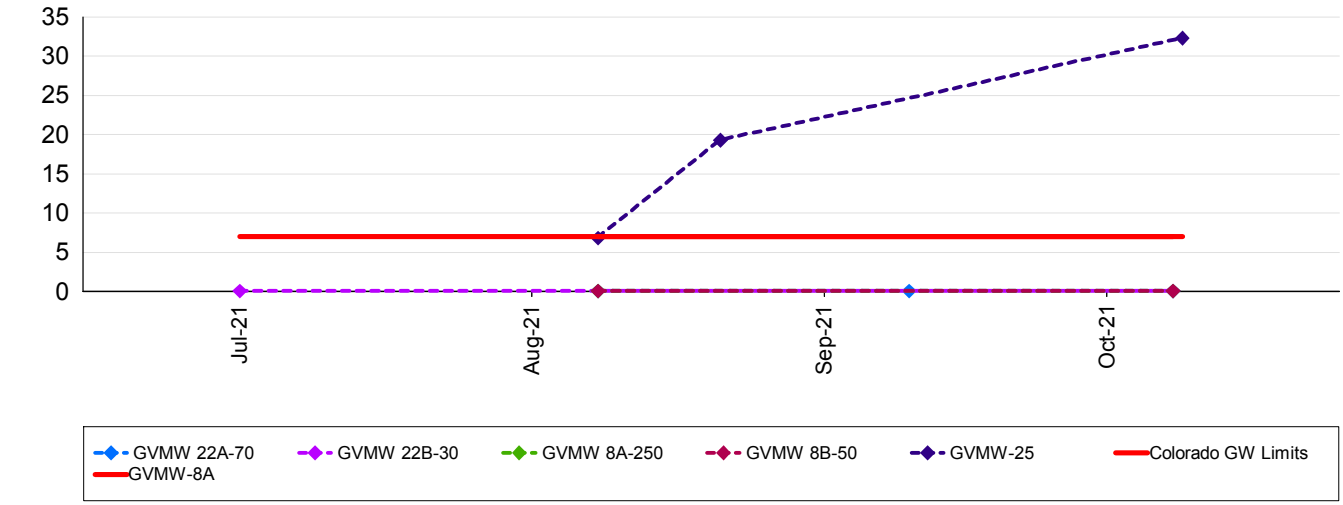
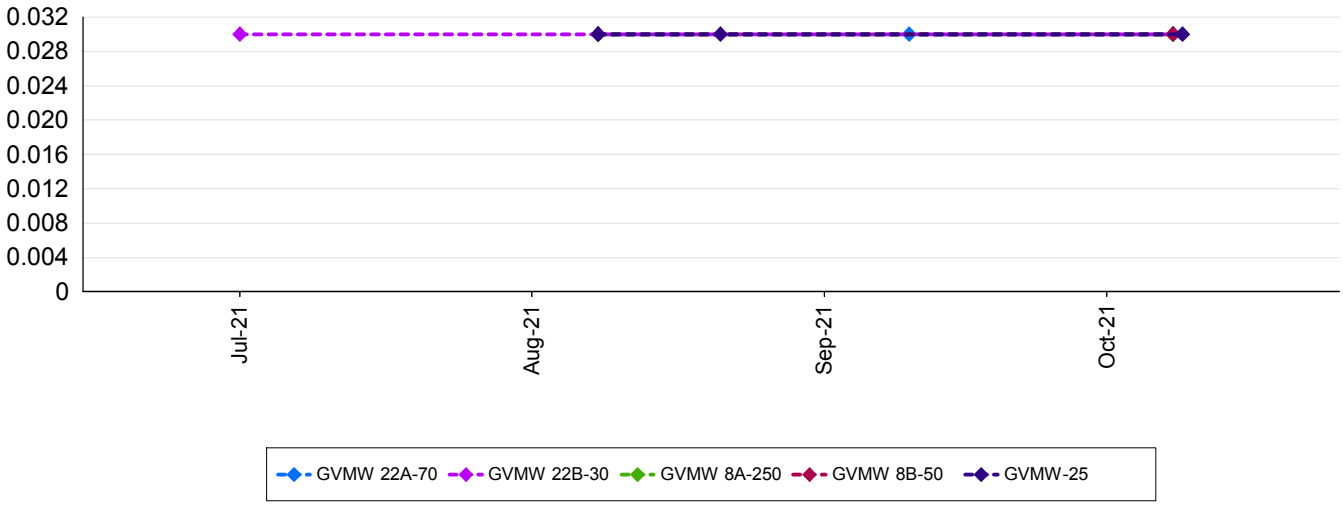
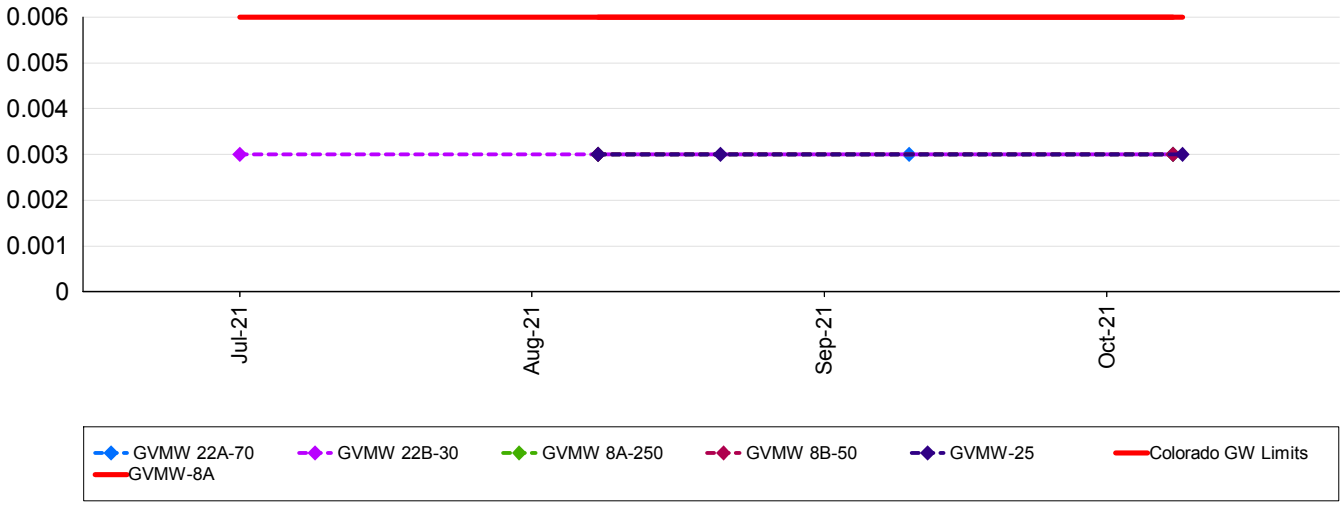
: Aluminium - Dissolved (mg/L)

