: 13.6 meq/L Anion Sum: 14.0 meq/L C/A Balance: -1.45 % Calculated TDS: 882 TDS/cTDS: 1.19

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0077**
Reported: 19-Dec-24 12:57

Client Sample ID: **ESPMW-1**
SVL Sample ID: **X4L0077-02 (Ground Water)**

Sampled: 04-Dec-24 10:41
Received: 05-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Classical Chemistry Parameters										
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X451064	DD	12/18/24 10:43	

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0077**
Reported: 19-Dec-24 12:57

Client Sample ID: **VIN-2B**
SVL Sample ID: **X4L0077-03 (Ground Water)**

Sampled: 04-Dec-24 12:57
Received: 05-Dec-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**	206	mg/L	0.100	0.069		X450037	SJN	12/16/24 16:24	
EPA 200.7	**Magnesium**	54.8	mg/L	0.500	0.090		X450037	SJN	12/16/24 16:24	
EPA 200.7	**Potassium**	2.05	mg/L	0.50	0.18		X450037	SJN	12/16/24 16:24	
SM 2340 B	**Hardness (as CaCO3)**	741	mg/L	2.31	0.543		N/A		12/18/24 11:26	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X450068	NMS	12/18/24 11:26	
EPA 200.7	**Barium**	0.0049	mg/L	0.0020	0.0019		X450068	NMS	12/18/24 11:26	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X450068	NMS	12/18/24 11:26	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X450068	NMS	12/18/24 11:26	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X450068	NMS	12/18/24 11:26	
EPA 200.7	**Calcium**	200	mg/L	0.100	0.069		X450068	NMS	12/18/24 11:26	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X450068	NMS	12/18/24 11:26	
EPA 200.7	**Cobalt**	0.0064	mg/L	0.0060	0.0046		X450068	NMS	12/18/24 11:26	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X450068	NMS	12/18/24 11:26	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X450068	NMS	12/18/24 11:26	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X450068	SJN	12/18/24 12:59	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X450068	NMS	12/18/24 11:26	
EPA 200.7	**Magnesium**	50.9	mg/L	0.500	0.090		X450068	NMS	12/18/24 11:26	
EPA 200.7	**Manganese**	1.80	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 11:26	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X450068	NMS	12/18/24 11:26	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X450068	NMS	12/18/24 11:26	
EPA 200.7	**Potassium**	2.16	mg/L	0.50	0.18		X450068	NMS	12/18/24 11:26	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 11:26	
EPA 200.7	**Sodium**	33.5	mg/L	0.50	0.12		X450068	NMS	12/18/24 11:26	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X450068	NMS	12/18/24 11:26	
EPA 200.7	**Zinc**	0.0111	mg/L	0.0100	0.0054		X450068	NMS	12/18/24 11:26	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X450005	SMU	12/13/24 11:05	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X450005	SMU	12/13/24 11:05	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X450005	SMU	12/13/24 11:05	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X450005	SMU	12/13/24 11:05	
EPA 200.8	**Uranium**	0.000222	mg/L	0.000100	0.000052		X450005	SMU	12/13/24 11:05	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X449202	MAC	12/10/24 14:58	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X450109	DD	12/11/24 13:00	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X450001	JPM	12/10/24 11:29	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X450059	JPM	12/11/24 10:10	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X451064	DD	12/18/24 10:44	
SM 2310 B	**Acidity to pH 8.3**	-56.5	mg/L as CaCO3	10.0			X450188	MWD	12/16/24 13:29	
SM 2320 B	**Total Alkalinity**	65.8	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 17:03	
SM 2320 B	**Bicarbonate**	65.8	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 17:03	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 17:03	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X450073	MWD	12/12/24 17:03	
SM 2540 C	**Total Diss. Solids**	1260	mg/L	10			X449148	TJL	12/09/24 13:10	
SM 2540 D	**Total Susp. Solids**	10.0	mg/L	5.0			X449149	TJL	12/09/24 14:10	
SM 4500 H B	**pH @19.2°C**	7.3	pH Units				X450073	MWD	12/12/24 17:03	H5

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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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: **X4L0077**
Reported: 19-Dec-24 12:57

Client Sample ID: **VIN-2B**
SVL Sample ID: **X4L0077-03 (Ground Water)**

Sampled: 04-Dec-24 12:57
Received: 05-Dec-24
Sampled By: TR

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	11.4	mg/L	0.20	0.02		X449160	RS	12/05/24 15:15	
EPA 300.0	**Fluoride**	0.165	mg/L	0.100	0.017		X449160	RS	12/05/24 15:15	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X449160	RS	12/05/24 15:15	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X449160	RS	12/05/24 15:15	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X449160	RS	12/05/24 15:15	
EPA 300.0	**Sulfate as SO4**	721	mg/L	15.0	9.00	50	X449160	RS	12/05/24 15:32	

Cation/Anion Balance and TDS Ratios

Cation Sum: 15.8 meq/L Anion Sum: 16.7 meq/L C/A Balance: -2.78 % Calculated TDS: 1064 TDS/cTDS: 1.18

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0077**
Reported: 19-Dec-24 12:57

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)								
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X450037	16-Dec-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X450037	16-Dec-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X450037	16-Dec-24	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X450068	18-Dec-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X450068	18-Dec-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X450068	18-Dec-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X450068	18-Dec-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X450068	18-Dec-24	
EPA 200.7	Calcium	mg/L	<0.100	0.069	0.100	X450068	18-Dec-24	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X450068	18-Dec-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X450068	18-Dec-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X450068	18-Dec-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X450068	18-Dec-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X450068	18-Dec-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X450068	18-Dec-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X450068	18-Dec-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X450068	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X450068	18-Dec-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X450068	18-Dec-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X450068	18-Dec-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X450068	18-Dec-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X450068	18-Dec-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X450068	18-Dec-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X450068	18-Dec-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X450005	13-Dec-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X450005	13-Dec-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X450005	13-Dec-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X450005	13-Dec-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X450005	13-Dec-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X449202	10-Dec-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X450109	11-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X450001	10-Dec-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X450059	11-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X451064	18-Dec-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X450188	16-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X450073	12-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X449148	09-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X449149	09-Dec-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X449160	05-Dec-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X449160	05-Dec-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X449160	05-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X449160	05-Dec-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X449160	05-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X449160	05-Dec-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0077**
Reported: 19-Dec-24 12:57

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	20.2	20.0	101	85 - 115	X450037	16-Dec-24	
EPA 200.7	Magnesium	mg/L	20.4	20.0	102	85 - 115	X450037	16-Dec-24	
EPA 200.7	Potassium	mg/L	20.0	20.0	100	85 - 115	X450037	16-Dec-24	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.01	1.00	101	85 - 115	X450068	18-Dec-24	
EPA 200.7	Barium	mg/L	1.00	1.00	100	85 - 115	X450068	18-Dec-24	
EPA 200.7	Beryllium	mg/L	0.988	1.00	98.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Boron	mg/L	1.01	1.00	101	85 - 115	X450068	18-Dec-24	
EPA 200.7	Cadmium	mg/L	0.984	1.00	98.4	85 - 115	X450068	18-Dec-24	
EPA 200.7	Calcium	mg/L	19.5	20.0	97.7	85 - 115	X450068	18-Dec-24	
EPA 200.7	Chromium	mg/L	0.991	1.00	99.1	85 - 115	X450068	18-Dec-24	
EPA 200.7	Cobalt	mg/L	0.974	1.00	97.4	85 - 115	X450068	18-Dec-24	
EPA 200.7	Copper	mg/L	0.978	1.00	97.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Iron	mg/L	9.90	10.0	99.0	85 - 115	X450068	18-Dec-24	
EPA 200.7	Lead	mg/L	0.986	1.00	98.6	85 - 115	X450068	18-Dec-24	
EPA 200.7	Lithium	mg/L	0.963	1.00	96.3	85 - 115	X450068	18-Dec-24	
EPA 200.7	Magnesium	mg/L	19.0	20.0	94.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Manganese	mg/L	0.988	1.00	98.8	85 - 115	X450068	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	1.00	1.00	100	85 - 115	X450068	18-Dec-24	
EPA 200.7	Nickel	mg/L	0.966	1.00	96.6	85 - 115	X450068	18-Dec-24	
EPA 200.7	Potassium	mg/L	20.0	20.0	99.9	85 - 115	X450068	18-Dec-24	
EPA 200.7	Silver	mg/L	0.0525	0.0500	105	85 - 115	X450068	18-Dec-24	
EPA 200.7	Sodium	mg/L	18.7	19.0	98.5	85 - 115	X450068	18-Dec-24	
EPA 200.7	Vanadium	mg/L	1.01	1.00	101	85 - 115	X450068	18-Dec-24	
EPA 200.7	Zinc	mg/L	0.979	1.00	97.9	85 - 115	X450068	18-Dec-24	
EPA 200.8	Antimony	mg/L	0.0233	0.0250	93.0	85 - 115	X450005	13-Dec-24	
EPA 200.8	Arsenic	mg/L	0.0243	0.0250	97.3	85 - 115	X450005	13-Dec-24	
EPA 200.8	Selenium	mg/L	0.0229	0.0250	91.7	85 - 115	X450005	13-Dec-24	
EPA 200.8	Thallium	mg/L	0.0249	0.0250	99.7	85 - 115	X450005	13-Dec-24	
EPA 200.8	Uranium	mg/L	0.0249	0.0250	99.5	85 - 115	X450005	13-Dec-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00222	0.00200	111	85 - 115	X449202	10-Dec-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	0.100	102	90 - 110	X450109	11-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	0.101	0.100	101	90 - 110	X450001	10-Dec-24	
EPA 350.1	Ammonia as N	mg/L	0.954	1.00	95.4	90 - 110	X450059	11-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.100	103	90 - 110	X451064	18-Dec-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	720	706	102	95.4 - 104	X450188	16-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.2	99.3	98.9	96.4 - 105	X450073	12-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	408	397	103	96.4 - 105	X450073	12-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.4	9.93	105	96.4 - 105	X450073	13-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X449149	09-Dec-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.2	90 - 110	X449160	05-Dec-24	
EPA 300.0	Fluoride	mg/L	2.00	2.00	99.8	90 - 110	X449160	05-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.96	2.00	97.9	90 - 110	X449160	05-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.47	4.50	99.3	90 - 110	X449160	05-Dec-24	
EPA 300.0	Nitrite as N	mg/L	2.51	2.50	100	90 - 110	X449160	05-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X449160	05-Dec-24	

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0077**
Reported: 19-Dec-24 12:57

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	62.9	62.9	0.0	20	X450188 - X4K0329-13	16-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X450073 - X4L0028-02	12-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	353	358	1.4	10	X449148 - X4L0032-02	09-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	10.0	10.0	0.0	10	X449149 - X4L0032-02	09-Dec-24	
SM 4500 H B	pH @19.0°C	pH Units	4.7	4.9	5.8	20	X450073 - X4L0028-02	12-Dec-24	R2B

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	181	157	20.0	124	70 - 130	X450037 - X4L0077-01	16-Dec-24	
EPA 200.7	Magnesium	mg/L	70.2	45.3	20.0	124	70 - 130	X450037 - X4L0077-01	16-Dec-24	
EPA 200.7	Potassium	mg/L	26.5	5.21	20.0	106	70 - 130	X450037 - X4L0077-01	16-Dec-24	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.00	1.01	1.00	99.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Aluminum	mg/L	1.02	<0.080	1.00	102	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Barium	mg/L	0.983	0.0095	1.00	97.4	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Barium	mg/L	0.991	<0.0020	1.00	99.1	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Beryllium	mg/L	1.04	0.0998	1.00	94.0	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Beryllium	mg/L	0.966	<0.00200	1.00	96.6	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Boron	mg/L	1.10	0.101	1.00	99.4	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Boron	mg/L	0.996	<0.0400	1.00	99.6	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Cadmium	mg/L	0.907	<0.0020	1.00	90.7	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Cadmium	mg/L	0.964	<0.0020	1.00	96.4	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Calcium	mg/L	515	496	20.0	93.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Calcium	mg/L	19.4	0.372	20.0	95.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Chromium	mg/L	0.942	<0.0060	1.00	94.2	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Chromium	mg/L	0.971	<0.0060	1.00	97.1	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Cobalt	mg/L	0.944	0.0318	1.00	91.2	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Cobalt	mg/L	0.944	<0.0060	1.00	94.4	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Copper	mg/L	1.00	<0.0100	1.00	99.8	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Copper	mg/L	0.930	<0.0100	1.00	93.0	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Iron	mg/L	24.0	14.5	10.0	94.8	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Iron	mg/L	9.73	<0.100	10.0	97.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Lead	mg/L	0.924	<0.0075	1.00	92.4	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Lead	mg/L	0.958	<0.0075	1.00	95.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Lithium	mg/L	1.09	<0.040	1.00	109	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Lithium	mg/L	0.932	<0.040	1.00	93.2	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Magnesium	mg/L	113	93.5	20.0	97.3	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Magnesium	mg/L	18.6	<0.500	20.0	92.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Manganese	mg/L	11.1	10.4	1.00	75.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Manganese	mg/L	0.974	0.0100	1.00	96.4	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	0.957	<0.0080	1.00	95.7	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Molybdenum	mg/L	0.972	<0.0080	1.00	97.2	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Nickel	mg/L	0.931	0.0150	1.00	91.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	

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Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0077**
Reported: 19-Dec-24 12:57

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Nickel	mg/L	0.923	<0.0100	1.00	92.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Potassium	mg/L	29.4	9.87	20.0	97.7	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Potassium	mg/L	19.8	<0.50	20.0	97.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Silver	mg/L	0.0558	<0.0050	0.0500	103	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Silver	mg/L	0.0506	<0.0050	0.0500	101	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Sodium	mg/L	91.9	74.2	19.0	93.1	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Sodium	mg/L	18.9	0.56	19.0	96.3	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Vanadium	mg/L	0.979	<0.0050	1.00	97.9	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Vanadium	mg/L	0.978	<0.0050	1.00	97.8	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.7	Zinc	mg/L	1.09	0.148	1.00	94.6	70 - 130	X450068 - X4L0028-01	18-Dec-24	
EPA 200.7	Zinc	mg/L	0.965	<0.0100	1.00	96.5	70 - 130	X450068 - X4L0028-03	18-Dec-24	
EPA 200.8	Antimony	mg/L	0.0320	<0.0100	0.0250	95.1	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Antimony	mg/L	0.0231	<0.00100	0.0250	92.5	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Arsenic	mg/L	0.577	0.548	0.0250	115	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Arsenic	mg/L	0.0295	<0.00100	0.0250	115	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Selenium	mg/L	0.0561	0.0354	0.0250	82.8	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Selenium	mg/L	0.0294	<0.00100	0.0250	118	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Thallium	mg/L	0.0265	<0.00200	0.0250	106	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17
EPA 200.8	Thallium	mg/L	0.0297	<0.000200	0.0250	119	70 - 130	X450005 - X4L0090-01	13-Dec-24	
EPA 200.8	Uranium	mg/L	6.81	6.77	0.0250	0.30R>S	70 - 130	X450005 - X4K0435-01	13-Dec-24	D17,M4
EPA 200.8	Uranium	mg/L	0.0301	0.000277	0.0250	119	70 - 130	X450005 - X4L0090-01	13-Dec-24	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00209	<0.000200	0.00200	104	70 - 130	X449202 - X4L0028-02	10-Dec-24	
EPA 245.1	Mercury	mg/L	0.00205	<0.000200	0.00200	102	70 - 130	X449202 - X4L0083-01	10-Dec-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.114	<0.0050	0.100	114	79 - 121	X450109 - X4L0058-08	11-Dec-24	R4
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X450001 - X4L0028-02	10-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	0.0851	<0.0050	0.100	85.1	90 - 110	X450001 - X4L0028-01	10-Dec-24	M2
EPA 350.1	Ammonia as N	mg/L	1.26	0.041	1.00	122	90 - 110	X450059 - X4L0080-03	11-Dec-24	M1
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	105	90 - 110	X450059 - X4L0080-01	11-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	0.0620	<0.0050	0.100	62.0	82 - 118	X451064 - X4L0028-01	18-Dec-24	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.92	0.92	3.00	99.8	90 - 110	X449160 - X4L0080-01	05-Dec-24	
EPA 300.0	Fluoride	mg/L	2.02	<0.100	2.00	99.8	90 - 110	X449160 - X4L0080-01	05-Dec-24	
EPA 300.0	Nitrate as N	mg/L	2.35	0.379	2.00	98.7	90 - 110	X449160 - X4L0080-01	05-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.35	0.379	4.00	99.3	90 - 110	X449160 - X4L0080-01	05-Dec-24	
EPA 300.0	Nitrite as N	mg/L	2.00	<0.050	2.00	99.8	90 - 110	X449160 - X4L0080-01	05-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	11.2	1.01	10.0	102	90 - 110	X449160 - X4L0080-01	05-Dec-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	171	181	20.0	6.0	20	74	X450037 - X4L0077-01	
EPA 200.7	Magnesium	mg/L	66.6	70.2	20.0	5.3	20	106	X450037 - X4L0077-01	
EPA 200.7	Potassium	mg/L	25.3	26.5	20.0	4.7	20	100	X450037 - X4L0077-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	2.03	2.00	1.00	1.2	20	102	X450068 - X4L0028-01	

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0077**
Reported: 19-Dec-24 12:57

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Barium	mg/L	1.01	0.983	1.00	2.4	20	99.8	X450068 - X4L0028-01	
EPA 200.7	Beryllium	mg/L	1.06	1.04	1.00	1.9	20	96.0	X450068 - X4L0028-01	
EPA 200.7	Boron	mg/L	1.12	1.10	1.00	2.2	20	102	X450068 - X4L0028-01	
EPA 200.7	Cadmium	mg/L	0.946	0.907	1.00	4.3	20	94.6	X450068 - X4L0028-01	
EPA 200.7	Calcium	mg/L	512	515	20.0	0.5	20	80.4	X450068 - X4L0028-01	
EPA 200.7	Chromium	mg/L	0.970	0.942	1.00	2.9	20	97.0	X450068 - X4L0028-01	
EPA 200.7	Cobalt	mg/L	0.980	0.944	1.00	3.7	20	94.8	X450068 - X4L0028-01	
EPA 200.7	Copper	mg/L	1.02	1.00	1.00	1.5	20	101	X450068 - X4L0028-01	
EPA 200.7	Iron	mg/L	24.2	24.0	10.0	0.8	20	96.8	X450068 - X4L0028-01	
EPA 200.7	Lead	mg/L	0.961	0.924	1.00	3.9	20	96.1	X450068 - X4L0028-01	
EPA 200.7	Lithium	mg/L	1.11	1.09	1.00	2.1	20	111	X450068 - X4L0028-01	
EPA 200.7	Magnesium	mg/L	112	113	20.0	0.6	20	93.7	X450068 - X4L0028-01	
EPA 200.7	Manganese	mg/L	11.1	11.1	1.00	0.5	20	70.6	X450068 - X4L0028-01	
EPA 200.7	Molybdenum	mg/L	0.996	0.957	1.00	4.0	20	99.6	X450068 - X4L0028-01	
EPA 200.7	Nickel	mg/L	0.966	0.931	1.00	3.6	20	95.1	X450068 - X4L0028-01	
EPA 200.7	Potassium	mg/L	29.8	29.4	20.0	1.2	20	99.4	X450068 - X4L0028-01	
EPA 200.7	Silver	mg/L	0.0579	0.0558	0.0500	3.8	20	107	X450068 - X4L0028-01	
EPA 200.7	Sodium	mg/L	92.1	91.9	19.0	0.2	20	94.2	X450068 - X4L0028-01	
EPA 200.7	Vanadium	mg/L	1.01	0.979	1.00	2.7	20	101	X450068 - X4L0028-01	
EPA 200.7	Zinc	mg/L	1.14	1.09	1.00	3.8	20	98.8	X450068 - X4L0028-01	
EPA 200.8	Antimony	mg/L	0.0330	0.0320	0.0250	3.0	20	99.0	X450005 - X4K0435-01	D17
EPA 200.8	Arsenic	mg/L	0.591	0.577	0.0250	2.4	20	0.30R>S	X450005 - X4K0435-01	D17,M4
EPA 200.8	Selenium	mg/L	0.0571	0.0561	0.0250	1.8	20	86.8	X450005 - X4K0435-01	D17
EPA 200.8	Thallium	mg/L	0.0276	0.0265	0.0250	3.8	20	110	X450005 - X4K0435-01	D17
EPA 200.8	Uranium	mg/L	6.93	6.81	0.0250	1.8	20	0.30R>S	X450005 - X4K0435-01	D17,M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00210	0.00209	0.00200	0.7	20	105	X449202 - X4L0028-02	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.100	0.114	0.100	13.1	11	100	X450109 - X4L0058-08	R4
EPA 335.4	Cyanide (total)	mg/L	0.102	0.101	0.100	1.1	20	102	X450001 - X4L0028-02	
EPA 350.1	Ammonia as N	mg/L	1.15	1.26	1.00	9.2	20	111	X450059 - X4L0080-03	M1
OIA 1677	Cyanide (WAD)	mg/L	0.0690	0.0620	0.100	10.7	11	69.0	X451064 - X4L0028-01	M2
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.98	3.92	3.00	1.5	20	102	X449160 - X4L0080-01	
EPA 300.0	Fluoride	mg/L	2.06	2.02	2.00	2.1	20	102	X449160 - X4L0080-01	
EPA 300.0	Nitrate as N	mg/L	2.40	2.35	2.00	1.8	20	101	X449160 - X4L0080-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.43	4.35	4.00	1.7	20	101	X449160 - X4L0080-01	
EPA 300.0	Nitrite as N	mg/L	2.03	2.00	2.00	1.6	20	101	X449160 - X4L0080-01	
EPA 300.0	Sulfate as SO4	mg/L	11.4	11.2	10.0	1.8	20	104	X449160 - X4L0080-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4L0077**
Victor, CO 80860	Reported: 19-Dec-24 12:57

Notes and Definitions

D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
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.
R4	MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4L0289**
Victor, CO 80860	Reported: 03-Jan-25 13:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
VIN-2A	X4L0289-01	Ground Water	17-Dec-24 09:32	JC	18-Dec-2024	Q24

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

Case Narrative: X4L0289

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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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0289**
Reported: 03-Jan-25 13:43

Client Sample ID: **VIN-2A**
SVL Sample ID: **X4L0289-01 (Ground Water)**

Sampled: 17-Dec-24 09:32
Received: 18-Dec-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	**Calcium**	203	mg/L	0.100	0.069		X453022	NMS	01/03/25 09:07	
EPA 200.7	**Magnesium**	52.0	mg/L	0.500	0.090		X453022	NMS	01/03/25 09:07	
EPA 200.7	**Potassium**	2.03	mg/L	0.50	0.18		X453022	NMS	01/03/25 09:07	
SM 2340 B	**Hardness (as CaCO3)**	721	mg/L	2.31	0.543		N/A		12/24/24 12:53	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X452020	SJN	12/24/24 12:53	
EPA 200.7	**Barium**	0.0076	mg/L	0.0020	0.0019		X452020	SJN	12/24/24 12:53	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X452020	SJN	12/24/24 12:53	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X452020	SJN	12/24/24 12:53	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X452020	SJN	12/24/24 12:53	
EPA 200.7	**Calcium**	197	mg/L	0.100	0.069		X452020	SJN	12/24/24 12:53	B7
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X452020	SJN	12/24/24 12:53	
EPA 200.7	**Cobalt**	0.0098	mg/L	0.0060	0.0046		X452020	SJN	12/24/24 12:53	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X452020	SJN	12/24/24 12:53	
EPA 200.7	**Iron**	0.118	mg/L	0.100	0.056		X452020	SJN	12/24/24 12:53	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X452020	SJN	12/24/24 12:53	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X452020	SJN	12/24/24 12:53	
EPA 200.7	**Magnesium**	49.2	mg/L	0.500	0.090		X452020	SJN	12/24/24 12:53	
EPA 200.7	**Manganese**	0.0327	mg/L	0.0080	0.0034		X452020	SJN	12/24/24 12:53	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X452020	SJN	12/24/24 12:53	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X452020	SJN	12/24/24 12:53	
EPA 200.7	**Potassium**	1.61	mg/L	0.50	0.18		X452020	SJN	12/24/24 12:53	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X452020	SJN	12/24/24 12:53	
EPA 200.7	**Sodium**	22.1	mg/L	0.50	0.12		X452020	SJN	12/24/24 12:53	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X452020	SJN	12/24/24 12:53	
EPA 200.7	**Zinc**	2.58	mg/L	0.0100	0.0054		X452020	SJN	12/24/24 12:53	
EPA 200.8	Antimony	< 0.00100	mg/L	0.00100	0.00072		X452003	JRR	12/30/24 19:31	
EPA 200.8	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X452003	JRR	12/30/24 19:31	
EPA 200.8	Selenium	< 0.00100	mg/L	0.00100	0.00024		X452003	JRR	12/30/24 19:31	
EPA 200.8	Thallium	< 0.000200	mg/L	0.000200	0.00008		X452003	JRR	12/30/24 19:31	
EPA 200.8	**Uranium**	0.00290	mg/L	0.000100	0.000052		X452003	JRR	12/31/24 09:44	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X452043	MAC	12/30/24 13:46	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	< 0.0050	mg/L	0.0050	0.0048		X451165	DD	12/24/24 18:19	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X451170	JPM	12/24/24 10:45	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X451136	DD	12/20/24 12:17	
OIA 1677	Cyanide (WAD)	< 0.0050	mg/L	0.0050	0.0010		X452053	DD	12/24/24 20:06	
SM 2310 B	**Acidity to pH 8.3**	-104	mg/L as CaCO3	10.0			X453012	MWD	12/30/24 10:36	
SM 2320 B	**Total Alkalinity**	103	mg/L as CaCO3	1.0			X451184	MWD	12/20/24 22:34	
SM 2320 B	**Bicarbonate**	103	mg/L as CaCO3	1.0			X451184	MWD	12/20/24 22:34	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X451184	MWD	12/20/24 22:34	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X451184	MWD	12/20/24 22:34	
SM 2540 C	**Total Diss. Solids**	1080	mg/L	10			X451127	TJL	12/20/24 12:55	
SM 2540 D	**Total Susp. Solids**	16.0	mg/L	5.0			X451128	TJL	12/20/24 13:55	
SM 4500 H B	**pH @19.3°C**	7.5	pH Units				X451184	MWD	12/20/24 22:34	H5

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

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0289**
Reported: 03-Jan-25 13:43

Client Sample ID: **VIN-2A**
SVL Sample ID: **X4L0289-01 (Ground Water)**

Sampled: 17-Dec-24 09:32
Received: 18-Dec-24
Sampled By: JC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	7.57	mg/L	0.20	0.02		X451114	RS	12/18/24 22:38	
EPA 300.0	**Fluoride**	0.249	mg/L	0.100	0.017		X451114	RS	12/18/24 22:38	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X451114	RS	12/18/24 22:38	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.044		X451114	RS	12/18/24 22:38	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X451114	RS	12/18/24 22:38	
EPA 300.0	**Sulfate as SO4**	656	mg/L	15.0	9.00	50	X451114	RS	12/18/24 22:55	

Cation/Anion Balance and TDS Ratios

Cation Sum: 15.0 meq/L Anion Sum: 15.9 meq/L C/A Balance: -3.13 % Calculated TDS: 1000 TDS/cTDS: 1.08

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

Kristi A. Groth

Kristi A. Groth
Project Manager

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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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: **X4L0289**
Reported: 03-Jan-25 13:43

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	X453022	03-Jan-25	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X453022	03-Jan-25	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X453022	03-Jan-25	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X452020	24-Dec-24	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X452020	24-Dec-24	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X452020	24-Dec-24	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X452020	24-Dec-24	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X452020	24-Dec-24	
EPA 200.7	Calcium	mg/L	0.182	0.069	0.100	X452020	24-Dec-24	B7
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X452020	24-Dec-24	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X452020	24-Dec-24	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X452020	24-Dec-24	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X452020	24-Dec-24	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X452020	24-Dec-24	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X452020	24-Dec-24	
EPA 200.7	Magnesium	mg/L	<0.500	0.090	0.500	X452020	24-Dec-24	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X452020	24-Dec-24	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X452020	24-Dec-24	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X452020	24-Dec-24	
EPA 200.7	Potassium	mg/L	<0.50	0.18	0.50	X452020	24-Dec-24	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X452020	24-Dec-24	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X452020	24-Dec-24	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X452020	24-Dec-24	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X452020	24-Dec-24	
EPA 200.8	Antimony	mg/L	<0.00100	0.00072	0.00100	X452003	30-Dec-24	
EPA 200.8	Arsenic	mg/L	<0.00100	0.00021	0.00100	X452003	30-Dec-24	
EPA 200.8	Selenium	mg/L	<0.00100	0.00024	0.00100	X452003	30-Dec-24	
EPA 200.8	Thallium	mg/L	<0.000200	0.00008	0.000200	X452003	30-Dec-24	
EPA 200.8	Uranium	mg/L	<0.000100	0.000052	0.000100	X452003	30-Dec-24	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X452043	30-Dec-24	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X451165	24-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X451170	24-Dec-24	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X451136	20-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	<0.0050	0.0010	0.0050	X452053	24-Dec-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X453012	30-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X451184	20-Dec-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X451184	20-Dec-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X451184	20-Dec-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X451184	20-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X451127	20-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X451128	20-Dec-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X451114	18-Dec-24	
EPA 300.0	Fluoride	mg/L	<0.100	0.017	0.100	X451114	18-Dec-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X451114	18-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.044	0.100	X451114	18-Dec-24	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X451114	18-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X451114	18-Dec-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0289**
Reported: 03-Jan-25 13:43

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	X453022	03-Jan-25	
EPA 200.7	Magnesium	mg/L	20.2	20.0	101	85 - 115	X453022	03-Jan-25	
EPA 200.7	Potassium	mg/L	20.5	20.0	102	85 - 115	X453022	03-Jan-25	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.990	1.00	99.0	85 - 115	X452020	24-Dec-24	
EPA 200.7	Barium	mg/L	0.967	1.00	96.7	85 - 115	X452020	24-Dec-24	
EPA 200.7	Beryllium	mg/L	0.969	1.00	96.9	85 - 115	X452020	24-Dec-24	
EPA 200.7	Boron	mg/L	0.981	1.00	98.1	85 - 115	X452020	24-Dec-24	
EPA 200.7	Cadmium	mg/L	0.963	1.00	96.3	85 - 115	X452020	24-Dec-24	
EPA 200.7	Calcium	mg/L	19.1	20.0	95.7	85 - 115	X452020	24-Dec-24	B7
EPA 200.7	Chromium	mg/L	0.960	1.00	96.0	85 - 115	X452020	24-Dec-24	
EPA 200.7	Cobalt	mg/L	0.946	1.00	94.6	85 - 115	X452020	24-Dec-24	
EPA 200.7	Copper	mg/L	0.943	1.00	94.3	85 - 115	X452020	24-Dec-24	
EPA 200.7	Iron	mg/L	9.70	10.0	97.0	85 - 115	X452020	24-Dec-24	
EPA 200.7	Lead	mg/L	0.959	1.00	95.9	85 - 115	X452020	24-Dec-24	
EPA 200.7	Lithium	mg/L	0.931	1.00	93.1	85 - 115	X452020	24-Dec-24	
EPA 200.7	Magnesium	mg/L	18.6	20.0	92.9	85 - 115	X452020	24-Dec-24	
EPA 200.7	Manganese	mg/L	0.951	1.00	95.1	85 - 115	X452020	24-Dec-24	
EPA 200.7	Molybdenum	mg/L	0.972	1.00	97.2	85 - 115	X452020	24-Dec-24	
EPA 200.7	Nickel	mg/L	0.933	1.00	93.3	85 - 115	X452020	24-Dec-24	
EPA 200.7	Potassium	mg/L	19.6	20.0	98.1	85 - 115	X452020	24-Dec-24	
EPA 200.7	Silver	mg/L	0.0510	0.0500	102	85 - 115	X452020	24-Dec-24	
EPA 200.7	Sodium	mg/L	18.5	19.0	97.2	85 - 115	X452020	24-Dec-24	
EPA 200.7	Vanadium	mg/L	0.989	1.00	98.9	85 - 115	X452020	24-Dec-24	
EPA 200.7	Zinc	mg/L	0.975	1.00	97.5	85 - 115	X452020	24-Dec-24	
EPA 200.8	Antimony	mg/L	0.0257	0.0250	103	85 - 115	X452003	30-Dec-24	
EPA 200.8	Arsenic	mg/L	0.0238	0.0250	95.4	85 - 115	X452003	30-Dec-24	
EPA 200.8	Selenium	mg/L	0.0224	0.0250	89.7	85 - 115	X452003	30-Dec-24	
EPA 200.8	Thallium	mg/L	0.0262	0.0250	105	85 - 115	X452003	30-Dec-24	
EPA 200.8	Uranium	mg/L	0.0264	0.0250	106	85 - 115	X452003	30-Dec-24	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00194	0.00200	97.2	85 - 115	X452043	30-Dec-24	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	0.100	102	90 - 110	X451165	24-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	0.0984	0.100	98.4	90 - 110	X451170	24-Dec-24	
EPA 350.1	Ammonia as N	mg/L	1.09	1.00	109	90 - 110	X451136	20-Dec-24	
OIA 1677	Cyanide (WAD)	mg/L	0.103	0.100	103	90 - 110	X452053	24-Dec-24	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	718	706	102	95.4 - 104	X453012	30-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.2	9.93	103	96.4 - 105	X451184	20-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	96.4 - 105	X451184	20-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	414	397	104	96.4 - 105	X451184	20-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X451128	20-Dec-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.2	90 - 110	X451114	18-Dec-24	
EPA 300.0	Fluoride	mg/L	2.02	2.00	101	90 - 110	X451114	18-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.94	2.00	96.8	90 - 110	X451114	18-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.47	4.50	99.4	90 - 110	X451114	18-Dec-24	
EPA 300.0	Nitrite as N	mg/L	2.54	2.50	102	90 - 110	X451114	18-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	10.1	10.0	101	90 - 110	X451114	18-Dec-24	

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Project Name: Cripple Creek/Victor Water and Soil 2024
Work Order: **X4L0289**
Reported: 03-Jan-25 13:43

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	12100	12100	0.1	20	X453012 - X4L0253-01	30-Dec-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	107	112	4.4	20	X451184 - X4L0217-02	20-Dec-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	107	112	4.4	20	X451184 - X4L0217-02	20-Dec-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X451184 - X4L0217-02	20-Dec-24	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X451184 - X4L0217-02	20-Dec-24	
SM 2540 C	Total Diss. Solids	mg/L	1070	1080	0.7	10	X451127 - X4L0289-01	20-Dec-24	
SM 2540 D	Total Susp. Solids	mg/L	16.0	16.0	0.0	10	X451128 - X4L0289-01	20-Dec-24	
SM 4500 H B	pH @19.2°C	pH Units	7.7	7.8	1.8	20	X451184 - X4L0217-02	20-Dec-24	R2B

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	55.9	34.5	20.0	107	70 - 130	X453022 - X4L0372-02	03-Jan-25	
EPA 200.7	Calcium	mg/L	462	440	20.0	107	70 - 130	X453022 - X4L0287-01	03-Jan-25	D18
EPA 200.7	Magnesium	mg/L	35.1	13.7	20.0	107	70 - 130	X453022 - X4L0372-02	03-Jan-25	
EPA 200.7	Magnesium	mg/L	377	351	20.0	129	70 - 130	X453022 - X4L0287-01	03-Jan-25	D18
EPA 200.7	Potassium	mg/L	30.9	10.3	20.0	103	70 - 130	X453022 - X4L0372-02	03-Jan-25	
EPA 200.7	Potassium	mg/L	30.5	9.83	20.0	103	70 - 130	X453022 - X4L0287-01	03-Jan-25	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	717	709	1.00	0.30R>S	70 - 130	X452020 - X4L0287-01	24-Dec-24	M3
EPA 200.7	Aluminum	mg/L	1.03	<0.080	1.00	103	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Barium	mg/L	0.934	0.0194	1.00	91.4	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Barium	mg/L	1.02	0.0494	1.00	96.6	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Beryllium	mg/L	1.70	0.706	1.00	99.0	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Beryllium	mg/L	0.976	<0.00200	1.00	97.6	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Boron	mg/L	1.05	0.0505	1.00	99.9	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Boron	mg/L	1.02	<0.0400	1.00	100	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Cadmium	mg/L	2.41	1.49	1.00	91.7	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Cadmium	mg/L	0.959	<0.0020	1.00	95.9	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Calcium	mg/L	452	433	20.0	98.3	70 - 130	X452020 - X4L0287-01	24-Dec-24	B7
EPA 200.7	Calcium	mg/L	115	94.5	20.0	100	70 - 130	X452020 - X4L0311-01	24-Dec-24	B7
EPA 200.7	Chromium	mg/L	0.909	<0.0060	1.00	90.9	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Chromium	mg/L	0.966	<0.0060	1.00	96.6	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Cobalt	mg/L	2.11	1.20	1.00	91.0	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Cobalt	mg/L	0.926	<0.0060	1.00	92.6	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Copper	mg/L	3.30	2.25	1.00	104	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Copper	mg/L	0.938	<0.0100	1.00	93.8	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Iron	mg/L	21.4	12.0	10.0	94.4	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Iron	mg/L	9.76	<0.100	10.0	97.6	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Lead	mg/L	1.02	0.0818	1.00	93.8	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Lead	mg/L	0.949	<0.0075	1.00	94.9	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Lithium	mg/L	1.41	0.163	1.00	124	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Lithium	mg/L	0.979	<0.040	1.00	97.9	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Magnesium	mg/L	386	361	20.0	125	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Magnesium	mg/L	45.9	25.5	20.0	102	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Manganese	mg/L	0.956	<0.0080	1.00	95.6	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Manganese	mg/L	242	236	1.00	0.30R>S	70 - 130	X452020 - X4L0287-01	24-Dec-24	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: **X4L0289**
Reported: 03-Jan-25 13:43

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Molybdenum	mg/L	0.920	<0.0080	1.00	92.0	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Molybdenum	mg/L	0.976	<0.0080	1.00	97.6	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Nickel	mg/L	2.97	2.03	1.00	93.3	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Nickel	mg/L	0.891	<0.0100	1.00	89.1	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Potassium	mg/L	29.5	9.41	20.0	100	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Potassium	mg/L	21.9	2.31	20.0	98.0	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Silver	mg/L	0.0350	<0.0050	0.0500	70.0	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Silver	mg/L	0.0530	<0.0050	0.0500	106	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Sodium	mg/L	158	140	19.0	98.7	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Sodium	mg/L	40.0	21.5	19.0	97.3	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Vanadium	mg/L	1.01	0.0218	1.00	98.5	70 - 130	X452020 - X4L0287-01	24-Dec-24	
EPA 200.7	Vanadium	mg/L	1.00	<0.0050	1.00	100	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.7	Zinc	mg/L	37.5	36.2	1.00	0.30R>S	70 - 130	X452020 - X4L0287-01	24-Dec-24	M3
EPA 200.7	Zinc	mg/L	0.987	<0.0100	1.00	98.7	70 - 130	X452020 - X4L0311-01	24-Dec-24	
EPA 200.8	Antimony	mg/L	0.0297	0.00225	0.0250	110	70 - 130	X452003 - X4L0278-01	30-Dec-24	
EPA 200.8	Antimony	mg/L	0.0237	<0.00100	0.0250	94.8	70 - 130	X452003 - X4L0287-01	30-Dec-24	
EPA 200.8	Arsenic	mg/L	0.0310	0.00312	0.0250	111	70 - 130	X452003 - X4L0278-01	30-Dec-24	
EPA 200.8	Arsenic	mg/L	0.269	0.241	0.0250	112	70 - 130	X452003 - X4L0287-01	30-Dec-24	
EPA 200.8	Selenium	mg/L	0.0274	<0.00100	0.0250	110	70 - 130	X452003 - X4L0278-01	30-Dec-24	
EPA 200.8	Selenium	mg/L	0.0530	0.0280	0.0250	100	70 - 130	X452003 - X4L0287-01	30-Dec-24	
EPA 200.8	Thallium	mg/L	0.0267	<0.000200	0.0250	107	70 - 130	X452003 - X4L0278-01	30-Dec-24	
EPA 200.8	Thallium	mg/L	0.0267	<0.00100	0.0250	107	70 - 130	X452003 - X4L0287-01	30-Dec-24	D17
EPA 200.8	Uranium	mg/L	0.0335	0.00474	0.0250	115	70 - 130	X452003 - X4L0278-01	30-Dec-24	
EPA 200.8	Uranium	mg/L	2.86	2.90	0.0250	0.30R>S	70 - 130	X452003 - X4L0287-01	31-Dec-24	M4
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00203	<0.000200	0.00200	101	70 - 130	X452043 - X4L0217-01	30-Dec-24	
EPA 245.1	Mercury	mg/L	0.00203	<0.000200	0.00200	102	70 - 130	X452043 - X4L0287-01	30-Dec-24	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0830	<0.0050	0.100	83.0	79 - 121	X451165 - X4L0165-01	24-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	0.104	<0.0050	0.100	104	90 - 110	X451170 - X4L0287-01	24-Dec-24	
EPA 335.4	Cyanide (total)	mg/L	0.106	<0.0050	0.100	102	90 - 110	X451170 - X4L0253-01	24-Dec-24	
EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X451136 - X4L0222-03	20-Dec-24	
EPA 350.1	Ammonia as N	mg/L	1.18	<0.030	1.00	118	90 - 110	X451136 - X4L0222-02	20-Dec-24	M1
OIA 1677	Cyanide (WAD)	mg/L	0.0960	<0.0050	0.100	95.0	82 - 118	X452053 - X4L0287-01	24-Dec-24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	22.0	19.5	3.00	0.30R>S	90 - 110	X451114 - X4L0279-01	18-Dec-24	M4
EPA 300.0	Chloride	mg/L	3.65	0.65	3.00	100	90 - 110	X451114 - X4L0281-01	18-Dec-24	
EPA 300.0	Fluoride	mg/L	2.08	<0.100	2.00	100	90 - 110	X451114 - X4L0279-01	18-Dec-24	
EPA 300.0	Fluoride	mg/L	2.12	0.118	2.00	100	90 - 110	X451114 - X4L0281-01	18-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.95	<0.050	2.00	97.5	90 - 110	X451114 - X4L0279-01	18-Dec-24	
EPA 300.0	Nitrate as N	mg/L	1.96	<0.050	2.00	97.8	90 - 110	X451114 - X4L0281-01	18-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.94	<0.100	4.00	98.6	90 - 110	X451114 - X4L0279-01	18-Dec-24	
EPA 300.0	Nitrate+Nitrite as N	mg/L	3.98	<0.100	4.00	99.5	90 - 110	X451114 - X4L0281-01	18-Dec-24	
EPA 300.0	Nitrite as N	mg/L	1.99	<0.050	2.00	99.7	90 - 110	X451114 - X4L0279-01	18-Dec-24	
EPA 300.0	Nitrite as N	mg/L	2.02	<0.050	2.00	101	90 - 110	X451114 - X4L0281-01	18-Dec-24	
EPA 300.0	Sulfate as SO4	mg/L	67.8	59.0	10.0	0.30R>S	90 - 110	X451114 - X4L0279-01	18-Dec-24	M4
EPA 300.0	Sulfate as SO4	mg/L	11.8	1.76	10.0	100	90 - 110	X451114 - X4L0281-01	18-Dec-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: **X4L0289**
Reported: 03-Jan-25 13:43

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	460	462	20.0	0.4	20	97	X453022 - X4L0287-01	D18
EPA 200.7	Magnesium	mg/L	372	377	20.0	1.4	20	103	X453022 - X4L0287-01	D18
EPA 200.7	Potassium	mg/L	30.0	30.5	20.0	1.5	20	101	X453022 - X4L0287-01	D18
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	715	717	1.00	0.3	20	0.30R>S	X452020 - X4L0287-01	M3
EPA 200.7	Barium	mg/L	0.939	0.934	1.00	0.6	20	92.0	X452020 - X4L0287-01	
EPA 200.7	Beryllium	mg/L	1.69	1.70	1.00	0.1	20	98.8	X452020 - X4L0287-01	
EPA 200.7	Boron	mg/L	1.05	1.05	1.00	0.2	20	100	X452020 - X4L0287-01	
EPA 200.7	Cadmium	mg/L	2.38	2.41	1.00	1.2	20	88.7	X452020 - X4L0287-01	
EPA 200.7	Calcium	mg/L	451	452	20.0	0.4	20	89.7	X452020 - X4L0287-01	B7
EPA 200.7	Chromium	mg/L	0.909	0.909	1.00	0.1	20	90.9	X452020 - X4L0287-01	
EPA 200.7	Cobalt	mg/L	2.09	2.11	1.00	1.0	20	88.8	X452020 - X4L0287-01	
EPA 200.7	Copper	mg/L	3.32	3.30	1.00	0.6	20	106	X452020 - X4L0287-01	
EPA 200.7	Iron	mg/L	21.5	21.4	10.0	0.3	20	95.0	X452020 - X4L0287-01	
EPA 200.7	Lead	mg/L	1.00	1.02	1.00	1.9	20	91.9	X452020 - X4L0287-01	
EPA 200.7	Lithium	mg/L	1.41	1.41	1.00	0.2	20	125	X452020 - X4L0287-01	
EPA 200.7	Magnesium	mg/L	385	386	20.0	0.2	20	122	X452020 - X4L0287-01	
EPA 200.7	Manganese	mg/L	243	242	1.00	0.5	20	0.30R>S	X452020 - X4L0287-01	M4
EPA 200.7	Molybdenum	mg/L	0.913	0.920	1.00	0.8	20	91.3	X452020 - X4L0287-01	
EPA 200.7	Nickel	mg/L	2.92	2.97	1.00	1.4	20	89.1	X452020 - X4L0287-01	
EPA 200.7	Potassium	mg/L	29.5	29.5	20.0	0.1	20	100	X452020 - X4L0287-01	
EPA 200.7	Silver	mg/L	0.0363	0.0350	0.0500	3.7	20	72.6	X452020 - X4L0287-01	
EPA 200.7	Sodium	mg/L	159	158	19.0	0.1	20	99.7	X452020 - X4L0287-01	
EPA 200.7	Vanadium	mg/L	1.01	1.01	1.00	0.8	20	99.3	X452020 - X4L0287-01	
EPA 200.7	Zinc	mg/L	37.1	37.5	1.00	0.9	20	97.4	X452020 - X4L0287-01	
EPA 200.8	Antimony	mg/L	0.0286	0.0297	0.0250	3.8	20	105	X452003 - X4L0278-01	
EPA 200.8	Arsenic	mg/L	0.0294	0.0310	0.0250	5.3	20	105	X452003 - X4L0278-01	
EPA 200.8	Selenium	mg/L	0.0263	0.0274	0.0250	4.2	20	105	X452003 - X4L0278-01	
EPA 200.8	Thallium	mg/L	0.0256	0.0267	0.0250	4.1	20	102	X452003 - X4L0278-01	
EPA 200.8	Uranium	mg/L	0.0319	0.0335	0.0250	4.7	20	109	X452003 - X4L0278-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00202	0.00203	0.00200	0.2	20	101	X452043 - X4L0217-01	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.0840	0.0830	0.100	1.2	11	84.0	X451165 - X4L0165-01	
EPA 335.4	Cyanide (total)	mg/L	0.104	0.104	0.100	0.6	20	104	X451170 - X4L0287-01	
EPA 350.1	Ammonia as N	mg/L	1.00	1.01	1.00	1.0	20	100	X451136 - X4L0222-03	
OIA 1677	Cyanide (WAD)	mg/L	0.100	0.0960	0.100	4.1	11	99.0	X452053 - X4L0287-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.67	3.65	3.00	0.6	20	101	X451114 - X4L0281-01	
EPA 300.0	Fluoride	mg/L	2.14	2.12	2.00	0.7	20	101	X451114 - X4L0281-01	
EPA 300.0	Nitrate as N	mg/L	1.97	1.96	2.00	0.7	20	98.5	X451114 - X4L0281-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.01	3.98	4.00	0.7	20	100	X451114 - X4L0281-01	
EPA 300.0	Nitrite as N	mg/L	2.04	2.02	2.00	0.7	20	102	X451114 - X4L0281-01	
EPA 300.0	Sulfate as SO4	mg/L	11.9	11.8	10.0	0.6	20	101	X451114 - X4L0281-01	

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2024**
Post Office Box 191	Work Order: **X4L0289**
Victor, CO 80860	Reported: 03-Jan-25 13:43

Notes and Definitions

B7	Target analyte detected in method blank at or above method limit. Concentration found in the sample was 10 times above the concentration found in the method blank.
D17	Due to an internal standard failure at a lower dilution, a sample dilution was performed.
D18	Due to a published chemical interference, a sample dilution was performed.
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.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
Q24	COC was not relinquished by the client or an agent of the client.
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
NORTH AMERICA

Cripple Creek & Victor
Gold Mining Company
100 North 3rd Street
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Victor, Colorado 80860

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Attachment 2

Field Sheets

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Aregua Gultch **Date:** 10/10/24

Technician: J. Crawford **Quarter:** 4

Static Water Level (DTW): ~~24.09~~ 26.09 **Well ID:** CRMW-34

Is well Dry? no **If so Dry at:** — **Well Depth (TD):** 35 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:20			6.64	3408	8.1	12.21	153.7	
11:25	27.21	1.12	6.71	~~3392~~ 3392	8.0	9.92	151.1	
11:30	27.20	0.01	6.72	3396	8.0	8.98	157.7	0.84/m
11:35	27.20	0.00	6.73	3394	8.0	8.48	164.7	
11:40	27.20	0.00	6.72	3401	8.1	8.12	170.2	
11:45	27.20	0.00	6.72	3398	8.1	8.02	172.8	
		Total Drawdown 1.13						

Sample Method: low-flow **Rate (gpm):** 0.21 **Time Start:** 11:20 **Time End:** 11:45

* Flow rate at stabilization (during sample collection)

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.72	±0.1	(Y) / N	
Conductivity	~~3398~~	3%	(Y) / N	
Temp (deg C)	8.1	3%	(Y) / N	
Dissolved Oxyger	8.02	10%	Y / N	
Turbidity		~~10%~~	~~Y / N~~	
Oxidation/Reduction Potential	172.8	±10	(Y) / N	
DTW Stabilized	27.20	feet	(Y) / N	
Final H2O level	27.20	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N If yes, required pump vol (gal): 1.78 Actual vol. pumped (gal) ~5

* See Field Volume Guide following stabilization

O/G visible: Y / (N)

Turbid? Y / (N)

Equipment Decontaminated: (Y) / N

Decontamination procedure used: Tripple rinse, Liquid-Ionox

Weather: 54°F, Sunny,

Signature:

Volume Calculations:

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

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

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

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

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

Show Calculations:
1.13 + 0.65 = 1.78
use 5 gal bucket

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Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Arequa Gulch **Date:** 10/10/24

Technician: T. Reed **Quarter:** 4

Static Water Level (DTW): — **Well ID:** CRmw-3B

Is well Dry? no **If so Dry at:** — **Well Depth (TD):** 63 **feet**

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:54			6.40	2138	33.0		270	

Sample Method: Grab **Rate (gpm):** — **Time Start:** 10:54 **Time End:** 10:54
** Flow rate at stabilization (during sample collection)*

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

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

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

Decontamination procedure used: n/a

Weather: 54°F, Sunny

Signature:

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

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Groundwater Sampling Log

Location : Arequa Gulch **Date:** 10/10/24

Technician: T. Reed **Quarter:** 4

Static Water Level (DTW): _____ **Well ID:** CRMW 3C

Well Depth (TD): 124

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
10:58			6.50	1875	18.0		130	

Sample Method: Grab **Rate (gpm):** — **Time Start:** 10:58 **Time End:** 10:58

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

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

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

** See Field Volume Guide* following stabilization

O/G visible: Y / (N)

Turbid? ~~Y / (N)~~

Equipment Decontaminated: ~~Y / N~~

Decontamination procedure used: N/a

Weather: 54°, 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:**

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Groundwater Sampling Log

Location: Arequa Gulch
Technician: J. Crawford
Static Water Level (DTW): 203.5
Date: 10/8/24
Quarter: 4
Well ID: CRMW-5A
Well Depth (TD): 205 feet
Is well Dry? no
If so Dry at: ____ feet

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

INSufficient
NO Sample

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

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

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

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

Weather: 60° F, Sunny
Signature: [signature]

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

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

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Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Arequa Gulch
Date: 10/8/24
Technician: J. Crawford
Quarter: 4
Static Water Level (DTW): 29.85
Well ID: ~~143~~ CRMW-5B
Is well Dry? no
If so Dry at: —
Well Depth (TD): 143 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1:30			7.28	548.4	3.5	38.66	185.5	
1:35	29.90	0.05	7.39	547.1	4.9	30.91	182.2	
1:40	29.92	0.02	7.46	656.5	4.8	23.59	153.1	0.40 L/m
1:45	29.93	0.01	7.58	681.1	4.7	22.57	141.4	
1:50	29.93	0.00	7.63	623.2	4.9	21.93	141.7	
1:55	29.93	0.00	7.66	567.8	5.1	20.97	144.6	
2:00	29.93	0.00	7.69	538.6	5.1	20.96	147.0	
2:05	29.93	0.00	7.71	516.0	5.2	19.98	147.8	
2:10	29.93	0.00	7.72	519.9	5.2	18.64	147.8	
		Total Drawdown						
		0.08						

Sample Method: Low-flow
Rate (gpm): 0.10 * Flow rate at stabilization (during sample collection)
Time Start: 1:30 Time End: 2:10

Final Parameter	Stabilization Guidance		Met?	Comments
pH	7.72	±0.1	(Y) / N	
Conductivity	519.9	3%	(Y) / N	
Temp (deg C)	5.2	3%	(Y) / N	
Dissolved Oxygen	18.64	10%	(Y) / N	
~~Turbidity~~	~~—~~	~~10%~~	~~Y / N~~	
Oxidation/Reduction Potential	147.8	±10	(Y) / N	
DTW Stabilized	29.93	feet	(Y) / N	
Final H2O level	29.93	feet		

If Low Flow Met Drawdown greater than 0.33 ft? Y / (N) * See Field Volume Guide
If yes, required pump vol (gal): ____ following stabilization
Actual vol. pumped (gal) ~ 4.75

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

Weather: 64°F, Sunny
Signature:

Volume Calculations:
For 2" Diameter Well (gal): $V(gal) = 0.1632 * h(ft)$ For 4" Diameter Well (gal): $V(gal) = 0.6528 * h(ft)$
Other Diameter Well & Tubing Vol (gal): $V(gal) = 0.1632 * (\tau(in))^2 * h(ft)$
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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Aregnie Gultch
Date: 10/8/24
Technician: J. Crawford
Quarter: 4
Static Water Level (DTW): 29.58
Well ID: CRMW-5C
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 60 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:45			6.92	342.3	4.0	50.66	146.1	
12:50	30.15	0.57	6.82	341.1	4.5	41.76	144.0	
12:55	30.20	0.05	~~6.81~~ 6.81	339.0	4.5	33.98	143.6	0.65 L/m
1:00	30.20	0.00	6.74	337.3	4.9	38.70	144.9	
1:05	30.20	0.00	6.74	338.8	4.8	35.59	146.7	
1:10	30.20	0.00	6.72	338.9	4.8	37.04	148.2	

Total Drawdown
0.62

Sample Method: Low-flow
Rate (gpm): 0.17 * Flow rate at stabilization (during sample collection)
Time Start: 12:45 **Time End:** 1:10

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.72	±0.1	(Y) / N	
Conductivity	338.9	3%	(Y) / N	
Temp (deg C)	4.8	3%	(Y) / N	
Dissolved Oxygen	37.04	10%	Y / N	
Turbidity		~~10%~~	~~Y / N~~	
Oxidation/Reduction Potential	148.2	±10	(Y) / N	
DTW Stabilized	30.20	feet	(Y) / N	
Final H2O level	30.20	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: 1.36 ~~3.96~~
Actual vol. pumped (gal) ~4.25

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

Weather: 61°F, Sunny
Signature:

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

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

Show Calculations:
0.62 + 0.34 = 0.96 * 1.4 = 1.36
use 5 gal bucket

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Arequa Gulch
Technician: J. Cranford
Static Water Level (DTW): 19.85
Date: 10/8/24
Quarter: 4
Well ID: CRMW-50
Is well Dry? no
If so Dry at: —
Well Depth (TD): 27 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:03			6.43	1719	10.6	61.33	65.1	
12:08	20.01	0.16	6.55	512.6	10.4	49.58	58.0	
12:13	20.10	0.09	6.55	348.7	10.5	55.66	71.9	0.41 L/m
12:18	20.14	0.04	6.54	330.6	11.0	48.36	92.0	
12:23	20.15	0.01	6.53	321.1	10.9	47.99	101.5	
12:28	20.15	0.00	6.53	318.6	10.9	47.76	106.7	
12:33	20.15	0.00	6.54	315.2	10.9	46.60	111.3	
		Total drawdown						
		0.30						

Sample Method: Low-flow
Rate (gpm): 0.10 * Flow rate at stabilization (during sample collection)
Time Start: 12:03 Time End: 12:33

Final Parameter	Stabilization Guidance		Met?	Comments
pH	6.54	±0.1	(Y) / N	
Conductivity	315.2	3%	(Y) / N	
Temp (deg C)	10.9	3%	(Y) / N	
Dissolved Oxyge	46.60	10%	(Y) / N	
Turbidity	~~—~~	~~10%~~	~~Y / N~~	
Oxidation/Reduction Potential	111.3	±10	(Y) / N	
DTW Stabilized	20.15	feet	(Y) / N	
Final H2O level	20.15	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) ~3

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

Weather: 61°F, Sunny
Signature:

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

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

Show Calculations:
Use 5 gal bucket

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Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Arequa Gulch
Date: 12/3/24 - 12/4/24
Technician: J. Cranford
Quarter: 4
Static Water Level (DTW): 198.0
Well ID: ESPMW-1
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 220 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
11:38			7.14	470.1	7.01		220.0	
11:41	200.90							
10:41	199.55		7.05	460.4	7.5		-16	

Sample Method: Purge & return **Rate (gpm):** — **Time Start:** 12/3/24 11:38 **Time End:** 12/4/24 10:41
** Flow rate at stabilization (during sample collection)*

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

If Low Flow Met Drawdown greater than 0.33 ft? ~~Y~~ / ~~N~~ If yes, required pump vol (gal): — 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: Dedicated Pump

Weather: 40°, 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:** Purge & return

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Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Poverty Gulch
Technician: J. Crawford
Static Water Level (DTW): —
Date: 12-3-4
Quarter: 4
Well ID: PGmw-2
Well Depth (TD): 218 feet
Is well Dry? Yes
If so Dry at: 218

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

DRY

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

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

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

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

Decontamination procedure used:

Weather: 30°, 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:

PGmw-2 is DRY

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Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Poverty Gulch **Date:** 12/3/24 – 12/4/24

Technician: S. Crawford **Quarter:** 4

Static Water Level (DTW): 50.a **Well ID:** PGMW-3

Is well Dry? no **If so Dry at:** — **Well Depth (TD):** 56 **feet**

	Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12/3	1:25			4.92	1161	6.9	—	39.0	
	1:29	52.46	—						
12/4	10:04	51.03		4.80	1162	8.5	—	58	

Sample Method: Purge & return **Rate (gpm):** — **Time Start:** 12/3/24 1:25 **Time End:** 12/4/24 10:04

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

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

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

** See Field Volume Guide*

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

Decontamination procedure used: Tripple rinse Liquid-Ionic

Weather: 43°, Sunny

Signature:

Volume Calculations:

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

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

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

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

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

Show Calculations:

Purge & return

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Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Poverty Gulch
Date: 12/3/24
Technician: J. Crawford
Quarter: 4
Static Water Level (DTW): —
Well ID: PGMW-4
Is well Dry? Yes
If so Dry at: 39.3
Well Depth (TD): 39.3 feet

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

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

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

Weather: 30°, Sunny
Signature: [signature]

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

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Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Poverty Gulch
Technician: J. Crumpton
Static Water Level (DTW): 31.31
Is well Dry? no
If so Dry at: —
Date: 12/3/24
Quarter: 4
Well ID: PGMW-5
Well Depth (TD): 51 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
12:23			3.75	2304	2.2	10.33	238.5	
12:28	31.67	0.36	3.77	1666	2.9	9.69	225.4	
12:33	31.67	0.00	3.76	1579	3.0	9.10	230.3	0.53 L/m
12:38	32.11	0.43	3.77	1464	2.8	8.83	240.6	
12:43	32.32	0.21	3.70	1457	2.7	8.85	251.8	
12:48	32.44	0.12	3.69	1465	2.7	8.75	259.4	
12:53	32.50	0.06	3.74	1469	2.8	8.70	2[illegible]0	
12:58	32.54	0.04	3.75	1[illegible]87	2.8	8.61	2[illegible]0	
1:03	32.54	0.00	3.76	1466	2.7	8.76	287.6	
		Total Drawdown						
		1.22						

Sample Method: low-flow
Rate (gpm): 0.14 * Flow rate at stabilization (during sample collection)
Time Start: 12:03 **Time End:** 1:03

Final Parameters	Stabilization Guidance		Met?	Comments
pH	3.76	±0.1	(Y) / N	
Conductivity	# 1466	3%	(Y) / N	
Temp (deg C)	3.7	3%	(Y) / N	
Dissolved Oxygen	8.76	10%	Y / N	
~~Turbidity~~		~~10%~~	~~Y / N~~	
Oxidation/Reduction	287.6	±10	(Y) / N	
DTW Stabilized	32.54	feet	(Y) / N	
Final H2O level	32.54	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: 2.26
Actual vol. pumped (gal): ~6.25

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

Weather: 42°, 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:
1.22 * .24 + .75
use 5 gal bucket

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Maize Gulch
Technician: J. Crumpton
Static Water Level (DTW): —
Date: 12/3/24
Quarter: 4
Well ID: SGmw-5
Well Depth (TD): 256 feet
Is well Dry? Yes
If so Dry at: 256

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

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

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

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

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

Decontamination procedure used:

Weather: 30°, 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:
SGmw-5 is DRY

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Maize Gulch
Date: 12/3/24
Technician: J. Crawford
Quarter: 4
Static Water Level (DTW): —
Well ID: SGmw-6A
Is well Dry? Yes
If so Dry at: 400
Well Depth (TD): 400 feet

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

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

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

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

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

Decontamination procedure used:

Weather: 30°, 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:
SGmw-6A is Dry

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : ~~Golden Gate~~ Maize Gulch
Date: 12/3/24
Technician: S. Crawford
Quarter: 4
Static Water Level (DTW): 24.32
Well ID: SGMW-6B
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 60 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
8:45			5.96	3244	1.4	6.54	162.7	
8:50	24.81	0.49	6.05	2914	2.0	4.57	130.4	
8:55	24.92	0.11	6.06	2896	1.9	4.26	111.1	0.17 L/m
9:00	24.98	0.06	6.05	2865	2.0	4.48	107.8	
9:05	25.05	0.07	6.05	2920	2.0	4.69	104.9	
9:10	25.12	0.07	6.04	2918	1.9	5.10	103.1	
9:15	25.16	0.04	6.03	2927	2.0	5.37	101.5	
9:20	25.23	0.07	6.04	2926	2.0	5.38	100.0	
9:25	25.28	0.05	6.04	2923	2.1	5.51	99.7	
9:30	25.34	0.06	6.03	2905	2.1	5.64	97.1	
9:35	25.38	0.04	6.03	2909	2.1	5.87	95.5	
9:40	25.42	0.04	6.03	2893	2.1	5.95	94.7	
9:45	25.42	0.00	6.03	2865	2.1	6.15	94.0	
	Total Drawdown	1.1						

Sample Method: low-flow
Rate (gpm): 0.04 ** Flow rate at stabilization (during sample collection)*
Time Start: 8:45 **Time End:** 9:45

Final Parameters	Stabilization Guidance		Met?	Comments
pH	6.03	±0.1	(Y) / N	
Conductivity	2865	3%	(Y) / N	
Temp (deg C)	2.1	3%	(Y) / N	
Dissolved Oxyger	6.15	10%	Y / N	
~~Turbidity~~		10%	Y / N	
Oxidation/Reduction	94.0	±10	(Y) / N	
DTW Stabilized	25.42	feet	(Y) / (N)	
Final H2O level	25.42	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: 2.50
Actual vol. pumped (gal): 2.75

O/G visible: Y / (N)
Turbid? (Y) / N
Equipment Decontaminated: (Y) / N
Decontamination procedure used: ~~triple rinse, Liquinox~~ dedicated Pump
Weather: 26° F, Sunny
Signature:

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

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

Show Calculations:
1.1 + 1.4 = 2.5
use 5 gal bucket

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Maize Gulch
Technician: J. Crawford
Static Water Level (DTW): —
Date: 12/3/24
Quarter: 4
Well ID: SGMW-7A
Well Depth (TD): 404.8 feet
Is well Dry? Yes
If so Dry at: 404.8

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

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

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

Weather: 30° 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:
SGMW-7A is DRY

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Maize Gulch
Technician: J. Crawford
Static Water Level (DTW): —
Is well Dry? Yes
If so Dry at: 58.6 feet

Date: 12/3/24
Quarter: 4
Well ID: SGMW-7B
Well Depth (TD): 60

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

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

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

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

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

Decontamination procedure used:

Weather: 30°, 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:
SGMW-7B is Dry / insufficient

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Maize Gulch
Technician: J. Crawford
Static Water Level (DTW): 716.3
Date: 12/3/24
Quarter: 4
Well ID: ~~PGMW~~ SGMW-4
Well Depth (TD): 219
Is well Dry? no
If so Dry at: —
feet

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

Insufficient

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

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

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

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

Weather: 26°, 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:** Used sounder.

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Vindicator Valley
Date: 12/17/21
Technician: T. Reed
Quarter: 4
Static Water Level (DTW): 253.69
Well ID: VIN-24
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 270 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:07			7.86	1294	7.0	—	260	
9:12	253.91	0.22	7.66	1299	5.8	—	133	
9:17	254.24	0.33	7.73	1299	4.9	—	36	0.22 L/m
9:22	254.24	0.00	7.76	1245	5.3	—	20	
9:27	254.24	0.00	7.76	1297	5.3	—	29	
9:32	254.24	0.00	7.77	1300	5.4	—	27	

Total Drawdown
0.55

Sample Method: Low Flow
Rate (gpm): 0.05 * Flow rate at stabilization (during sample collection)
Time Start: 9:07
Time End: 9:32

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.77	±0.1	(Y) / N	
Conductivity	1300	3%	(Y) / N	
Temp (deg C)	5.4	3%	(Y) / N	
~~Dissolved Oxygen~~		~~10%~~	~~Y / N~~	
~~Turbidity~~		~~10%~~	~~Y / N~~	
Oxidation/Reduction	27	±10	(Y) / N	
DTW Stabilized	254.24	feet	(Y) / N	
Final H2O level	254.24	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: 2.46
Actual vol. pumped (gal) ~~2.5~~ 2.5gal

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

Weather: 330 Sunny
Signature:

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

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

Show Calculations:
0.55 + 1.55 + 0.3 = 2.46
Use 5gal Bucket

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Vindicator Valley
Technician: J. Crawford
Static Water Level (DTW): 86.92
Date: 12/3/24 — 12/4/24
Quarter: 4
Well ID: VIW-2B
Well Depth (TD): 140 feet
Is well Dry? —
If so Dry at: —

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
1:55			6.58	1324	7.1		198	
12/3								
2:05	137.30							
12/4								
12:57	88.58		7.62	1318	7.4		210	

Sample Method: Purge & return
Rate (gpm): —
* Flow rate at stabilization (during sample collection)
Time Start: 12/3/24 2:05
Time End: 12/4/24 12:57

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

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

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

Weather: 44°, 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:
Purge & return

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Wilson Creek
Date: 10/8/24
Technician: J. Cranford
Quarter: 4
Static Water Level (DTW): 62.03
Well ID: WCMW-3
Is well Dry? no
If so Dry at: — feet
Well Depth (TD): 134

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:30			7.35	1604	5.5	35.61	24.1	
10:35	62.80	0.57	7.73	799.1	5.2	25.05	-45.0	
10:40	62.80	0.00	7.75	795.0	5.3	21.47	-57.5	0.37 L/m
10:45	62.84	0.04	7.77	791.1	5.3	20.59	-61.5	
10:50	62.84	0.00	7.79	788.6	5.3	18.66	-63.4	
10:55	62.84	0.00	7.78	789.7	5.3	18.58	-63.6	
	Total Drawdown							
	0.61							

Sample Method: Low-flow
Rate (gpm): 0.09 * Flow rate at stabilization (during sample collection)
Time Start: 10:30 Time End: 10:55

Final Parameter	Stabilization Guidance		Met?	Comments
pH	7.78	±0.1	(Y) / N	
Conductivity	789.7	3%	(Y) / N	
Temp (deg C)	5.3	3%	(Y) / N	
Dissolved Oxygen	18.58	10%	(Y) / N	
Turbidity	~~—~~	~~10%~~	~~Y / N~~	
Oxidation/Reduction Potential	-63.6	±10	(Y) / N	
DTW Stabilized	62.84	feet	(Y) / N	
Final H2O level	62.84	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: 1.76 Actual vol. pumped (gal): ~3

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

Weather: 56°F, Sunny
Signature:

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

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

Show Calculations:
0.61 + 0.77 = 1.38 + .4 = 1.78
use 5 gal bucket

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Wilson Creek
Date: 10/8/24
Technician: J. Crawford
Quarter: 4
Static Water Level (DTW): 6.55
Well ID: WCMW-6
Is well Dry? NO
If so Dry at: —
Well Depth (TD): 234 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
9:00			7.06	1175	6.3	43.17	-56.2	
9:05	6.70	0.15	7.12	781	6.7	32.91	-113.2	
9:10	6.82	0.12	7.11	696.3	5.7	29.09	-121.8	0.19 L/m
9:15	7.05	0.23	7.10	702.4	5.7	28.55	-125.6	
9:20	7.10	0.05	7.14	698.9	5.7	24.47	-128.1	
9:25	7.05	0.05	7.14	695.7	5.7	22.14	-130.2	
9:30	7.15	0.00	7.15	683.7	5.7	23.18	-131.3	
	Total drawdown							
	0.70							

Sample Method: Low-flow
Rate (gpm): 0.05 * Flow rate at stabilization (during sample collection)
Time Start: 9:00 Time End: 9:30

Final Parameters	Stabilization Guidance		Met?	Comments
pH	7.15	±0.1	(Y) / N	
Conductivity	683.7	3%	(Y) / N	
Temp (deg C)	5.7	3%	(Y) / N	
Dissolved Oxygen	23.18	10%	(Y) / N	
Turbidity		~~10%~~	~~Y / N~~	
Oxidation/Reduction Potential	-131.3	±10	(Y) N	
DTW Stabilized	7.15	feet	(Y) / N	
Final H2O level	7.15	feet		

If Low Flow Met Drawdown greater than 0.33 ft? (Y) / N
If yes, required pump vol (gal) following stabilization: 2.54 Actual vol. pumped (gal): ~2.5
* See Field Volume Guide

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

Weather: 51°F, Sunny
Signature:

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

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

Show Calculations:
0.70 x 1.34 = 2.04 + .5 = 2.54
use 5 gal bucket

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

Location: AG-2.0 **Date:** 10/8/24

Technician: J. Cranford **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
11:38	6.18	165.5	9.0	276	—

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) N]

Weather: 60° F, Sunny

Signature:

Comments / Notes:

25 gpm

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: T-2 **Date:** 12/3/24

Technician: J. Reed **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:21				

Sample Method:

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

Turbid ~~[Y / N]~~

Clear ~~[Y / N]~~

Weather: 38° Sunny

Signature:

Comments / Notes:

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: WCMW-01 **Date:** 10/8/24

Technician: J. Crawford **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
9:05		Dry			

Sample Method:

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 51° F, Sunny

Signature:

Comments / Notes:

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: GV-02 **Date:** 10/21/24

Technician: J. Crawford **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
12:53		DRY			

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 50° F, Sunny

Signature:

Comments / Notes:

Dry
no flow

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: GV-03 **Date:** 10/21/24

Technician: J. Crawford **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
12:58		Dry			

Sample Method: —

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

Turbid [Y/~~N~~]

Clear [~~Y~~/N]

Weather: 50° F, Sunny

Signature:

Comments / Notes:

Dry

no - Flow

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: GV-06 **Date:** 10/21/24

Technician: T. Reed **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
1132	6.84	448.4	10.8	95	

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [(Y) / N]

Clear [Y / N]

Weather: 50° Sunny

Signature: [signature]

Comments / Notes:

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: 6V-02 **Date:** 11/18/24

Technician: T. Reed **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:52		Frozen		

Sample Method:

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

Turbid [Y / ~~N~~]

Clear [Y / ~~N~~]

Weather: 30° ~~Sunny~~ Overcast

Signature:

Comments / Notes:

6V02 is frozen. Not able to sample.

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: GV-03 **Date:** 11/18/24

Technician: T. Reed. **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:46		Frozen		

Sample Method:

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

Turbid ~~[Y/N]~~

Clear ~~[Y/N]~~

Weather: 30° Overcast

Signature: T. Reed.

Comments / Notes:

GV-03 is frozen. Not able to sample

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: 6V-06 **Date:** 11/18/24

Technician: T. Reed **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
10:30		Frozen		

Sample Method: —

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

Turbid ~~[Y / N]~~

Clear ~~[Y / N]~~

Weather: 30° overcast

Signature:

Comments / Notes:

6V-06 is ~~Dry~~ Frozen. Not able to sample.

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: GV-02 **Date:** 12/10/24

Technician: J. Reed **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
7:57		Frozen		

Sample Method: —

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

Turbid [Y / ~~N~~]

Clear [Y / ~~N~~]

Weather: 4°

Signature:

Comments / Notes:

GV-02 is frozen

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: 6V-03 **Date:** 12/10/24

Technician: J. Reed **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
8:10	—	Frozen		

Sample Method: —

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

Turbid ~~[Y / N]~~

Clear ~~[Y / N]~~

Weather: 40

Signature:

Comments / Notes:

6V-03 is frozen.

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: 6V-06 **Date:** 12/10/24

Technician: T. Reed **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP
8:20		Frozen		

Sample Method:

Oil/Gas visible [Y / N]

Turbid [Y / N]

Clear [Y / N]

Weather: 30

Signature:

Comments / Notes:

6V-06 is frozen

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: CCVB-1203 **Date:** 12/3/24

Technician: S. Crawford **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
2:30	4.94	8.38	13.4	303	—

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 44°, sunny

Signature: [signature]

Comments / Notes:

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location : Aregun Gulch
Date: 10/10/24
Technician: J. Reed
Quarter: 4
Static Water Level (DTW): ———
Well ID: CRMW-103H
Well Depth (TD): 124 feet
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
10:58			6.50	1875	18.0		130	

Sample Method: Grab **Rate (gpm):** ——— **Time Start:** 10:58 **Time End:** 10:58
** Flow rate at stabilization (during sample collection)*

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

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

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

Decontamination procedure used: N/A

Weather: 54°, Sunny

Signature: [signature]

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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: RB-1006

Date: 10/8/24

Technician: J. Crawford

Quarter: 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
9:44	6.51	5.92	10.8	263	—

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 52° F, Sunny

Signature: JMC

Comments / Notes:

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: RB-1014 **Date:** 10/14/24

Technician: J. Crawford **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
9:37	5.32	10.87	12.6	301	

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y (N)]

Clear [(Y) N]

Weather: 51° F, Sunny

Signature:

Comments / Notes:

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: RB-1118 **Date:** 11/18/24

Technician: J. Crawford **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
11:09	8.35	3.02	1.6	268	—

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 37° Sunny

Signature: [signature]

Comments / Notes:

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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

Location: RB-1203 **Date:** 12/3/24

Technician: T. Reed **Quarter:** 4

Time	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	ORP	Chlorine
2:43	4.92	9.41	12.2	312	—

Sample Method: Grab

Oil/Gas visible [Y / (N)]

Turbid [Y / (N)]

Clear [(Y) / N]

Weather: 45° Sunny

Signature: [signature]

Comments / Notes:

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Newmont Mining Co
Cripple Creek & Victor Gold Mining Co

Groundwater Sampling Log

Location: Wilson Creek
Technician: S. Crawford
Static Water Level (DTW):
Is well Dry? no
If so Dry at:
Date: 10/8/24
Quarter: 4
Well ID: WCMW-103E
Well Depth (TD): 134 feet

Time	Depth to Water (ft)	Drawdown (ft)	pH (S.U.)	Cond. (uS/cm)	Temp. (°C)	DO mg/L	ORP	Notes
10:55			7.78	789.7	5.3	18.58	-63.6	

Sample Method: Low-Flow
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 Potential		±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)
Equipment Decontaminated: (Y) / N
Turbid? Y / (N)
Decontamination procedure used: Tripple rinse, Liquid-Knox

Weather: 56° F, Sunny
Signature:

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

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

Show Calculations:

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Attachment 3

Surface Water Calculations

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

AG 2.0

Sample Date: 10/8/2024

Data for Calculations:		
pH	6.18	std units
Hardness	56.6	mg/L
Temperature	9	Celsius

Regulation 32 (5 CCR 1002-32) COARUA22A Standards			AG2.0 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.0 - 9.0	---	6.18
Temperature (^{o}C)	< 21.7	< 17	9
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	35.652	6.879	<0.030
Boron	---	0.750	<0.0400
Chloride	---	---	11.2
Chlorine	0.019	0.011	--
Cyanide (Free)	0.005	---	<0.0050
Nitrate	100.000	---	<0.050
Nitrite	---	0.050	<0.050
Sulfide	---	0.002	*
Sulfate	---	---	28.5
Phosporus	---	0.110	<0.050
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Aluminum	11.00000	11.00000	<0.080
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.10000	<0.00100
Cadmium	0.00105	0.00047	<0.000100
Chromium (III)	0.35748	0.04650	*
Chromium (III) (T)	---	0.10000	*
Hexavalent Chromium	0.01600	0.01100	*
Copper	0.00786	0.00551	0.00041
Iron (T)	---	1.00000	0.146
Lead	0.03457	0.00135	<0.00020
Manganese	5.90300	3.67400	0.0086
Mercury (T)	---	0.00001	*
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.28930	0.03213	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00076	0.00012	<0.00008
Uranium	0.01680	0.01680	0.000127
Zinc	3.50000	0.60000	<0.0100

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

- Invalid results, past regulatory hold time

* - not analyzed during this monitoring period

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

GV-06

Sample Date: 10/21/2024

Data for Calculations:		
pH	6.84	std units
Hardness	190	mg/L
Temperature	10.8	Celsius

Regulation 32 (5 CCR 1002-32) COARUA24 Standards			GV-06 Results
Physical	**Acute**	**Chronic**	**Physical**
pH (std. units)	6.5 - 9.0	---	6.84
Temperature (^{o}C)	< 21.7	< 17	10.8
Inorganic	**Acute (mg/L)**	**Chronic (mg/L)**	**Inorganic**
Ammonia	6.228	27.308	<0.030
Boron	0.750	---	<0.0400
Chloride	250.000	---	11
Chlorine	0.011	0.019	--
Cyanide (Free)	---	0.005	<0.0050
Nitrate	---	10.000	0.175
Nitrite	0.050	---	<0.050
Sulfide	0.002	---	<0.050
Sulfate	250.000	---	136
Phosporus	0.110	---	**0.26**
Metals	**Acute (mg/L)**	**Chronic (mg/L)**	**Metals**
Arsenic	0.34000	---	<0.00100
Arsenic (T)	---	0.00300	<0.00200
Cadmium	0.00327	0.00116	<0.000100
Cadmium (T)	0.00500	---	<0.000200
Chromium (III)	---	0.12538	<0.00600
Chromium (III) (T)	0.05000	---	<0.0110
Hexavalent Chromium	0.01600	0.01100	<0.0050
Copper	0.02460	0.01550	<0.00040
Iron	---	0.30000	0.243
Iron (T)	---	1.00000	**8.23**
Lead	0.12892	0.00502	<0.00020
Lead (T)	0.05000	---	0.00447
Manganese	3.69739	2.04281	1.14
Mercury (T)	---	0.00001	0.0000027
Molybdenum (T)	---	0.15000	<0.0080
Nickel	0.80592	0.08951	<0.0100
Nickel (T)	---	0.10000	<0.0100
Selenium	0.01840	0.00460	<0.00100
Silver	0.00612	0.00023	<0.00008
Uranium	0.01680	0.01680	0.00126
Zinc	0.28683	0.21725	<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

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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Attachment 4

RPD Calculations

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Relative Percent Difference Calculations:

The Division has requested that relative percent difference calculations be completed for duplicate samples collected within the same quarter. In the fourth quarter, 2024 CC&V submitted duplicate samples for monitoring well WCMW-3, collected on 10/8/2024, monitoring well GVMW-8A on 10/9/2024, monitoring well CRMW-3C collected on 10/10/2024, and monitoring well GVMW-22A on11/18/2024. For all data where a calculation is applicable, the RPD is presented below. When laboratory analysis for both samples was below reporting limit, a RPD was not calculated. When one sample result was above the reporting limit, and one sample was below the reporting limit a RPD was not calculated. CC&V used the following formula to determine Relative Percent Difference (RPD):

$$RPD = \frac{|X_1 - X_2|}{(X_1 + X_2)/2} \times 100$$

where,

RPD = Relative Percent Difference (as %)

$|X_1 - X_2|$ = Absolute value (always positive) of $X_1 - X_2$

X_1 = Original sample concentration

X_2 = Duplicate sample concentration

Analyte	WCMW-3	WCMW-3 Duplicate	Relative Percent Difference (RPD, %)
Barium - Dissolved (mg/L)	0.0649	0.0627	3.45
Chloride - Total (mg/L)	1.14	1.12	1.77
Fluoride - Total F (mg/L)	0.756	0.762	0.79
Manganese - Dissolved (mg/L)	0.0402	0.0363	10.20
Sodium - Dissolved (mg/L)	10	10	0.00
Sulfate - Total (mg/L)	24.9	24.7	0.81
Total Dissolved Solids (mg/L)	248	246	0.81
Uranium - Dissolved (mg/L)	0.00641	0.00669	4.27

Analyte	GVMW-8A	GVMW-8A Duplicate	Relative Percent Difference (RPD, %)
Chloride - Total (mg/L)	61.6	61.3	0.49
Fluoride - Total F (mg/L)	1.9	1.9	0.00
Nitrate as Nitrogen (mg/L)	1.19	1.18	0.84
Sodium - Dissolved (mg/L)	24.6	23.5	4.57
Sulfate - Total (mg/L)	61	60.4	0.99
Total Dissolved Solids (mg/L)	264	388	38.04
Uranium - Dissolved (mg/L)	0.00475	0.00474	0.21

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

Analyte	CRMW-3C	CRMW-3C Duplicate	Relative Percent Difference (RPD, %)
Barium - Dissolved (mg/L)	0.0114	0.0116	1.74
Boron - Total (mg/L)	0.0687	0.0685	0.29
Chloride - Total (mg/L)	184	184	0.00
Cobalt - Dissolved (mg/L)	0.0207	0.0195	5.97
Cyanide - Total (mg/L)	0.0056	0.0055	1.80
Fluoride - Total F (mg/L)	3.14	3.18	1.27
Iron - Dissolved (mg/L)	0.176	0.183	3.90
Lithium - Dissolved (mg/L)	0.085	0.085	0.00
Manganese - Dissolved (mg/L)	2.53	2.55	0.79
Nitrate as Nitrogen (mg/L)	0.181	0.176	2.80
Nitrite + Nitrate as Nitrogen (mg/L)	0.203	0.198	2.49
Sodium - Dissolved (mg/L)	69.4	69.2	0.29
Sulfate - Total (mg/L)	667	670	0.45
Total Dissolved Solids (mg/L)	1400	1370	2.17
Uranium - Dissolved (mg/L)	0.025	0.0262	4.69
Zinc - Dissolved (mg/L)	0.0329	0.0324	1.53

Analyte	GVMW-22A	GVMW-22A Duplicate	Relative Percent Difference (RPD, %)
Barium - Dissolved (mg/L)	0.106	0.107	0.94
Chloride - Total (mg/L)	3.73	3.71	0.54
Fluoride - Total F (mg/L)	2.21	2.23	0.90
Iron - Dissolved (mg/L)	0.146	0.158	7.89
Manganese - Dissolved (mg/L)	0.213	0.212	0.47
Molybdenum - Dissolved (mg/L)	0.0106	0.01	5.83
Sodium - Dissolved (mg/L)	36.8	37.9	2.95
Sulfate - Total (mg/L)	31.3	31.2	0.32
Total Dissolved Solids (mg/L)	236	241	2.10
Uranium - Dissolved (mg/L)	0.00305	0.00352	14.31

Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

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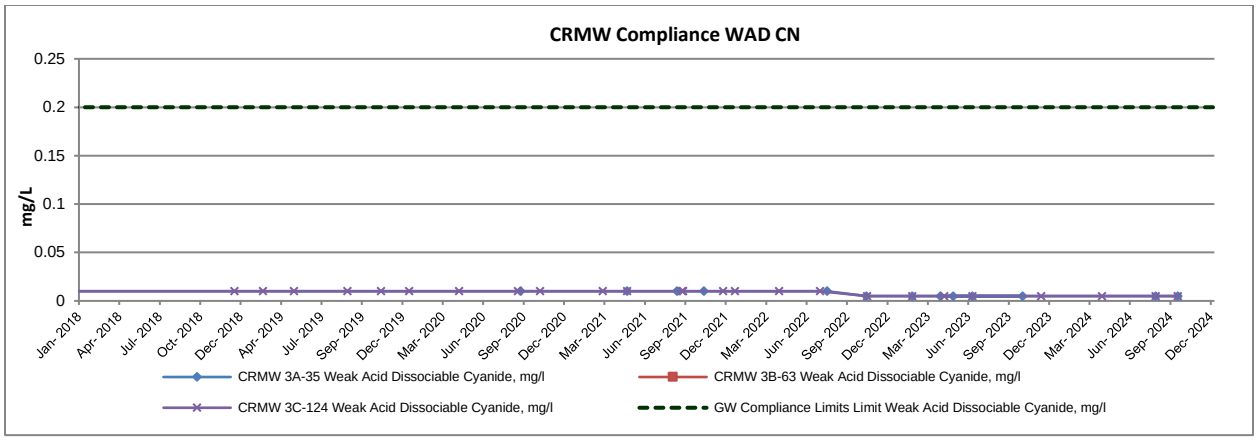
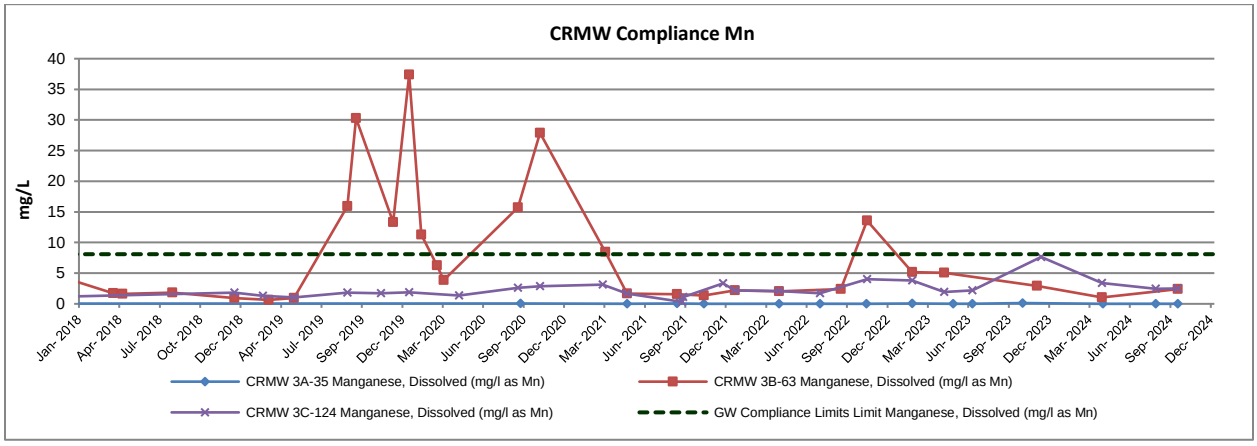
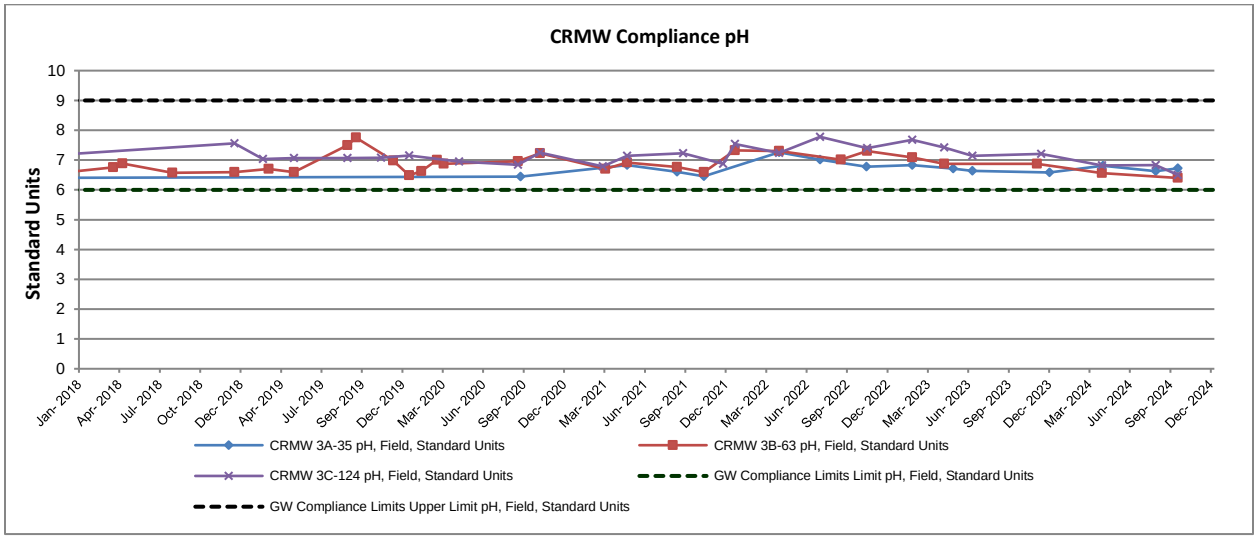
Attachment 5

Graphs

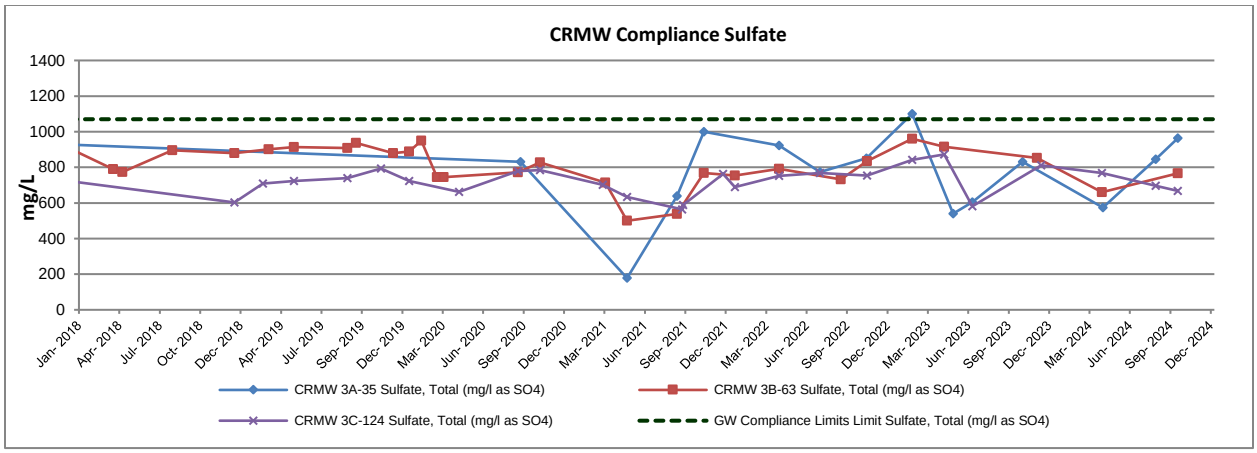
Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34

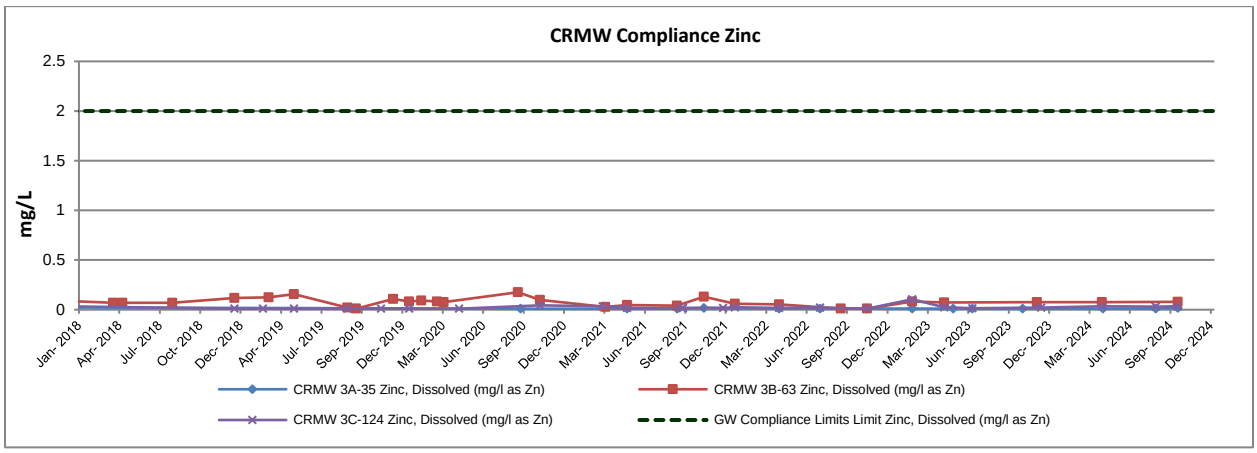




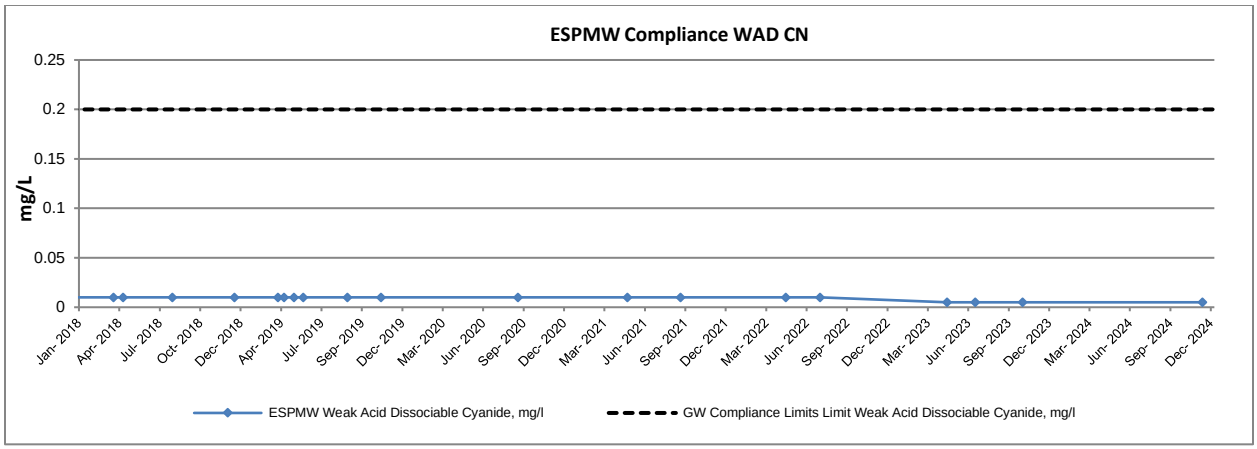


Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34





Docusign Envelope ID: 902B9C8D-4F88-4F8B-89F7-DC2805A11E34



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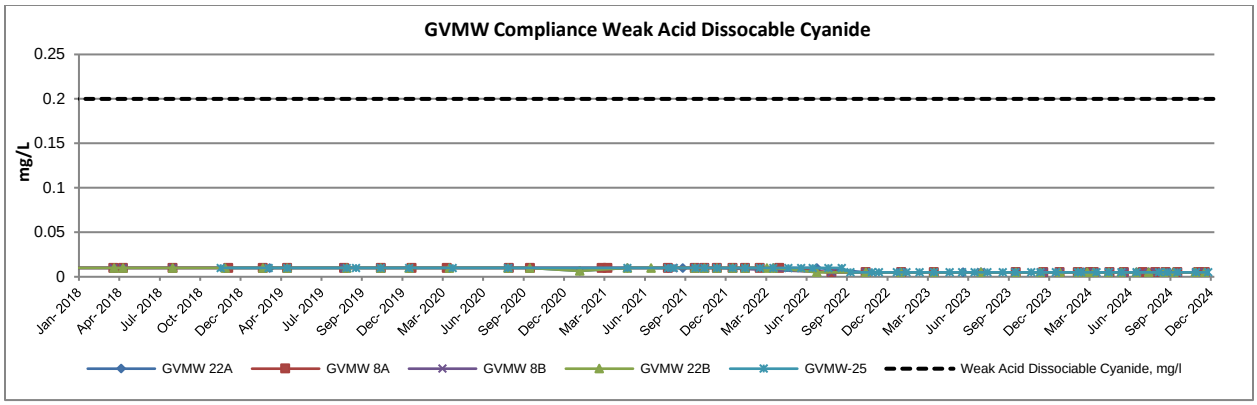

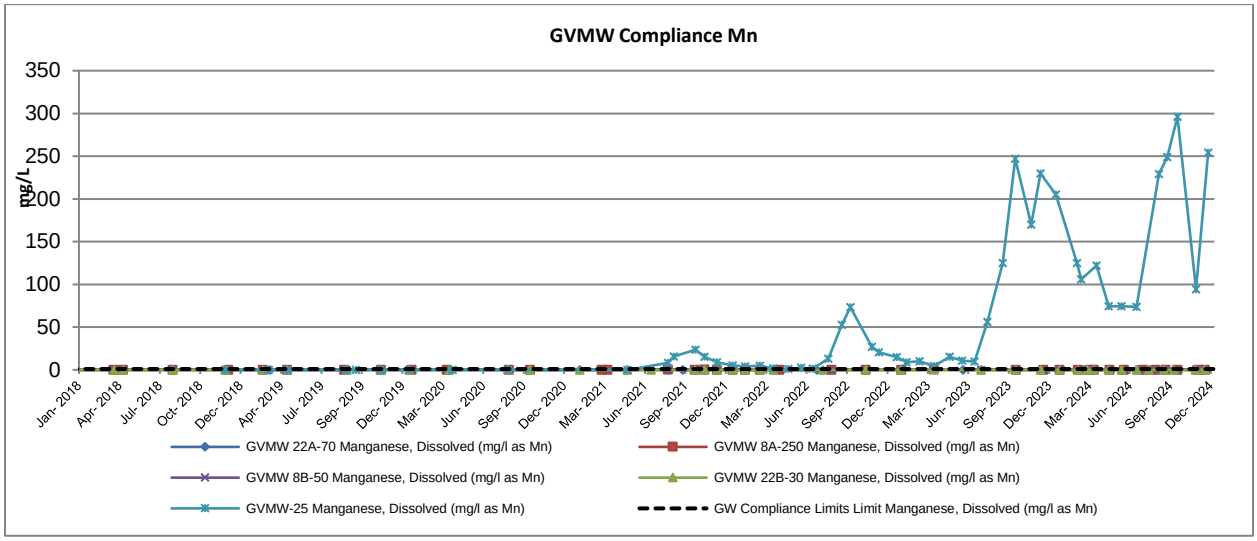

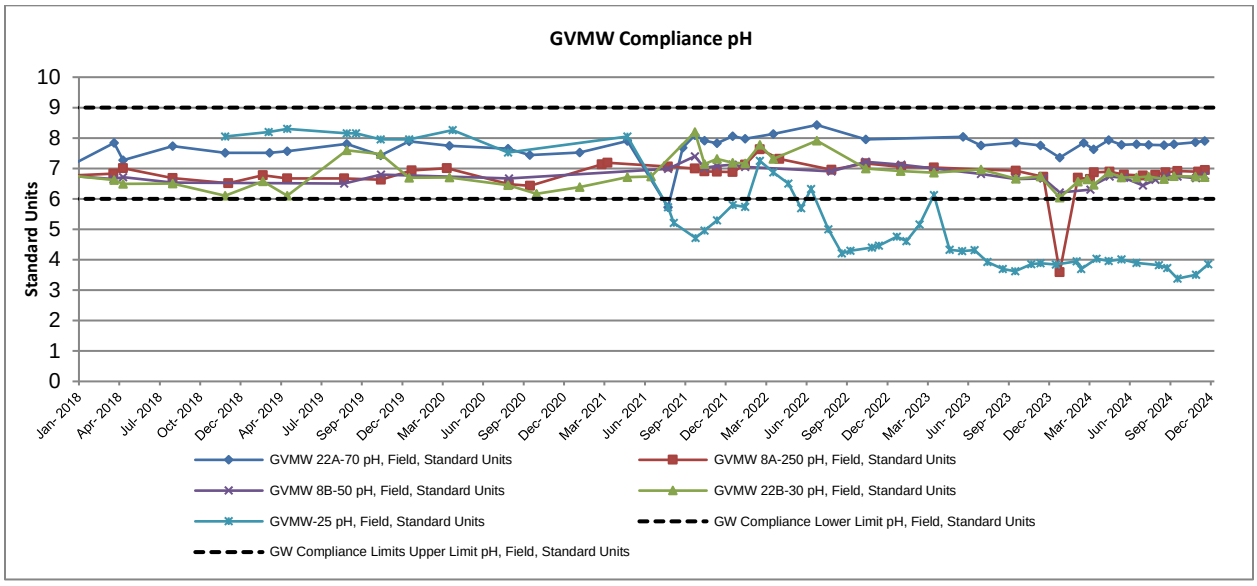

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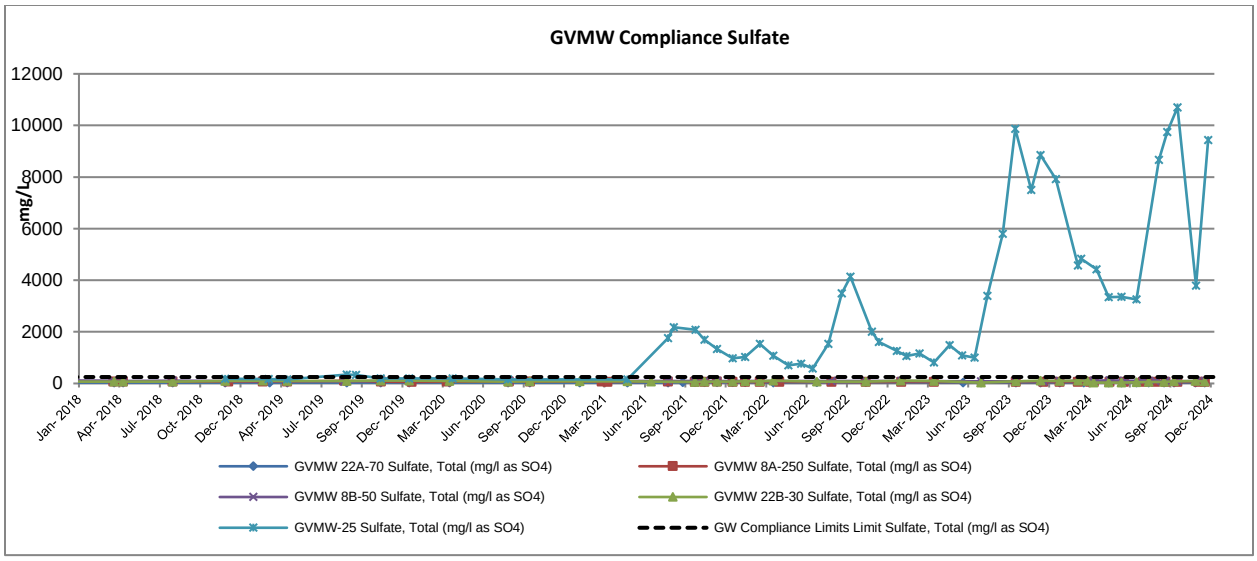

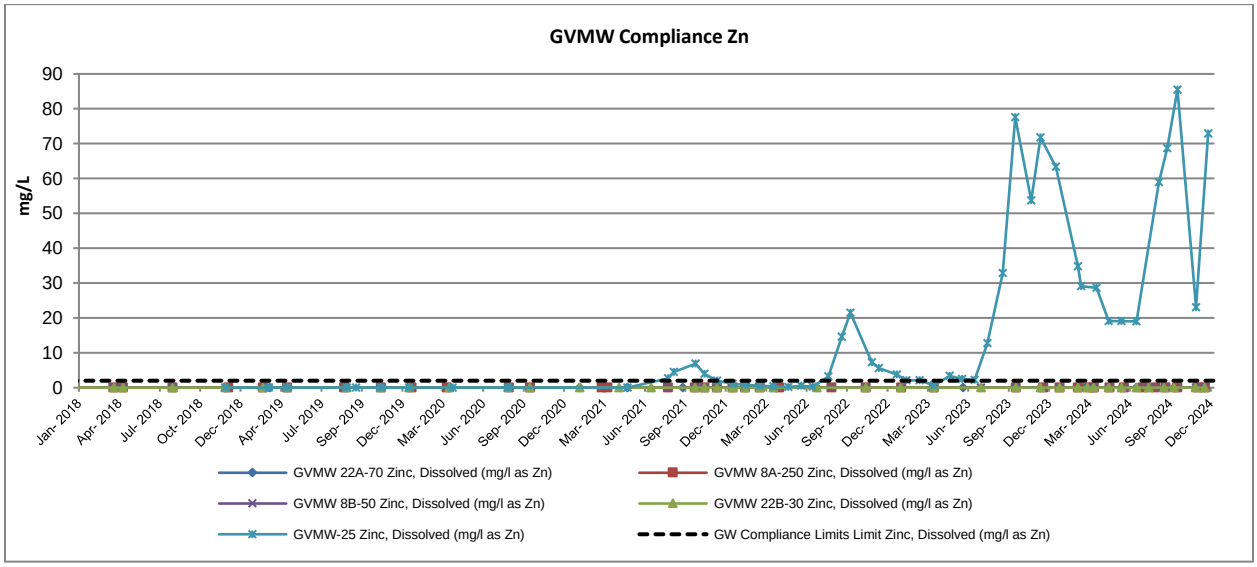

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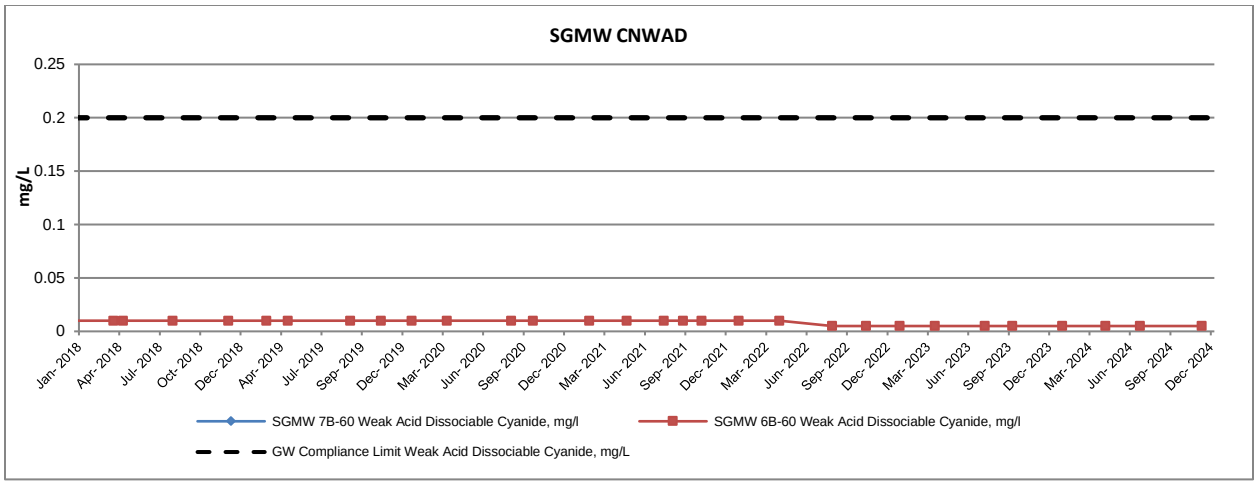

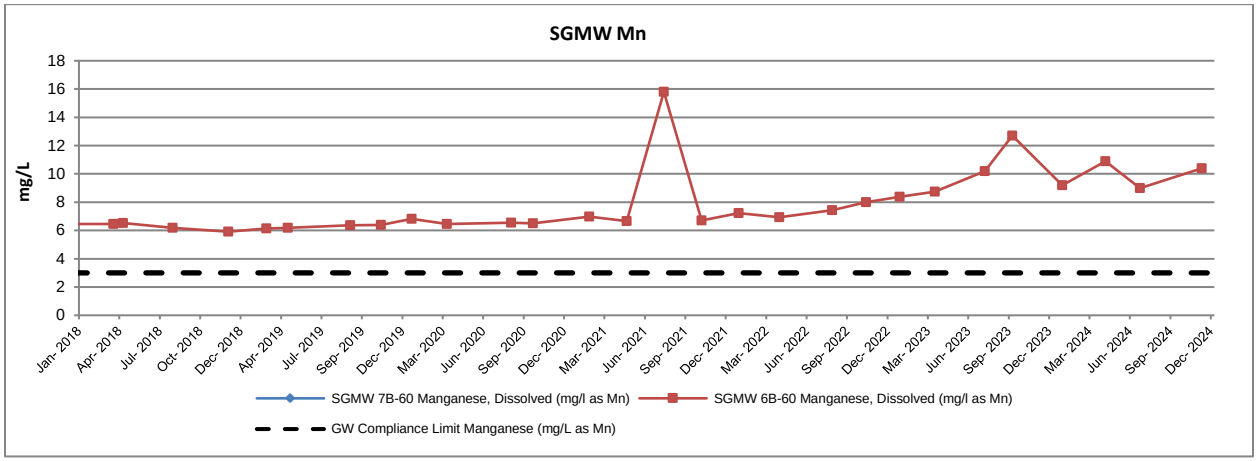

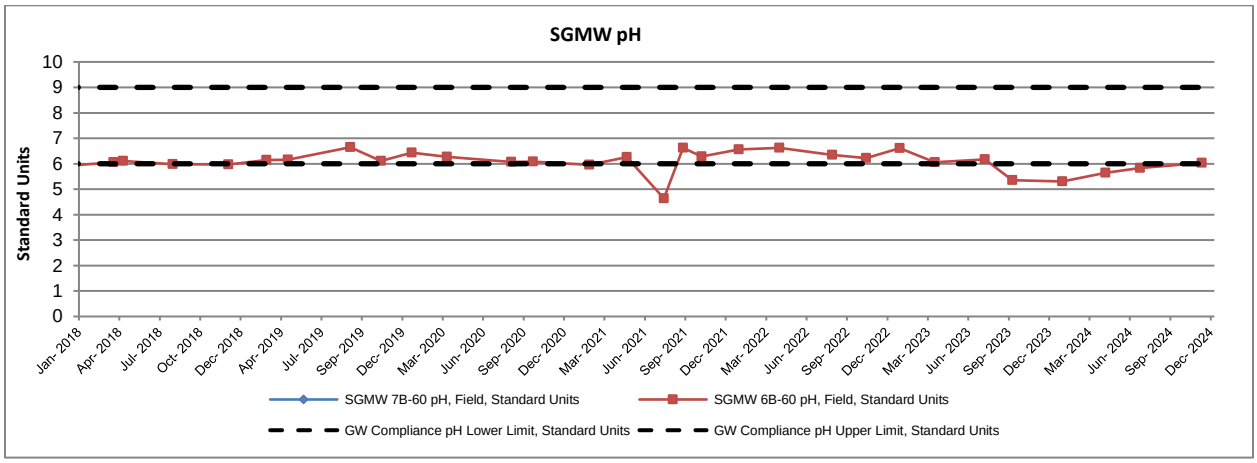

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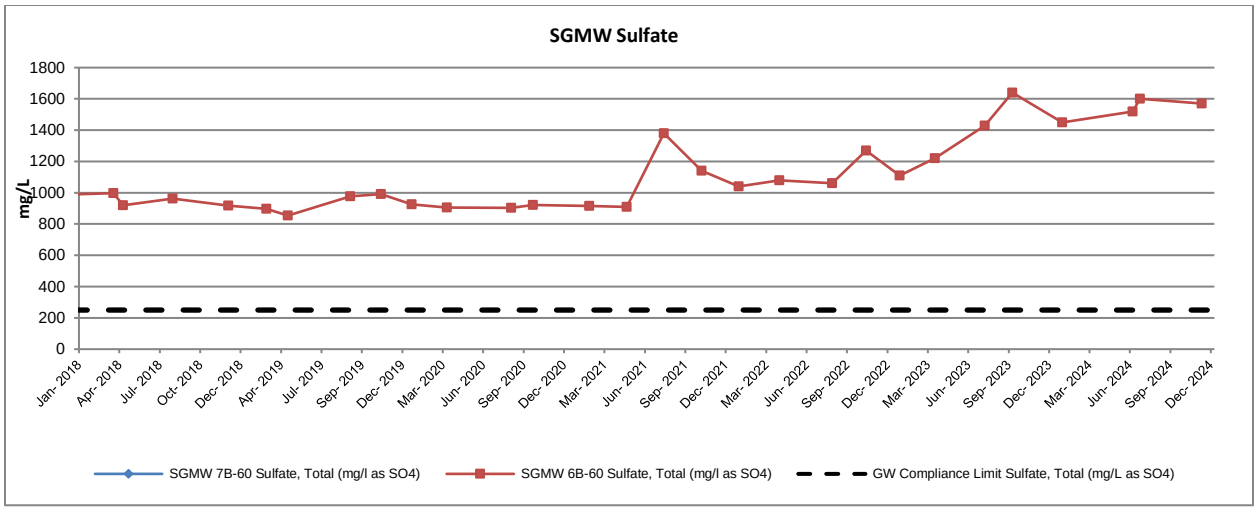

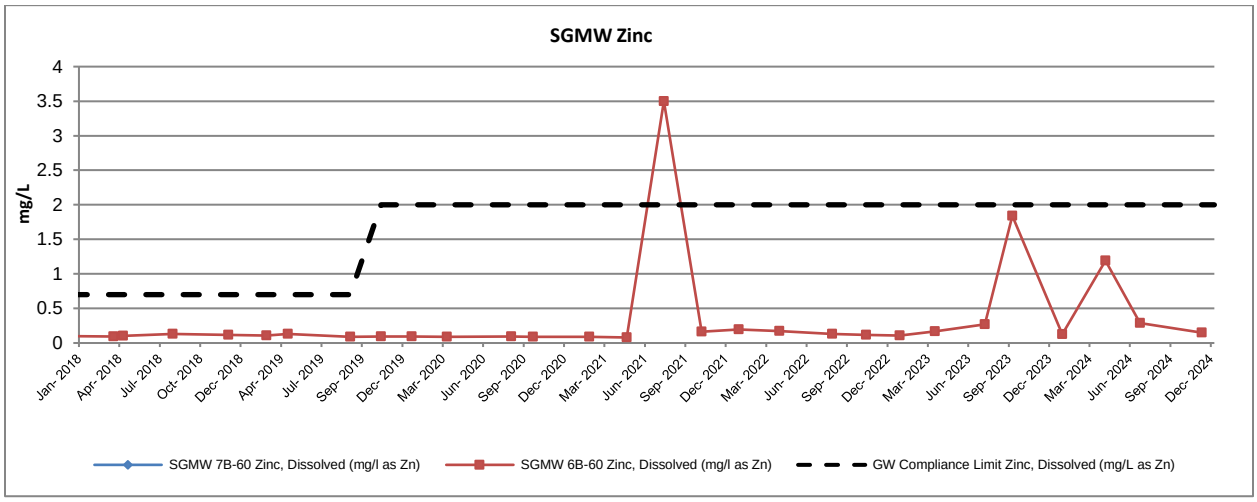

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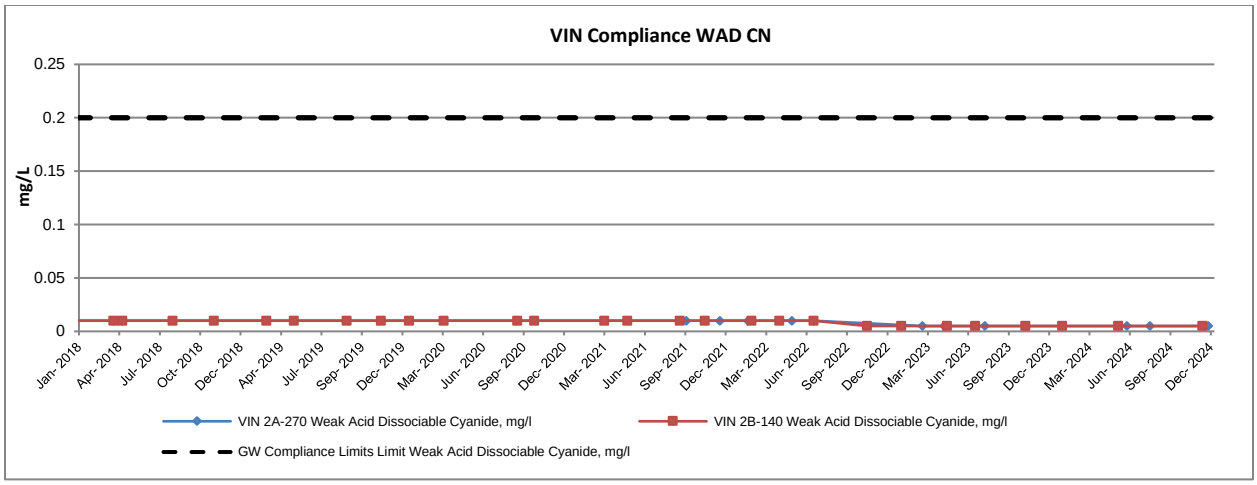

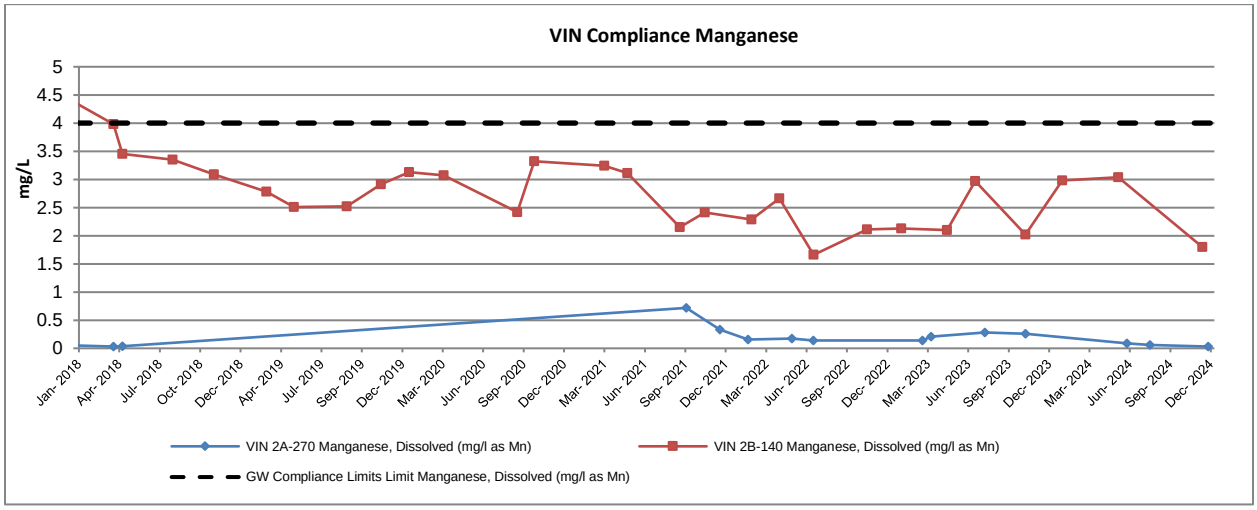

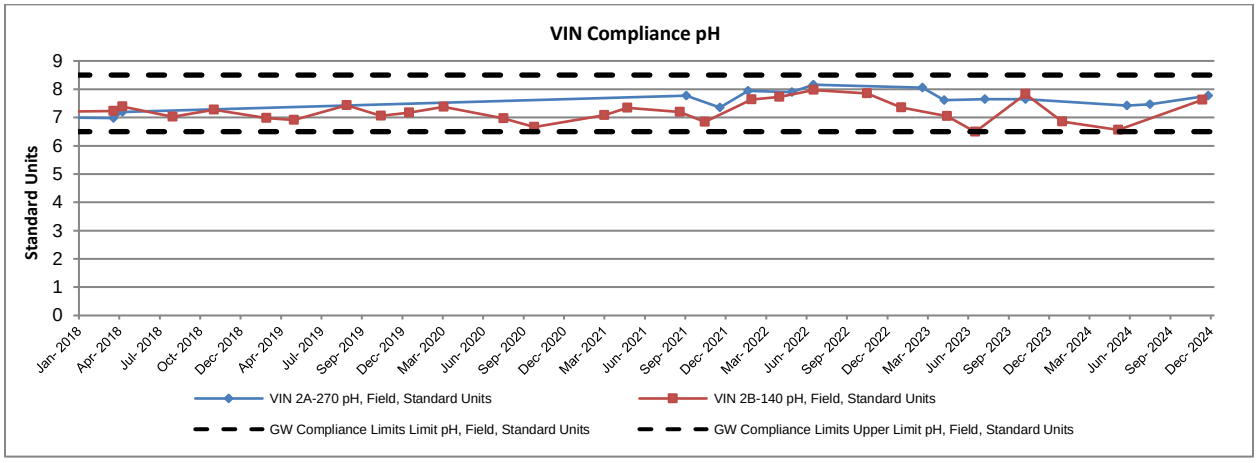

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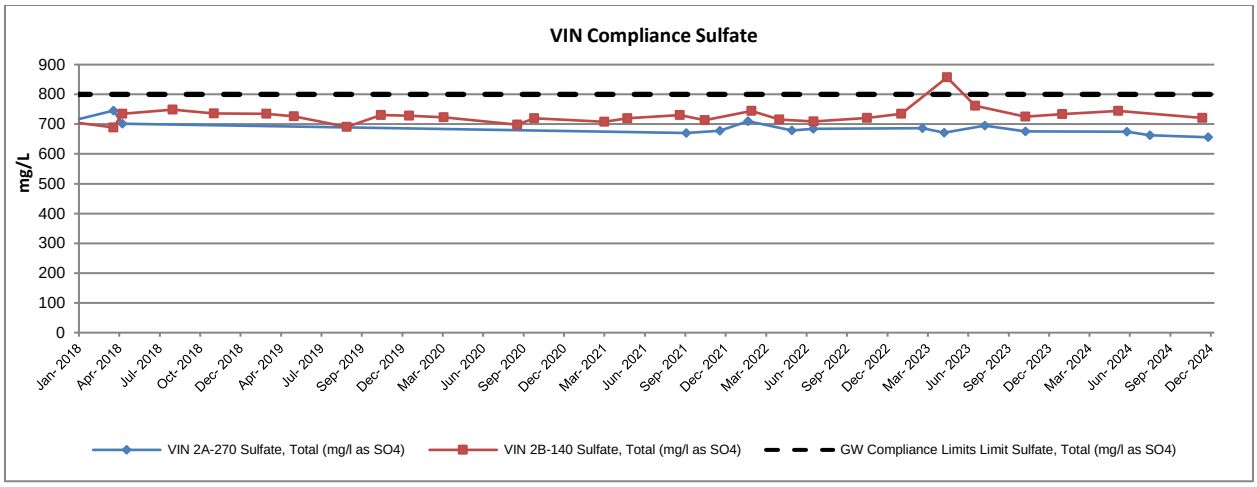

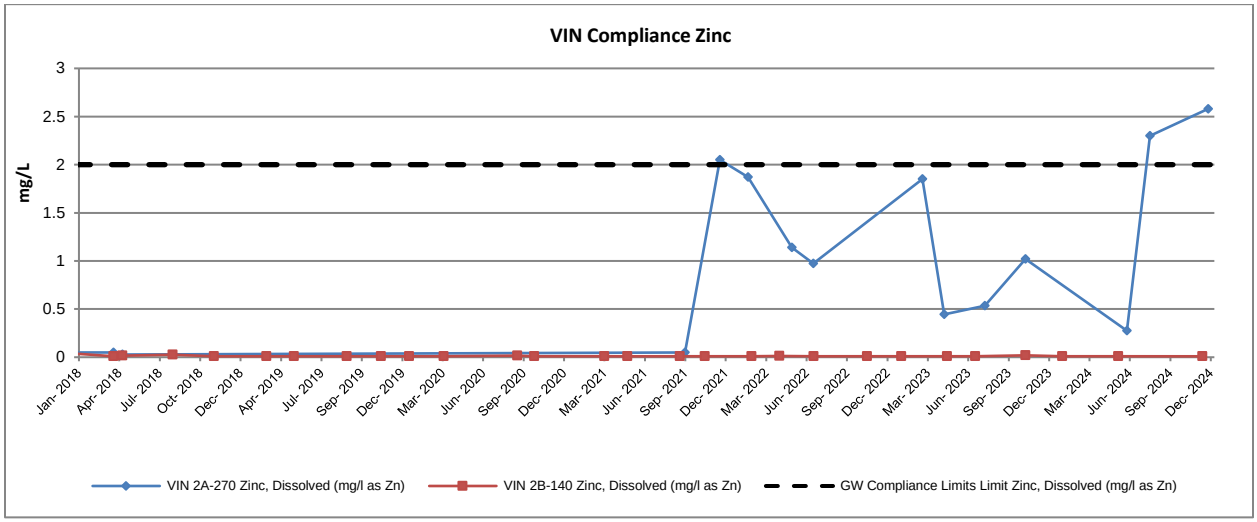

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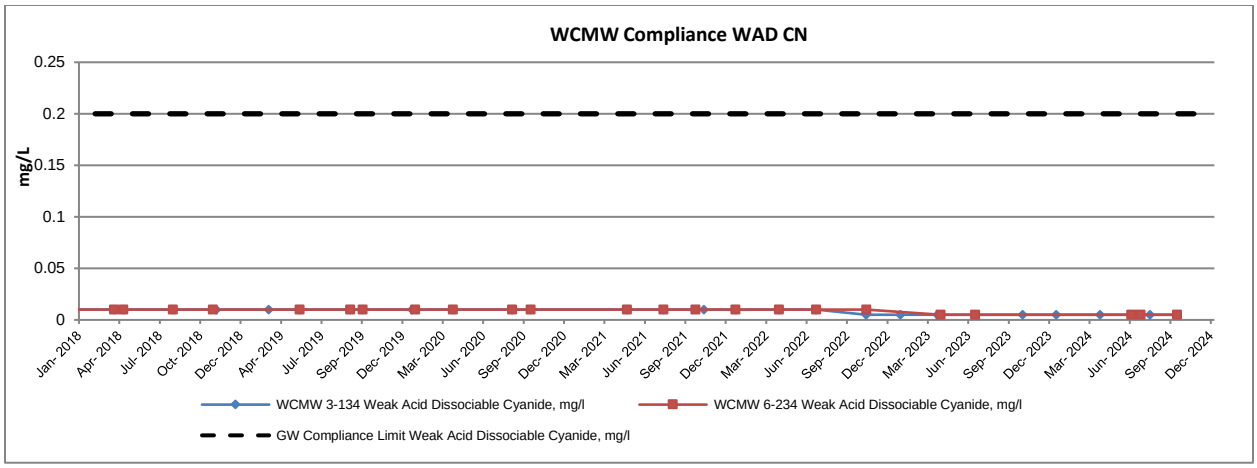

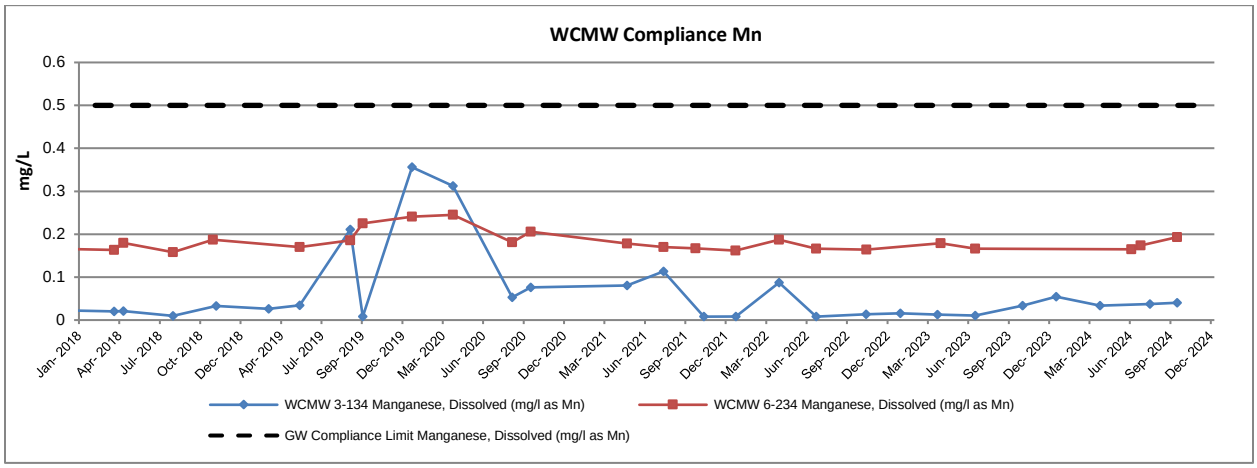

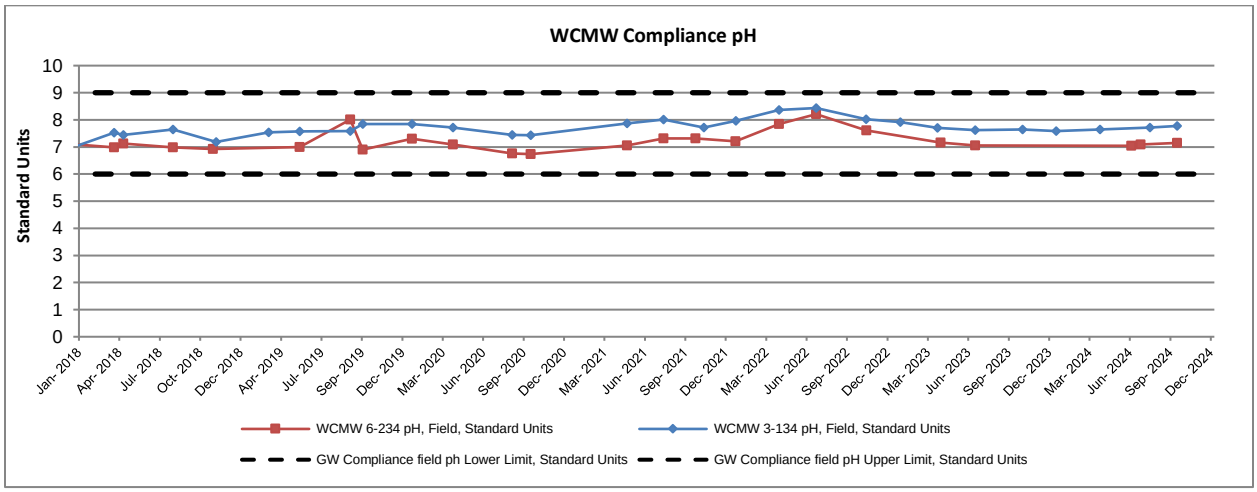

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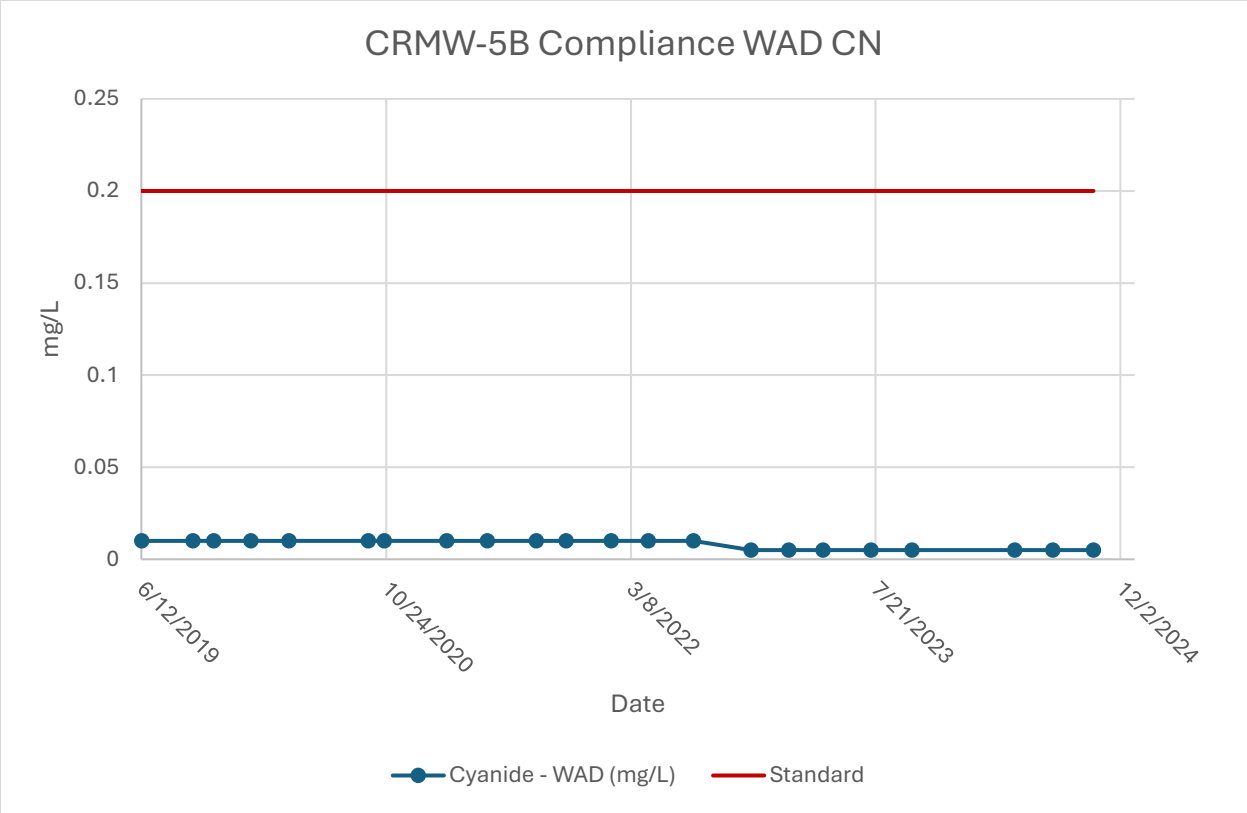

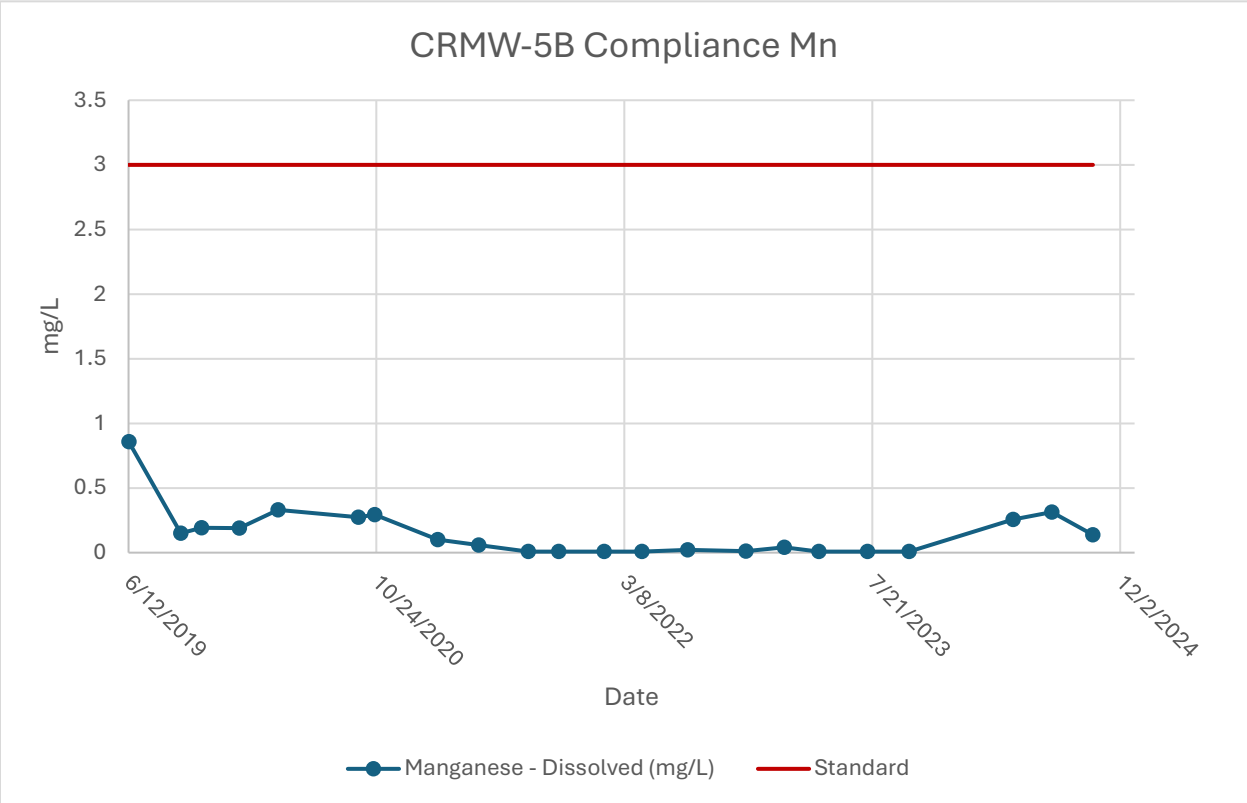

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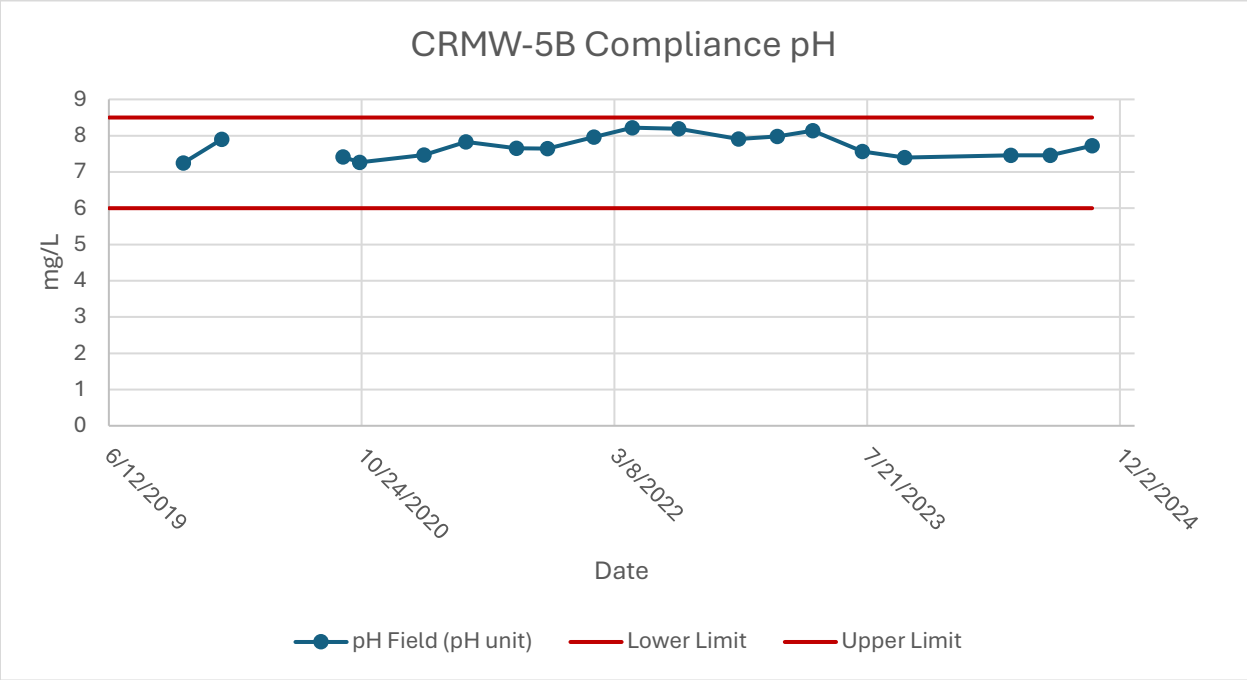

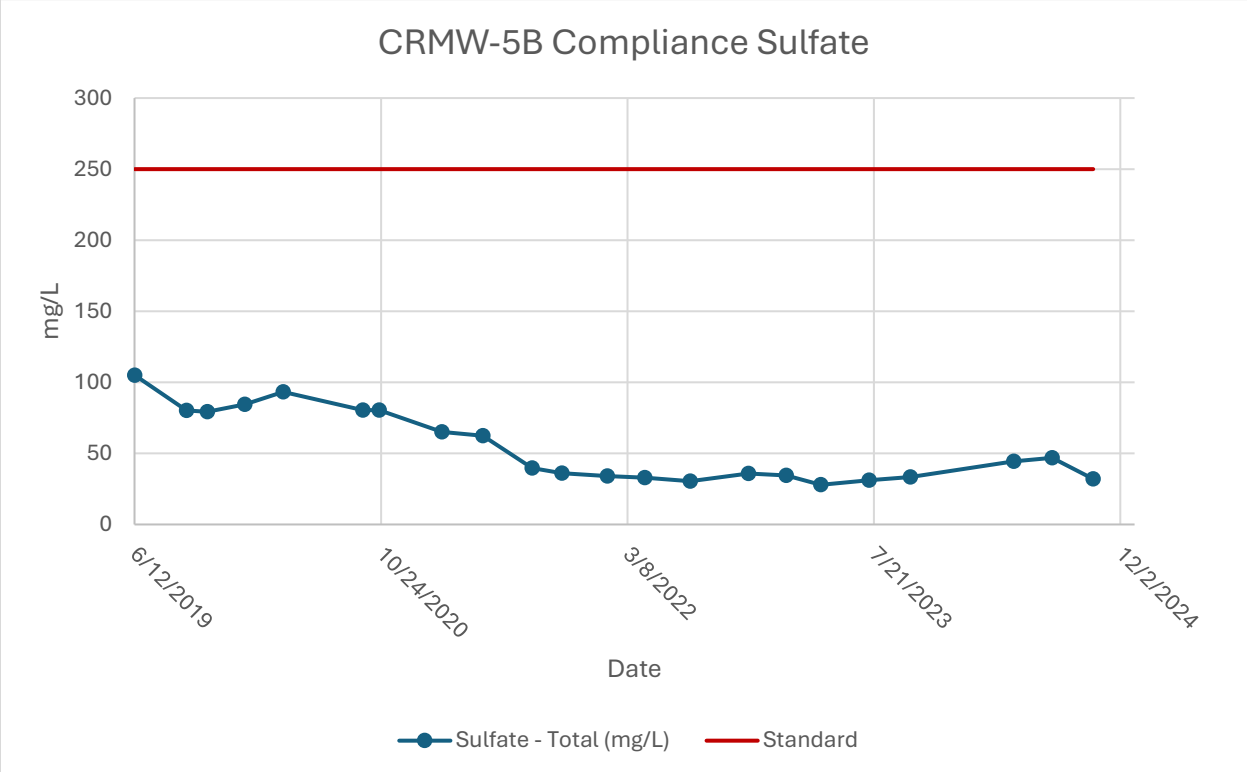

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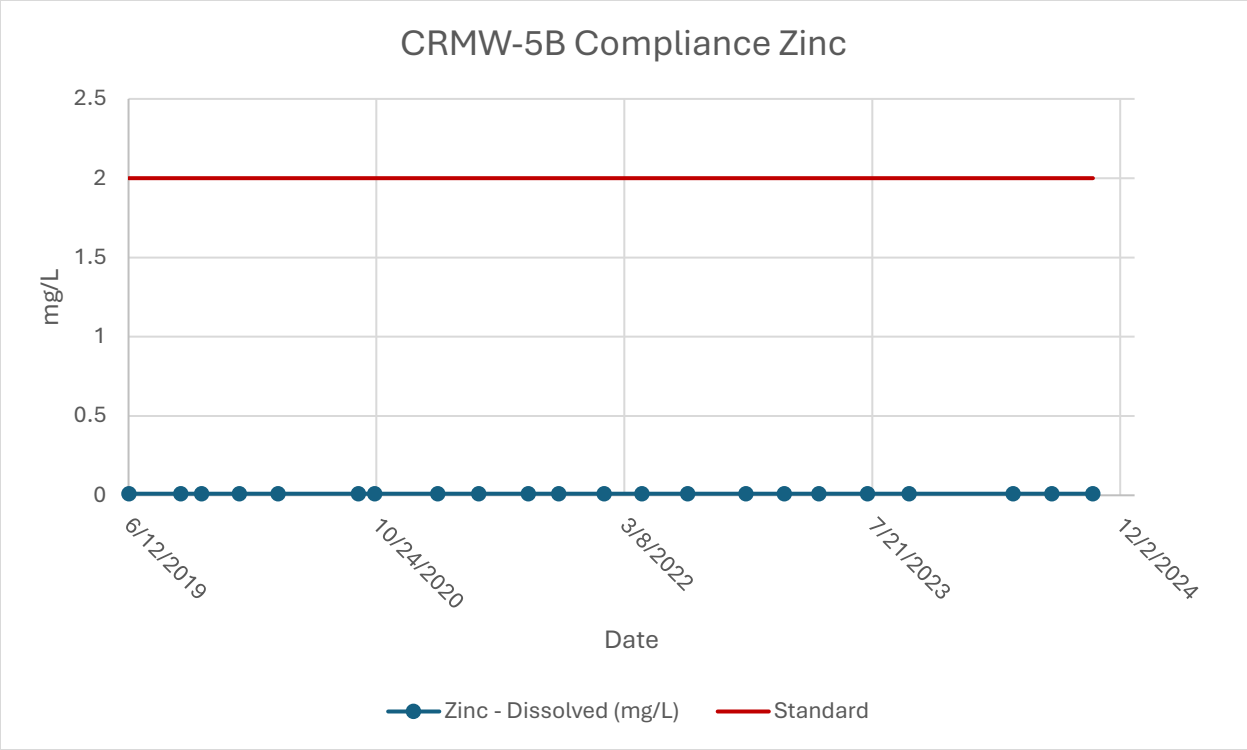

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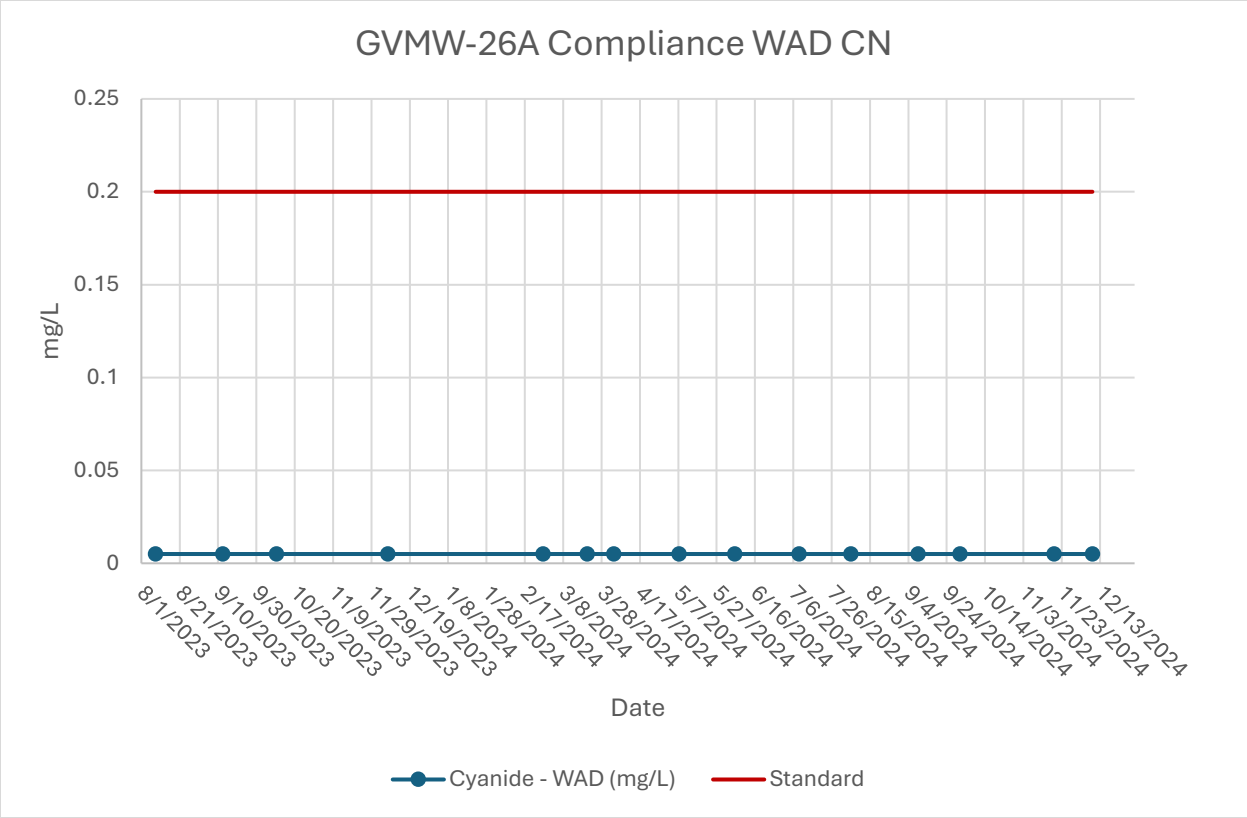

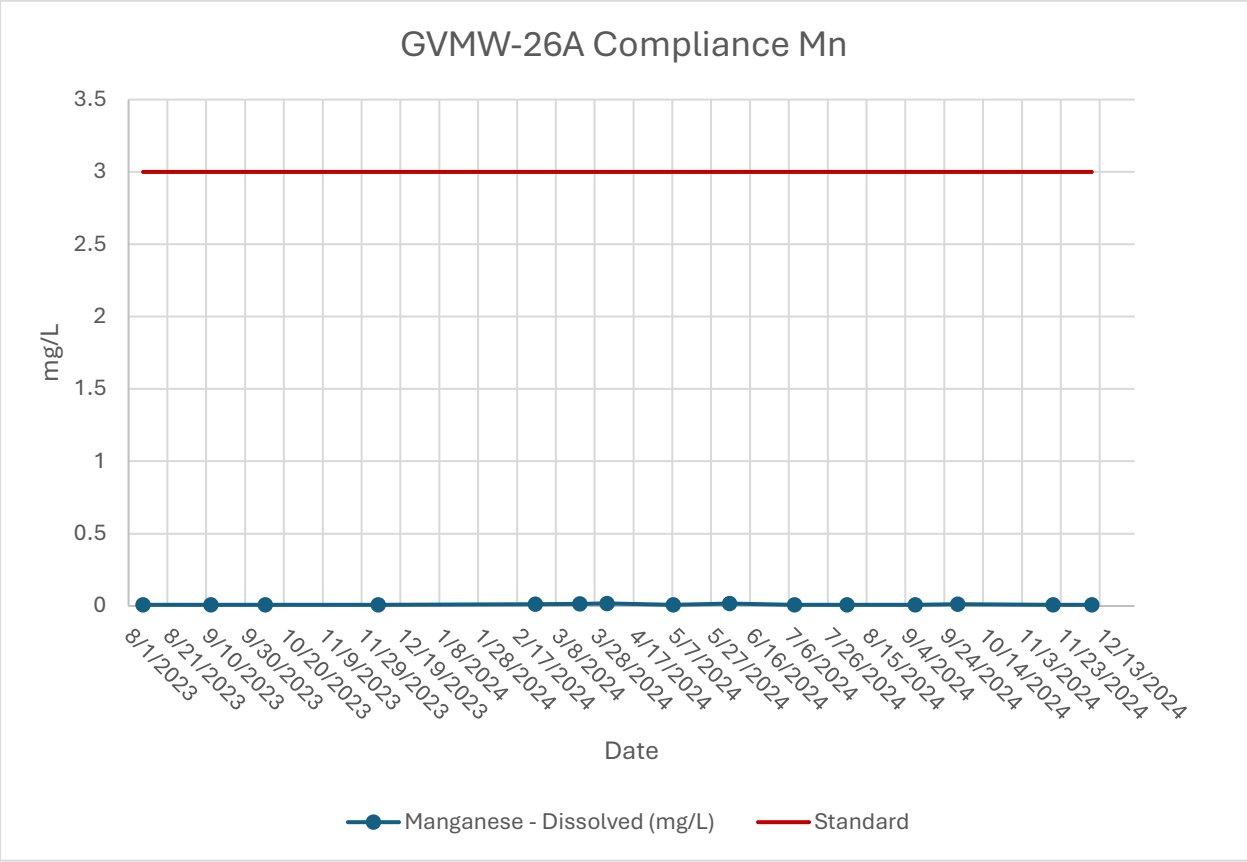

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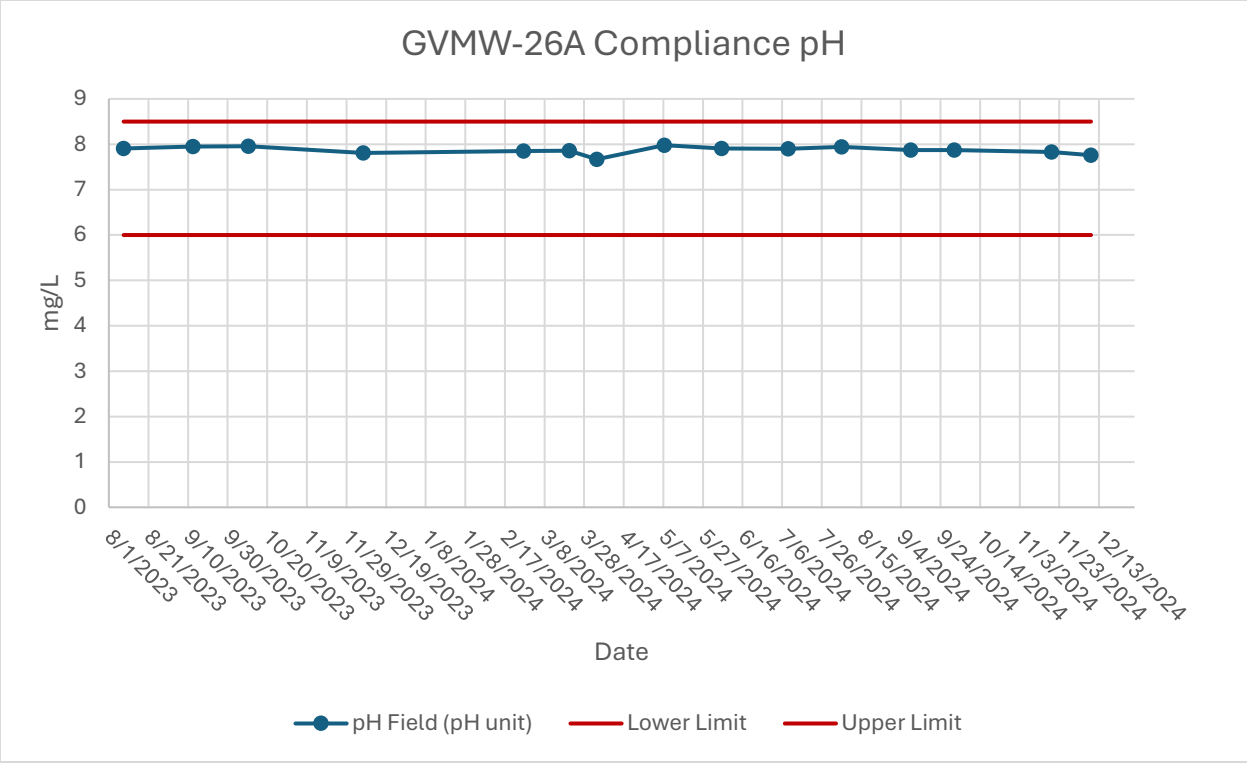

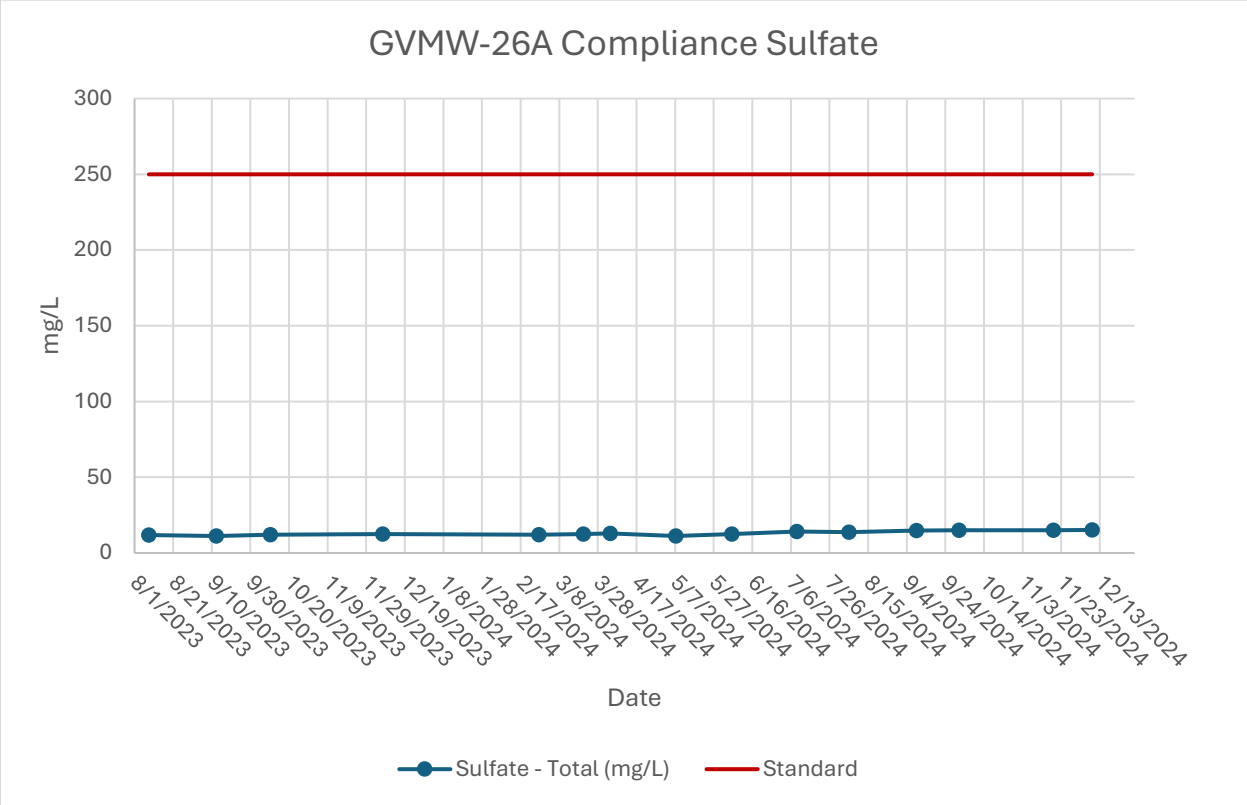

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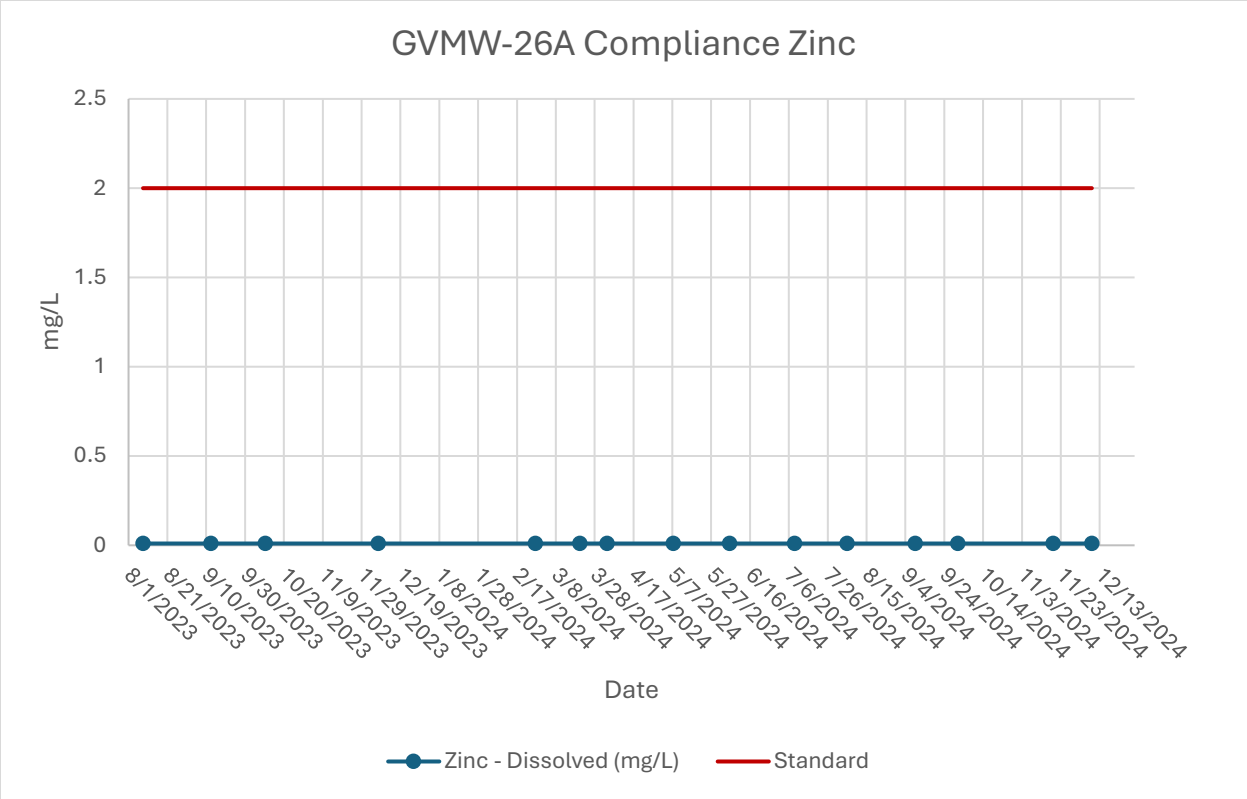

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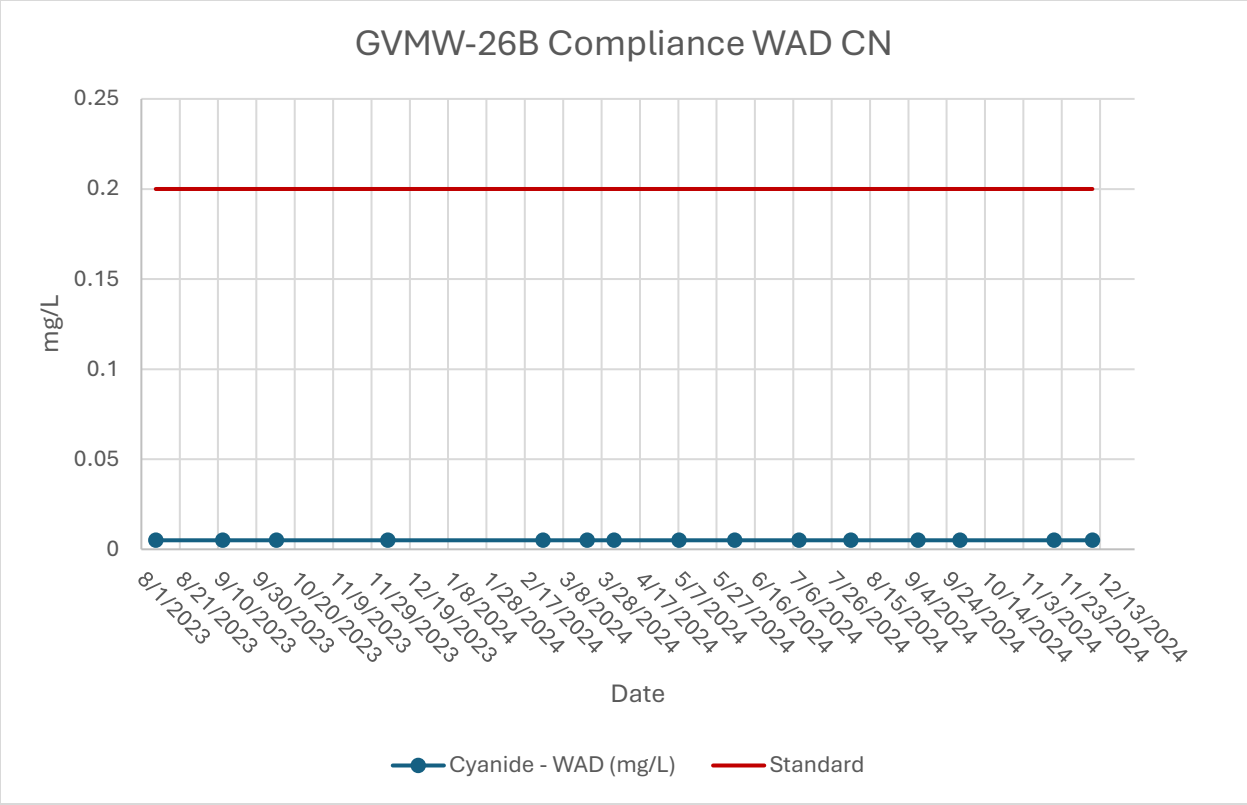

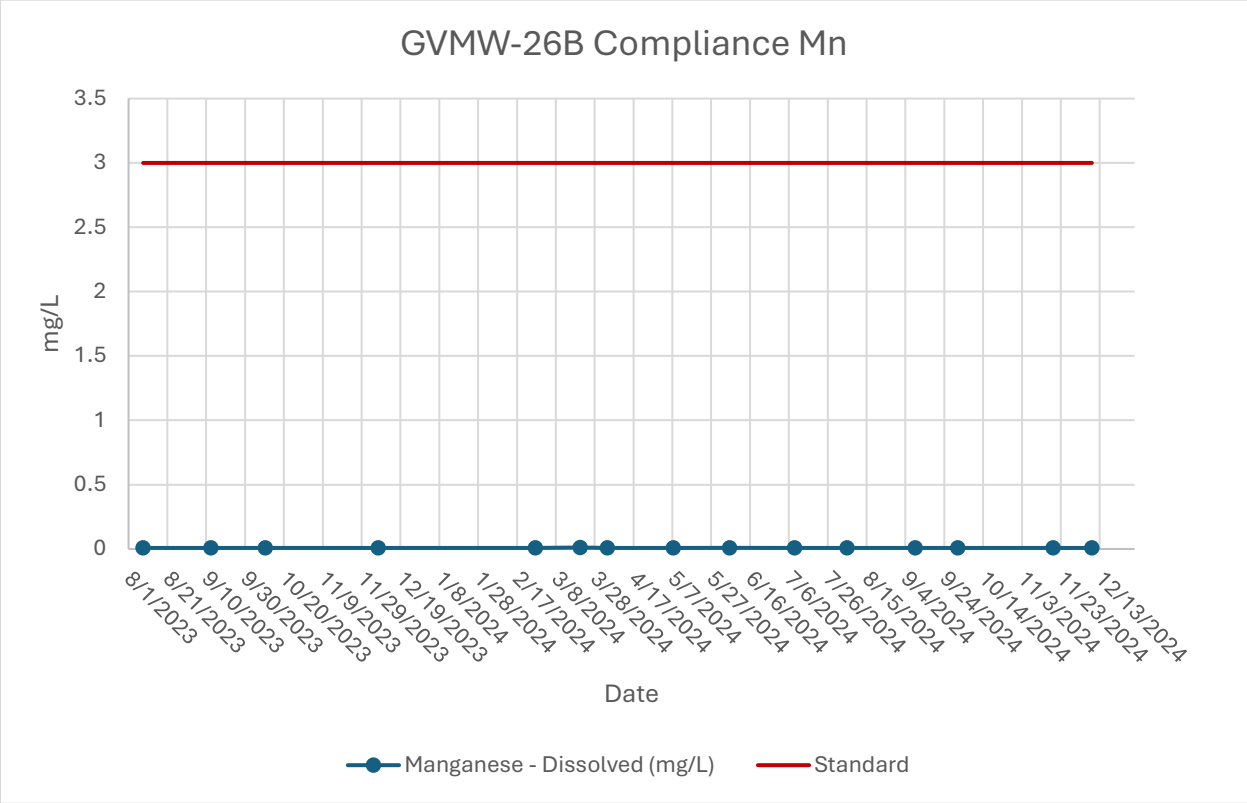

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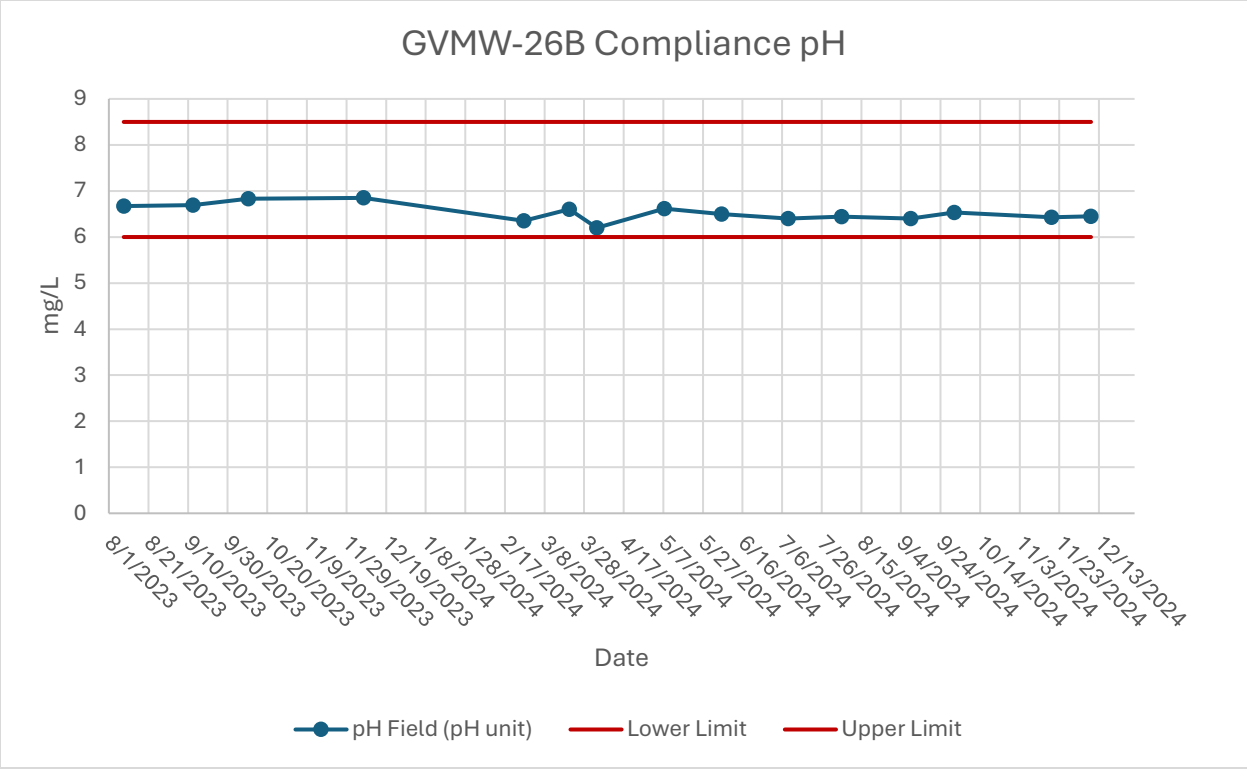

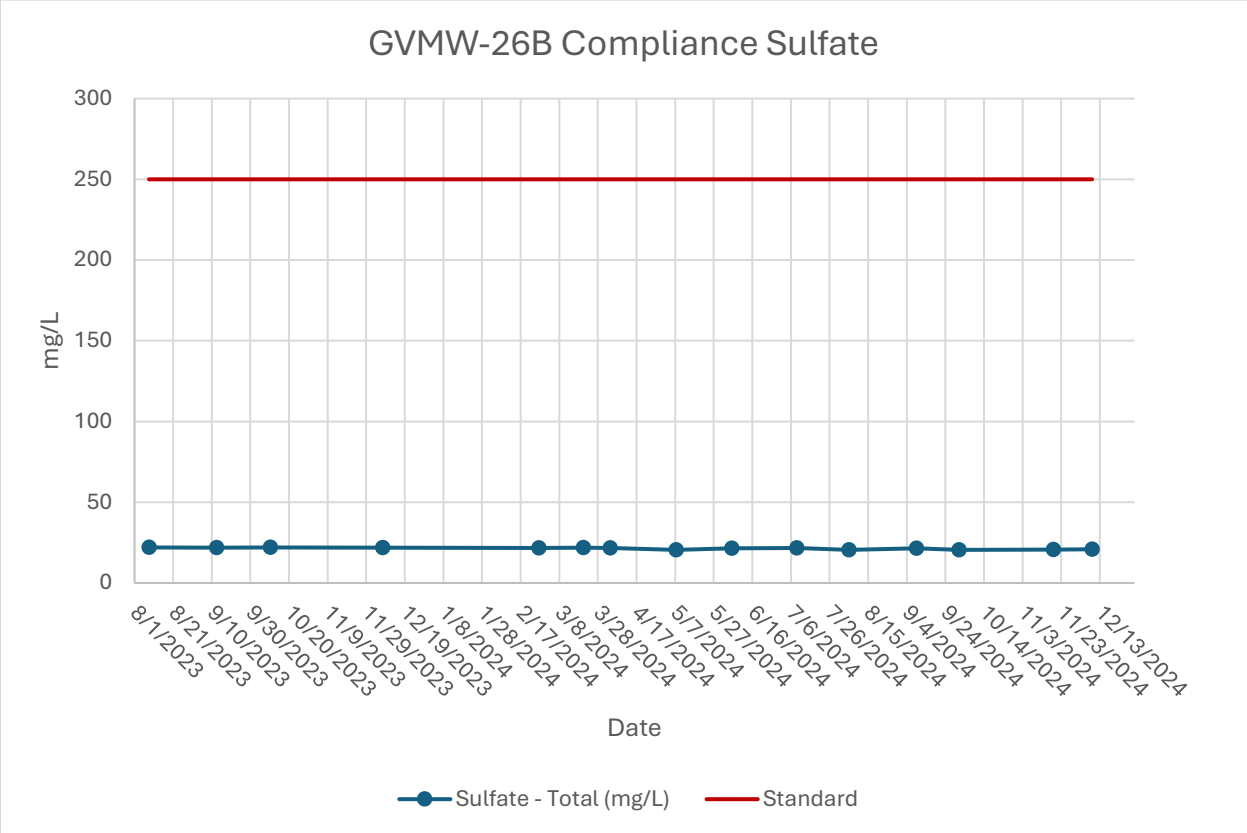

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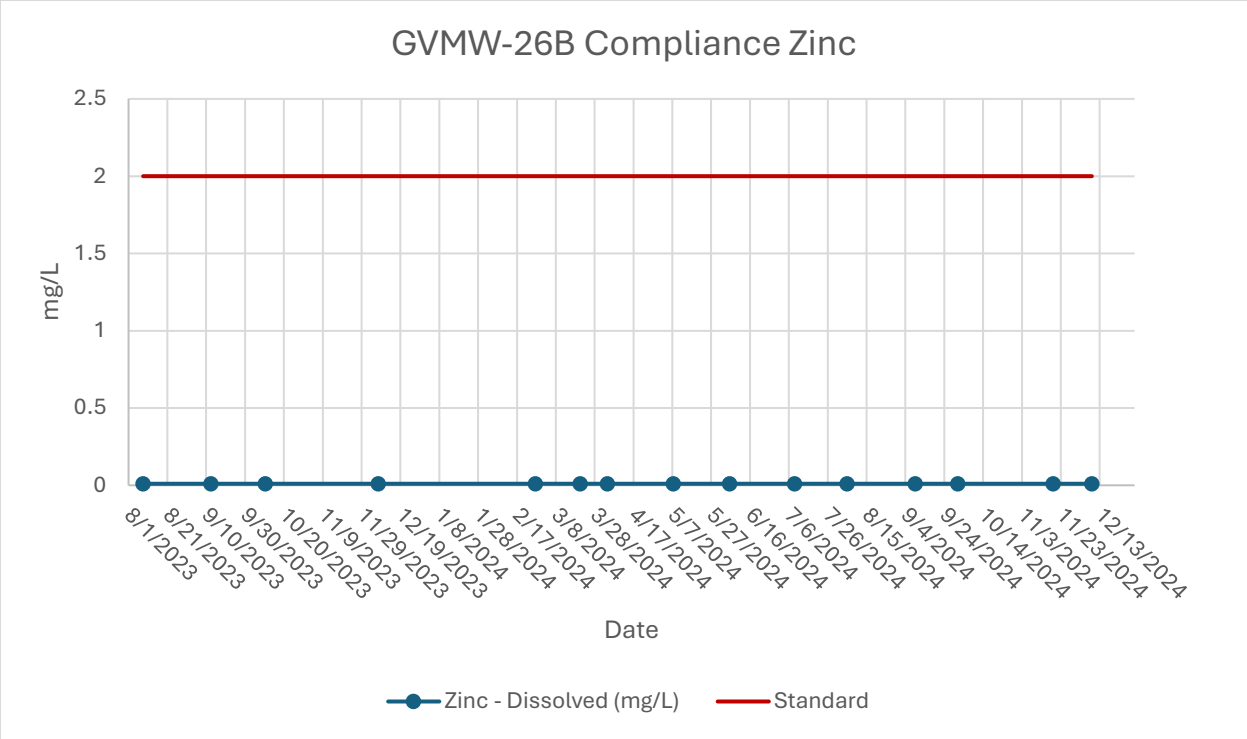

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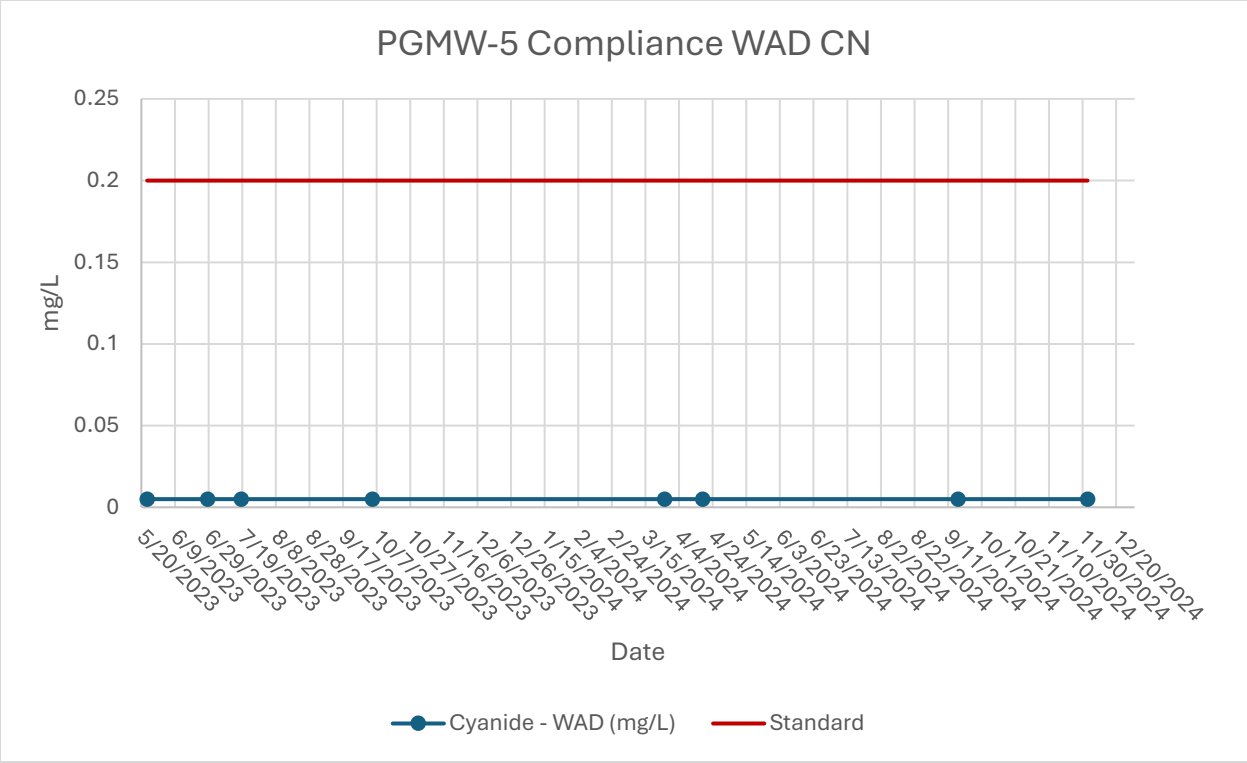

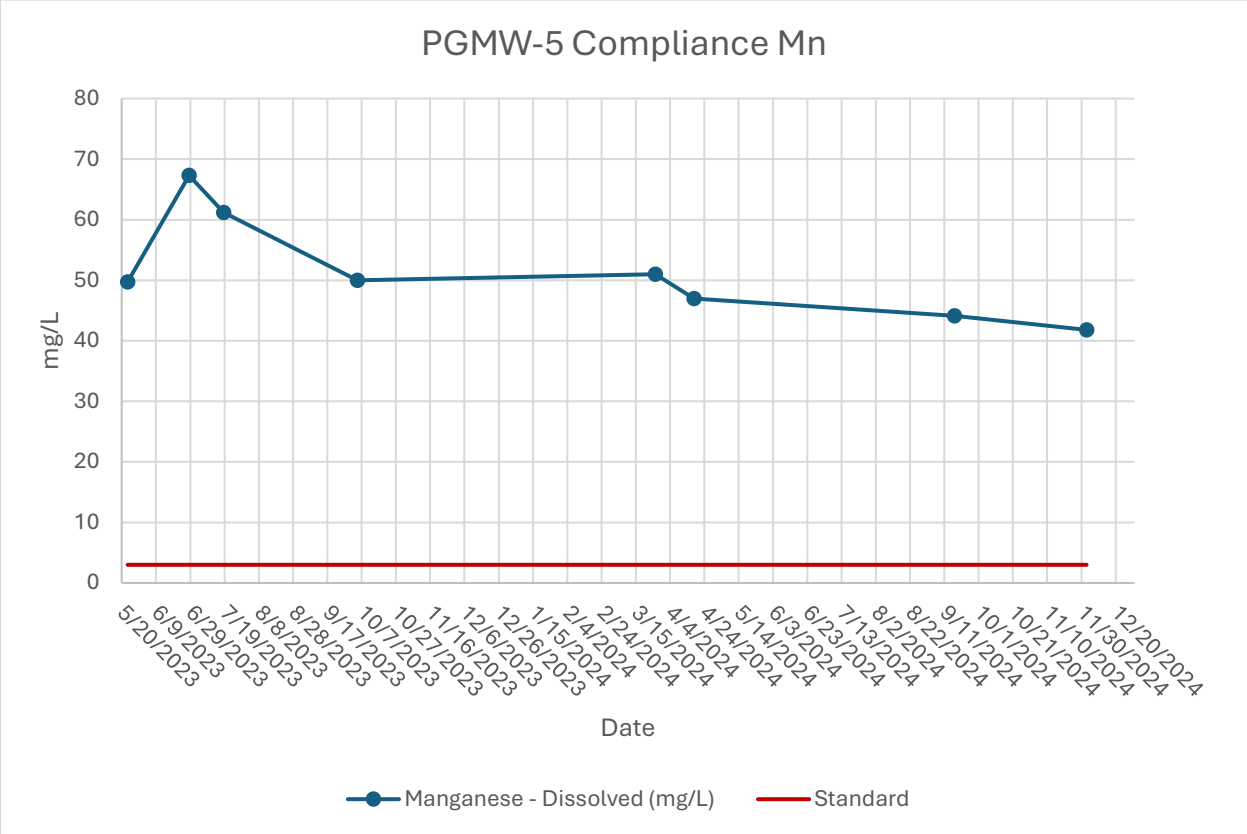

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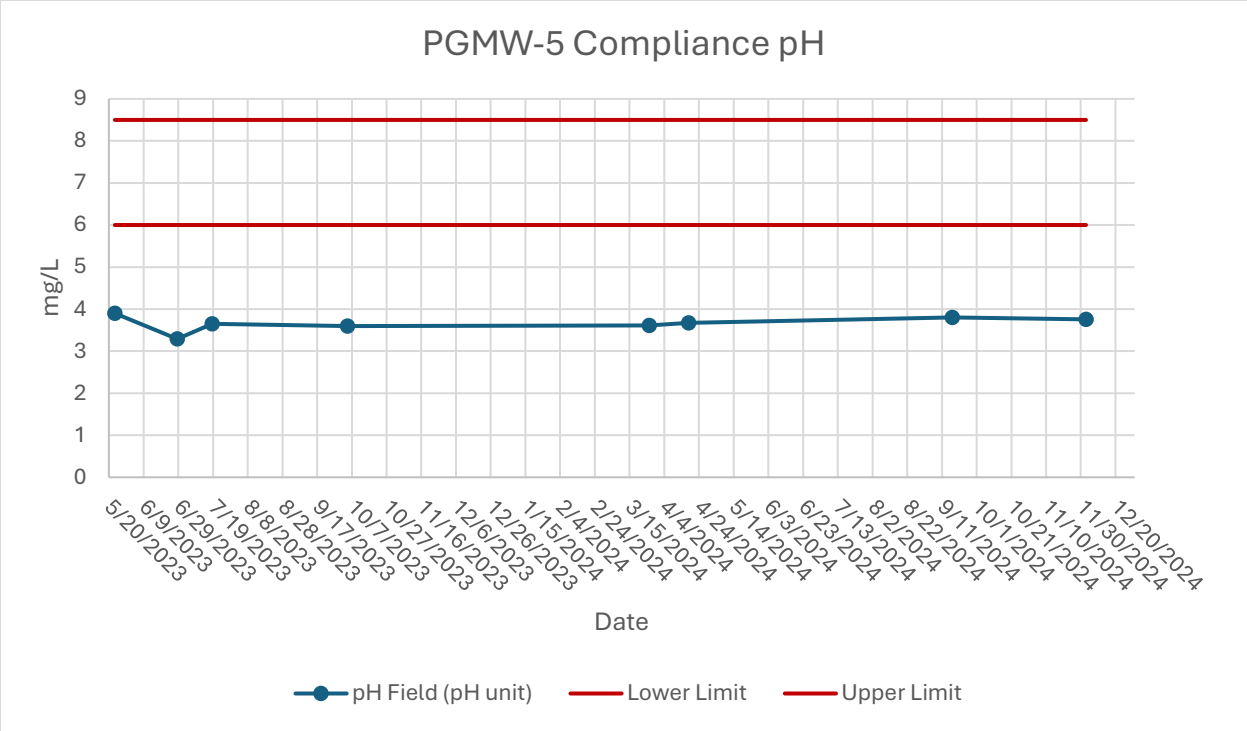

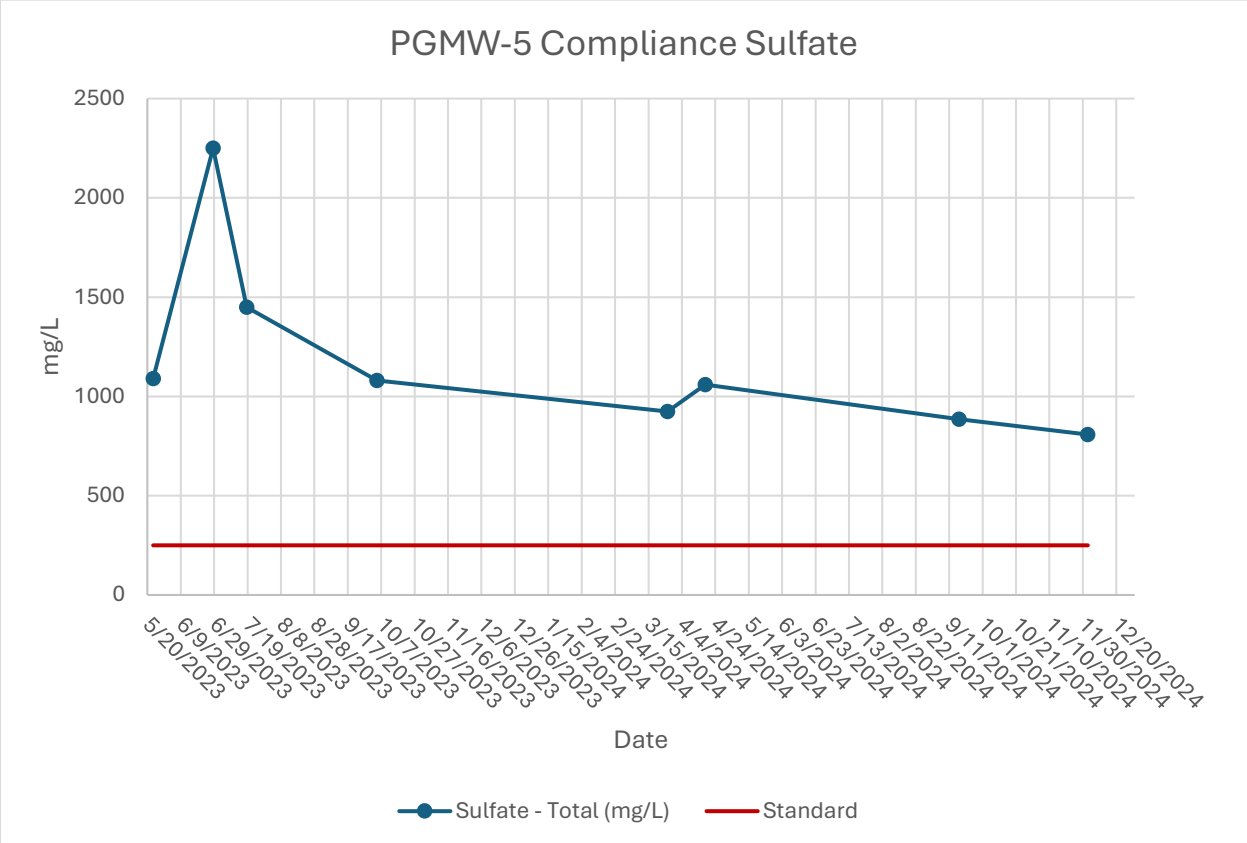

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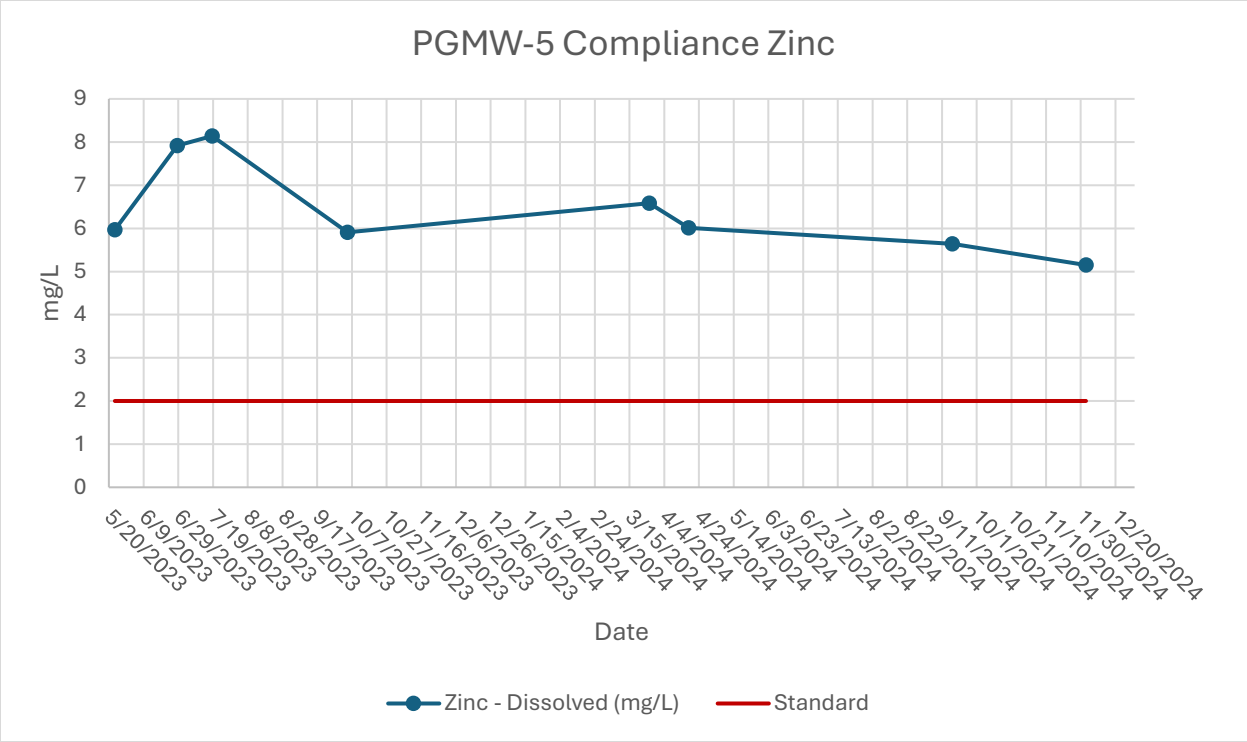

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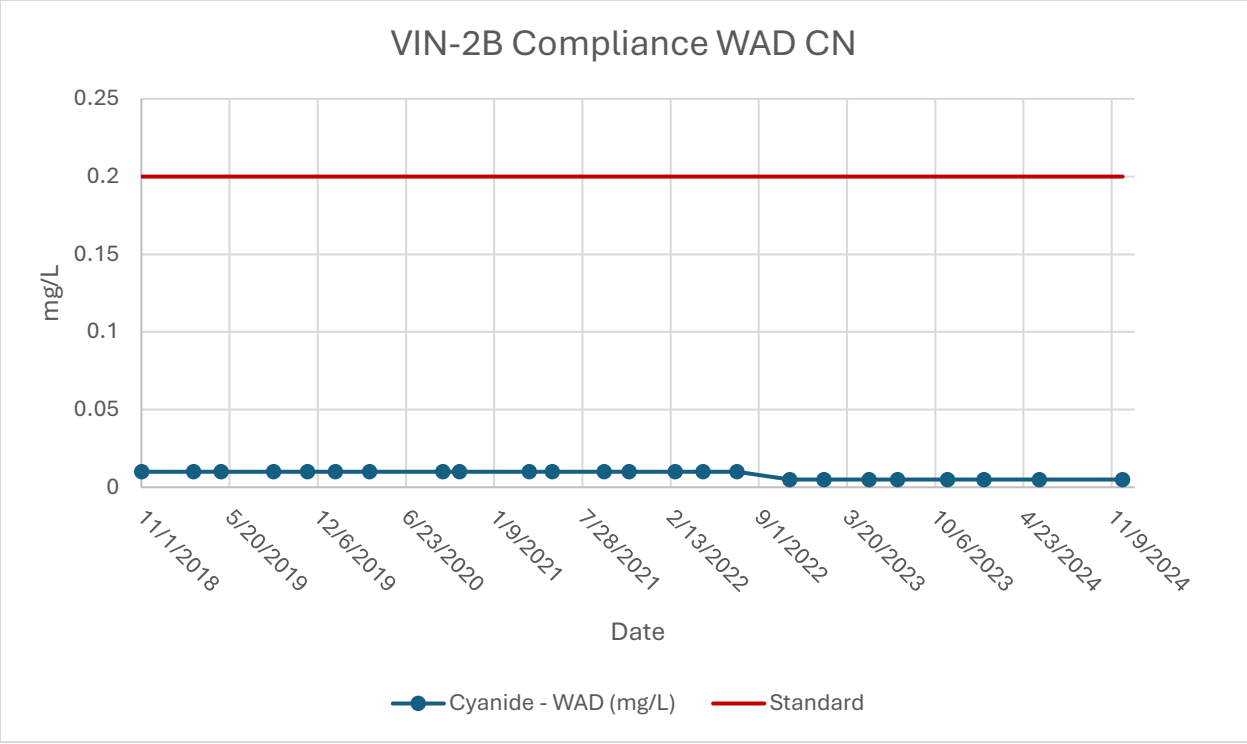

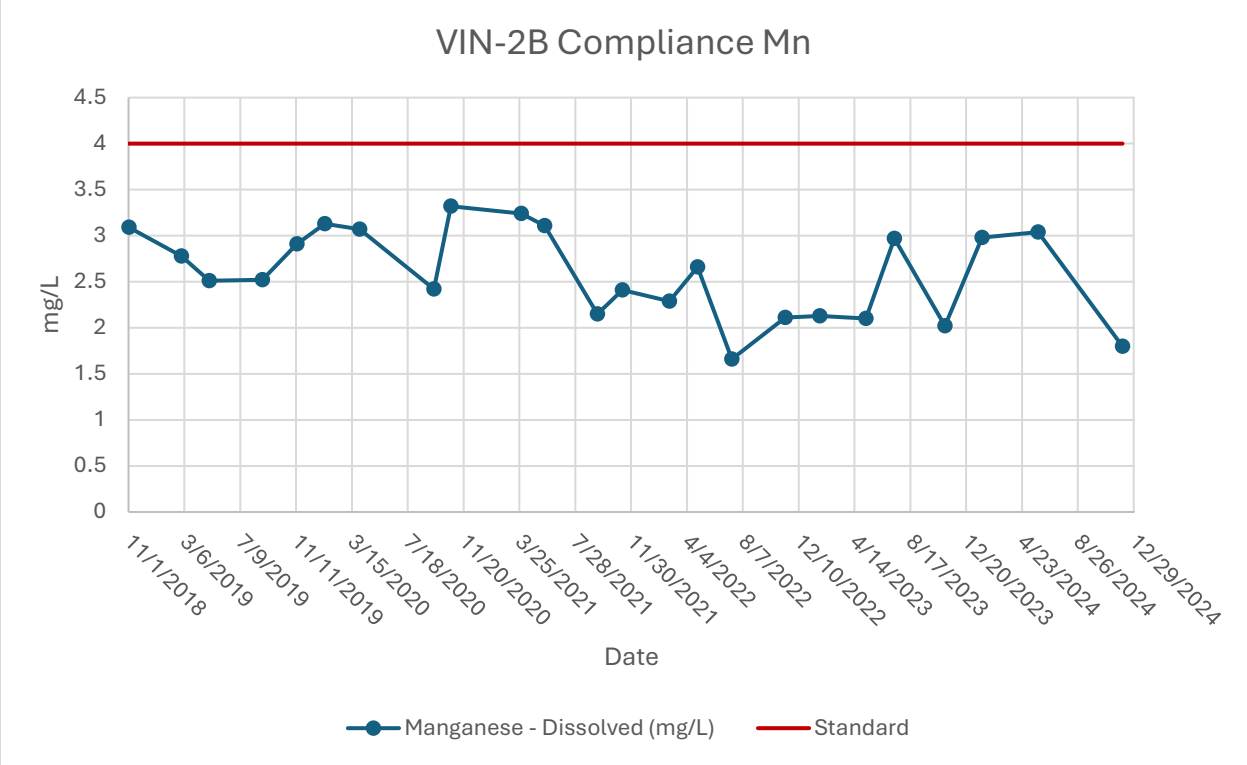

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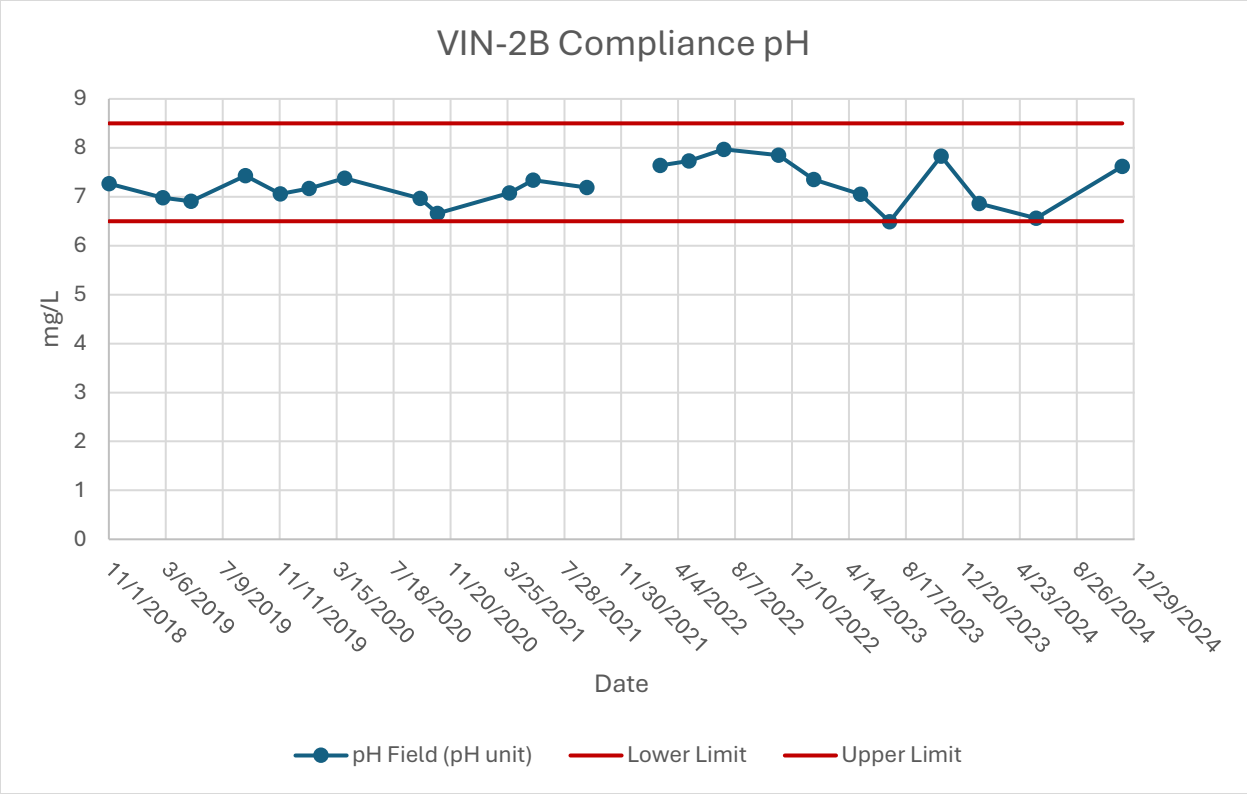

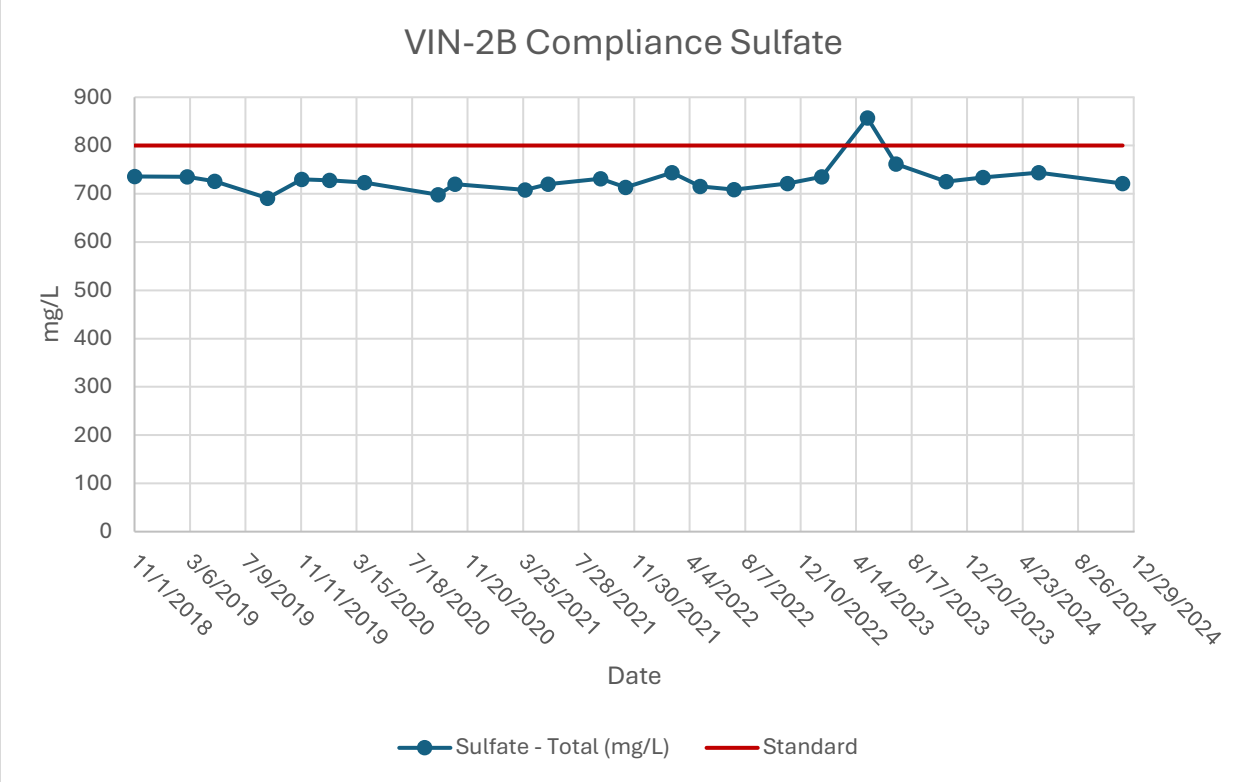

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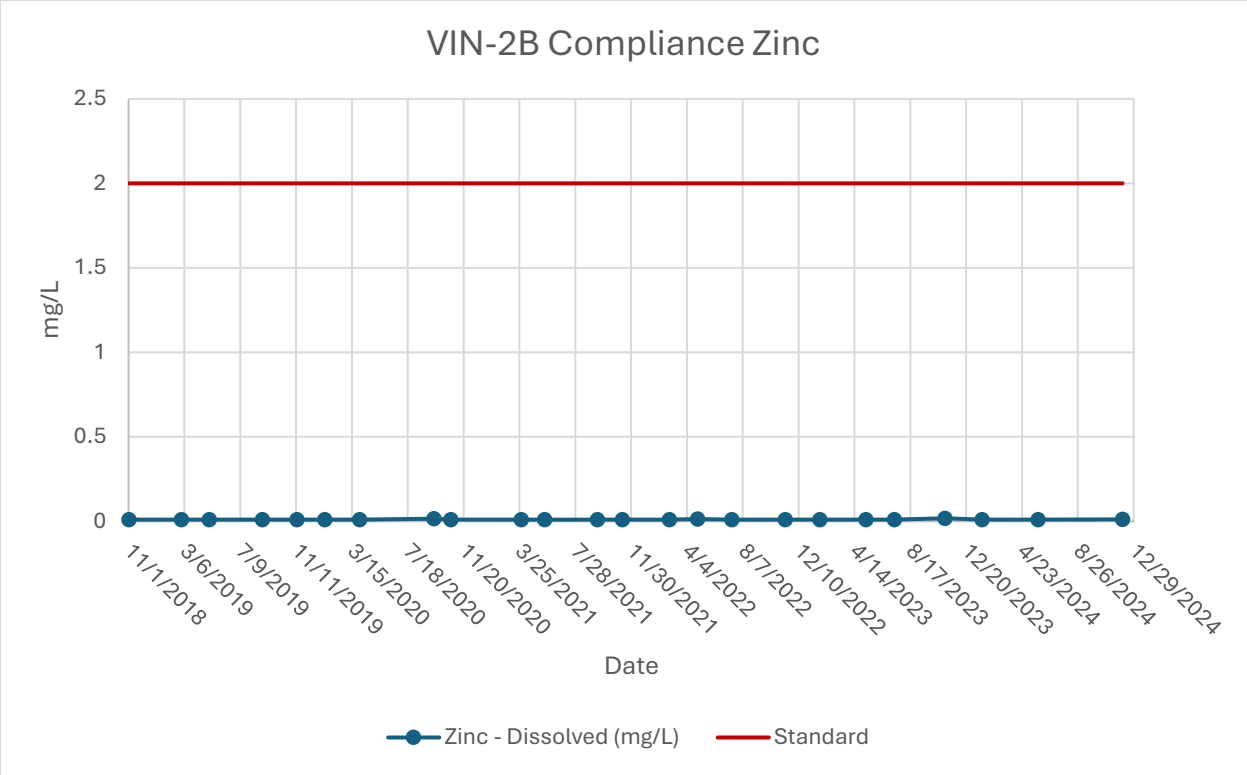

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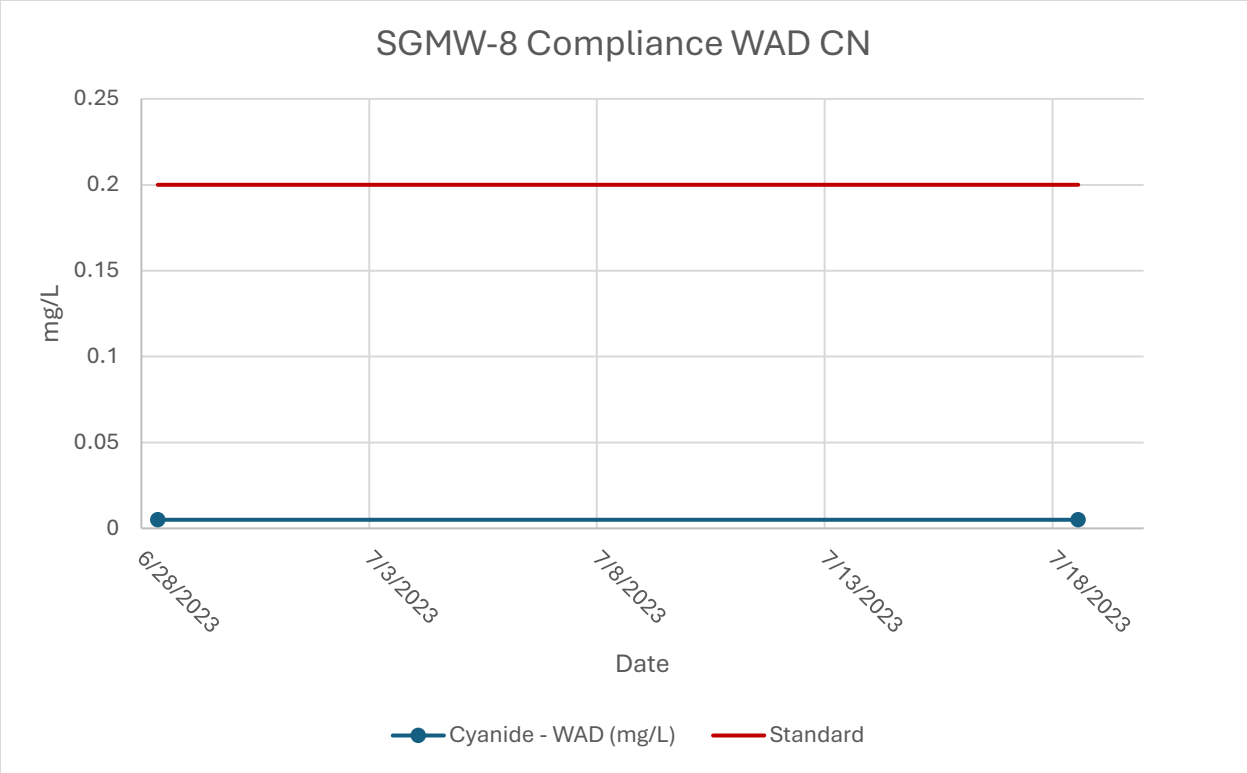

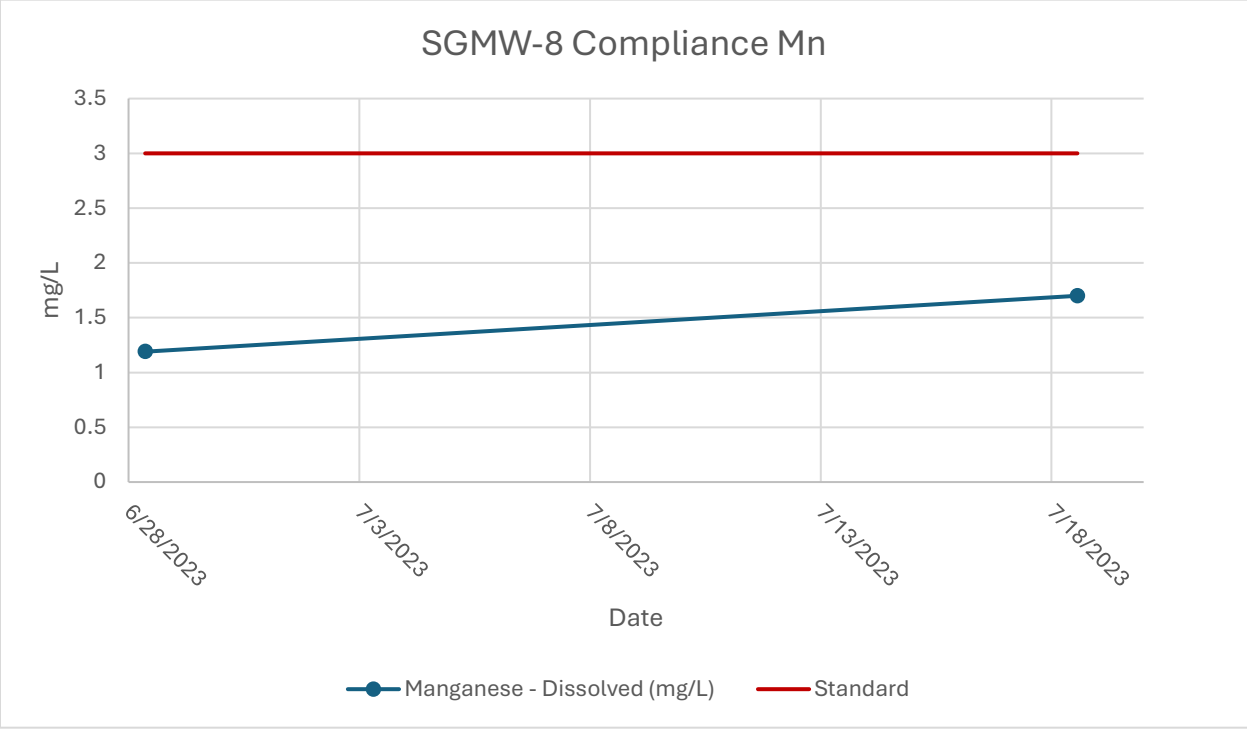

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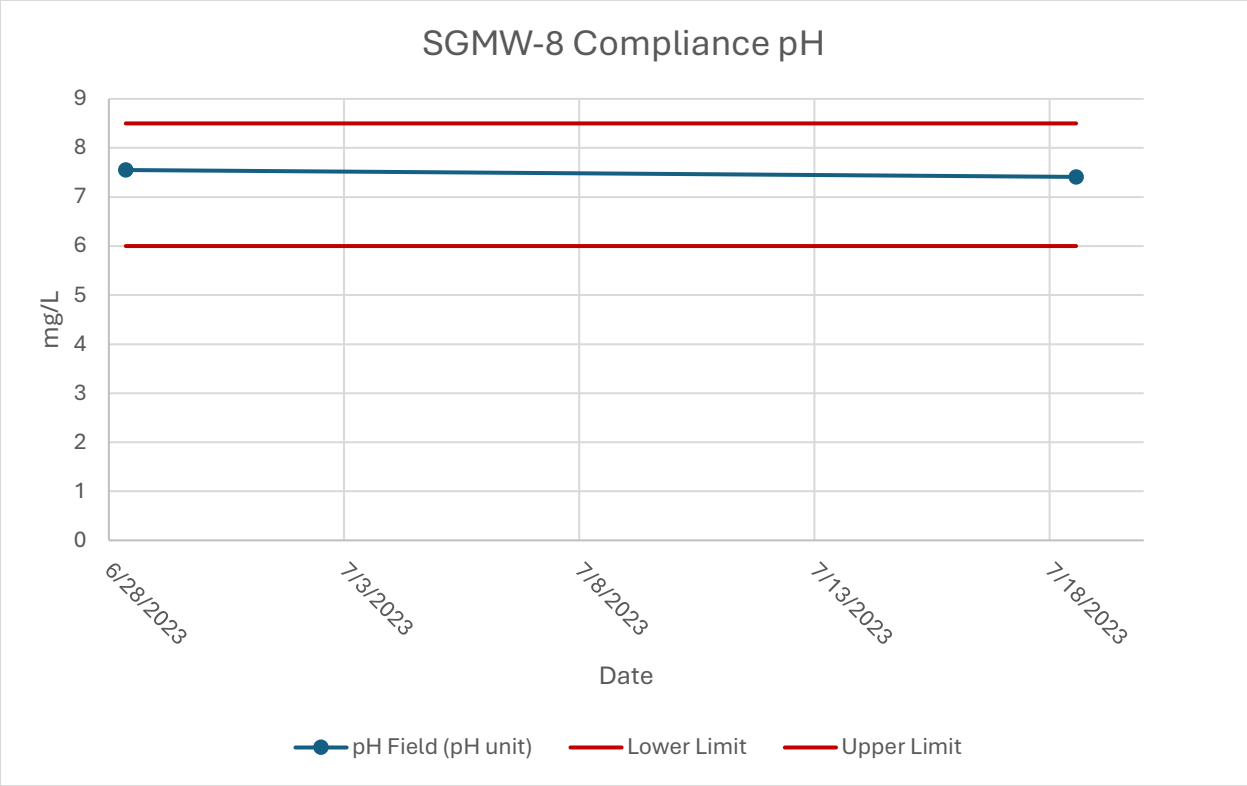

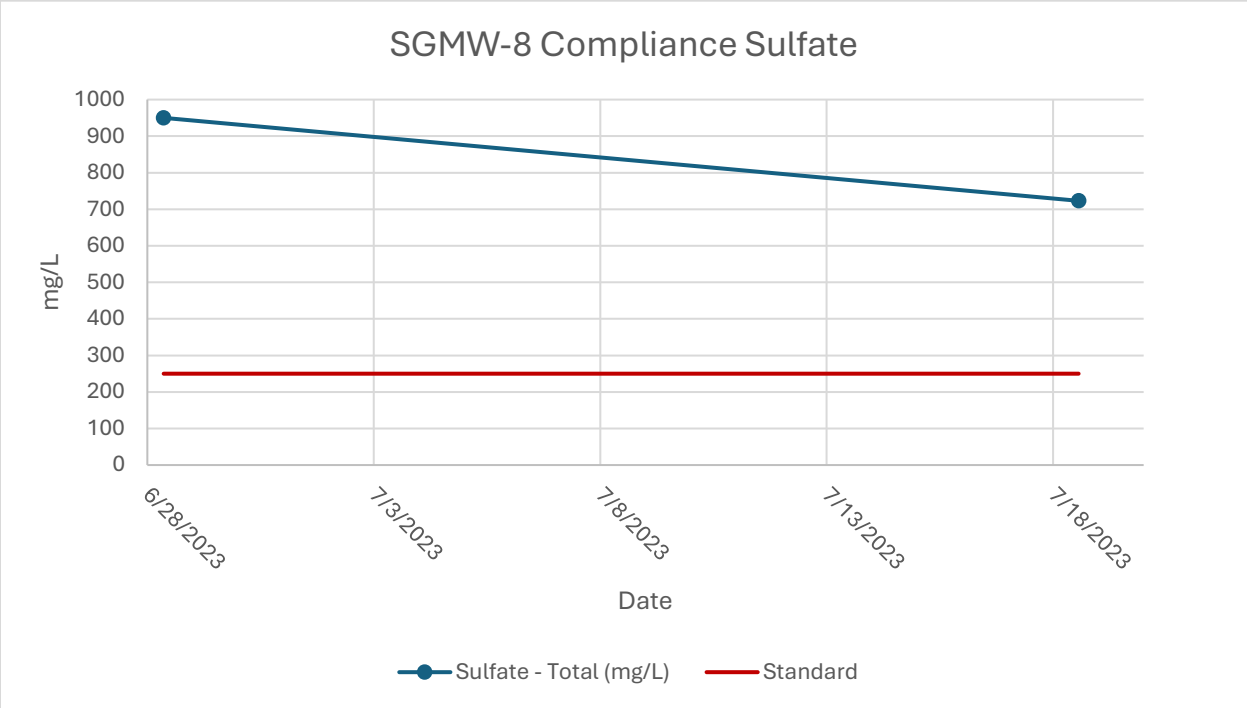

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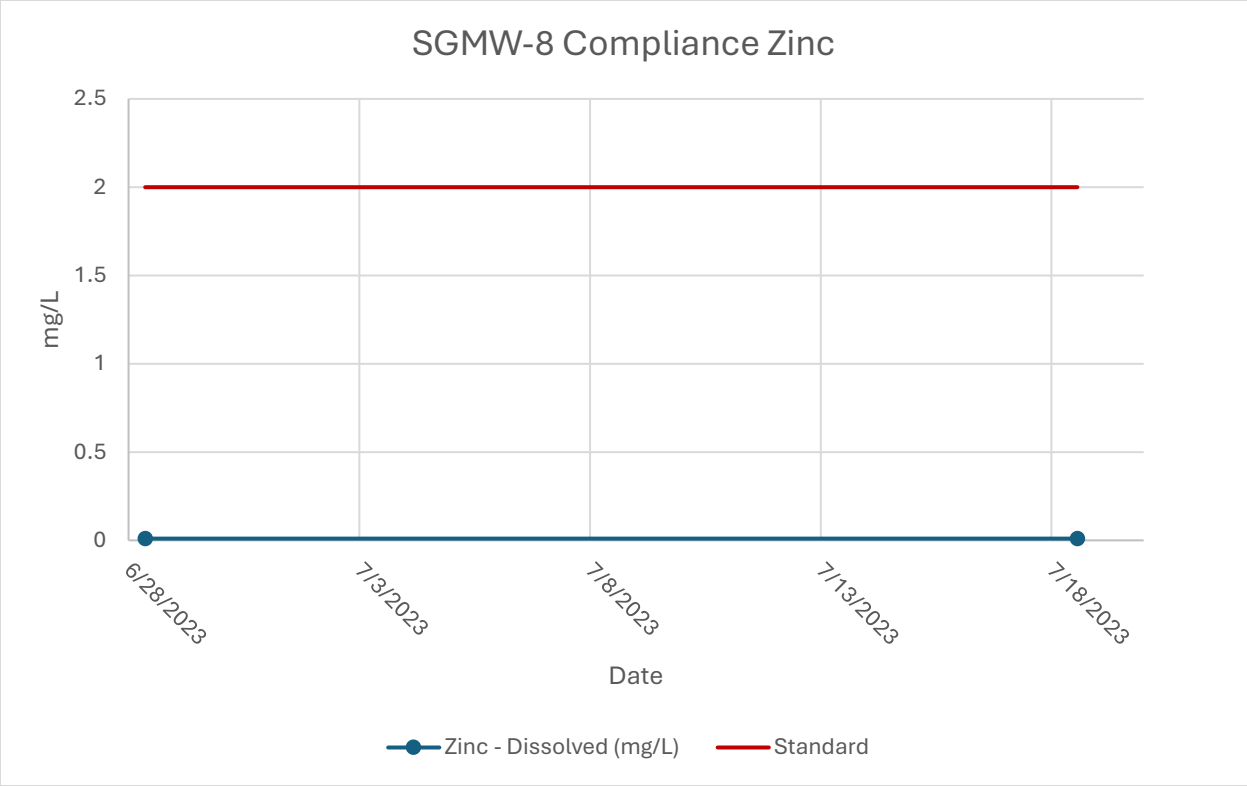

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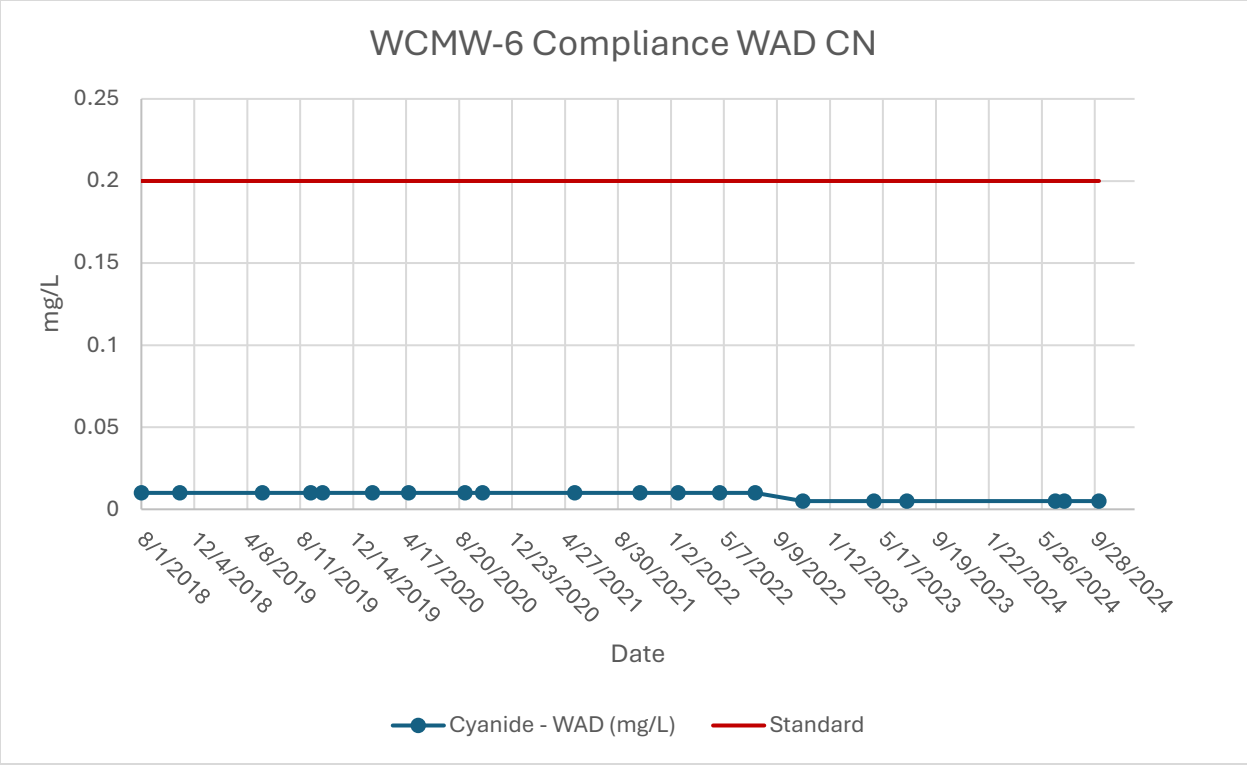

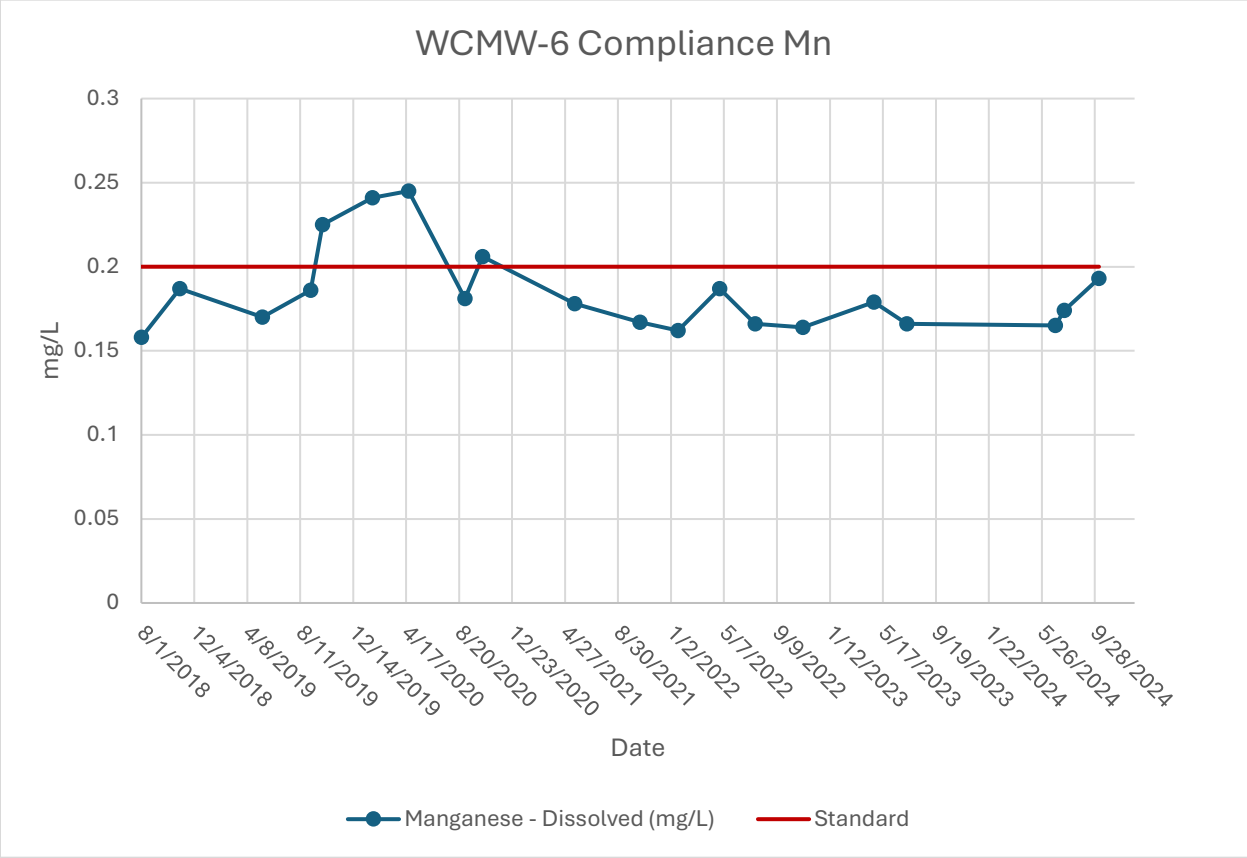

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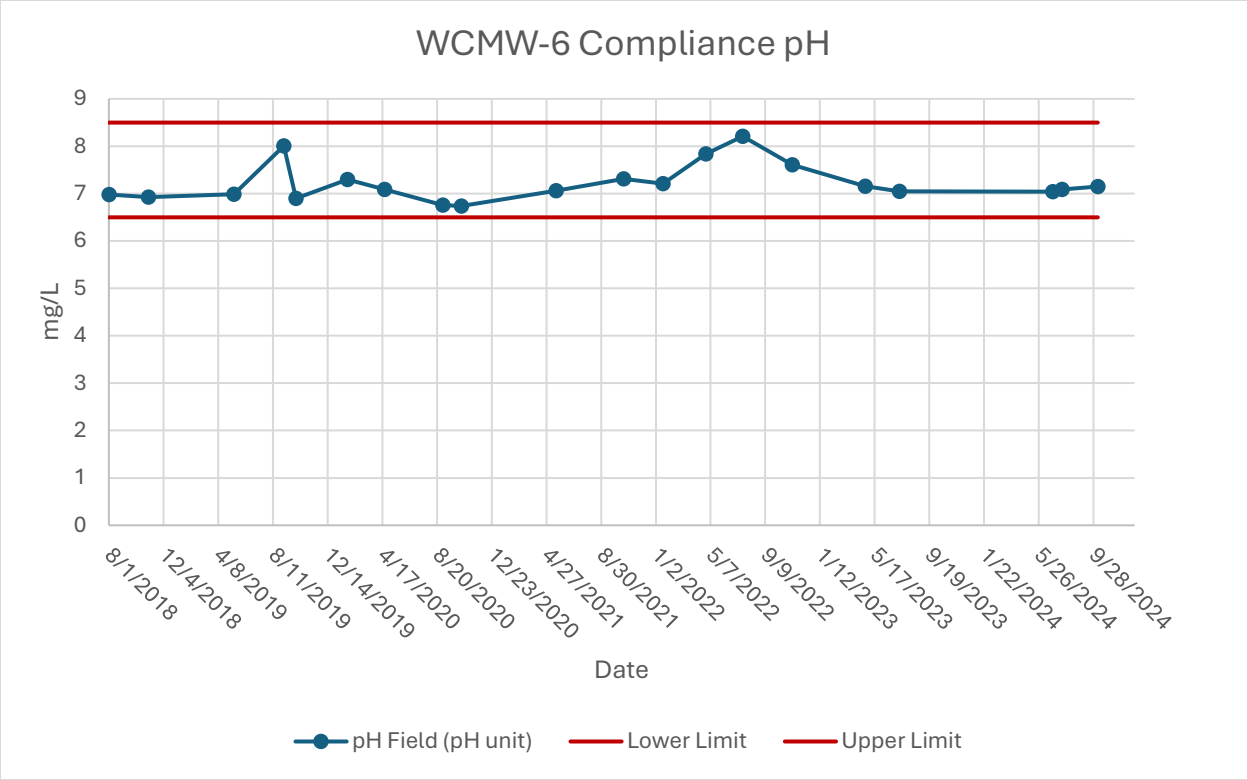

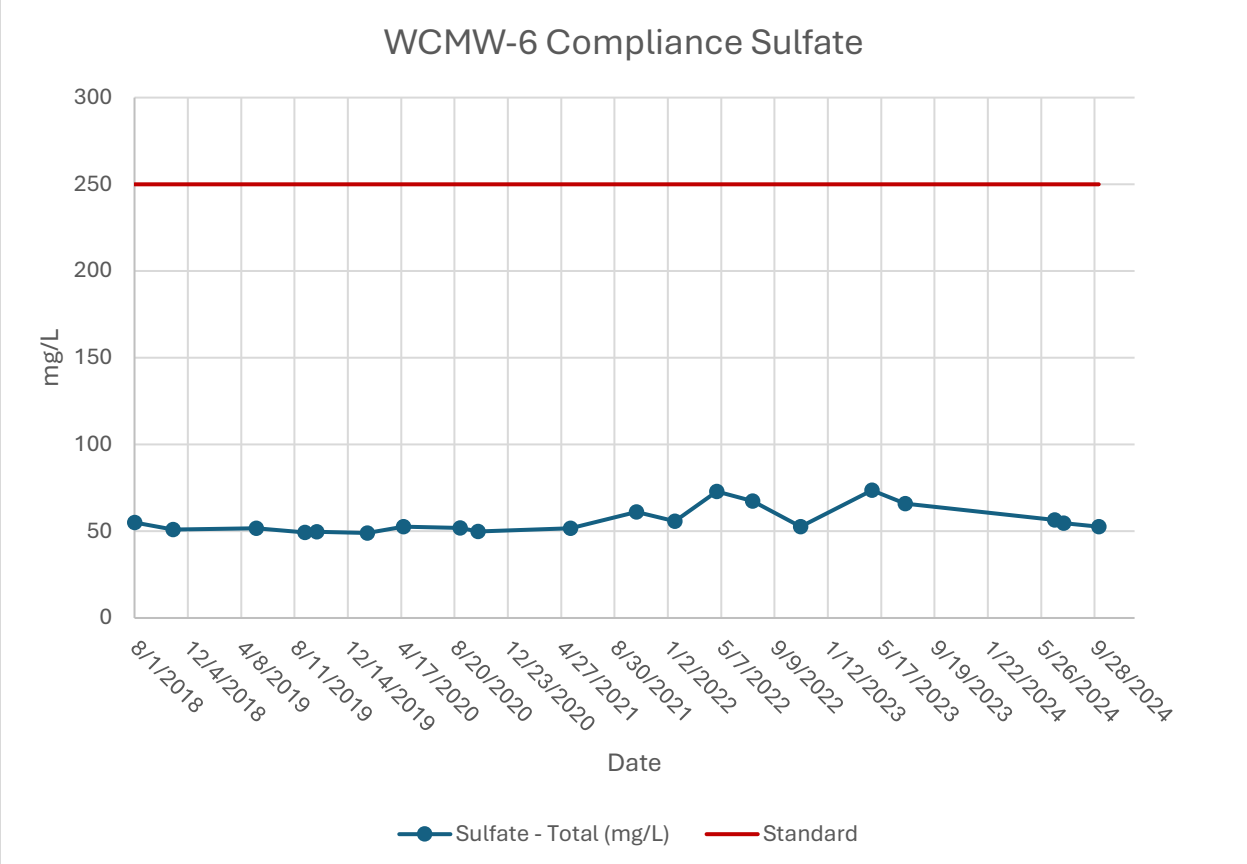

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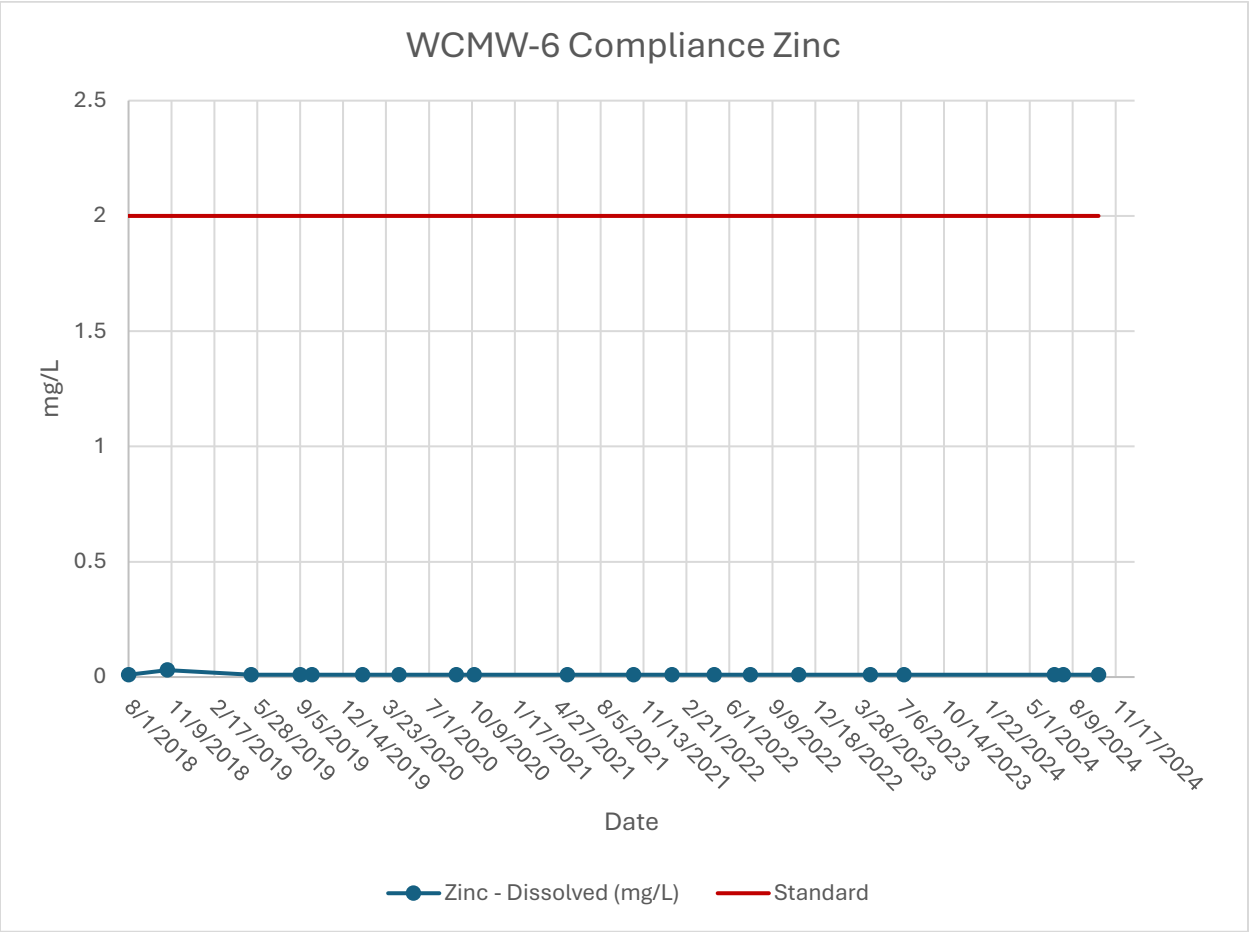

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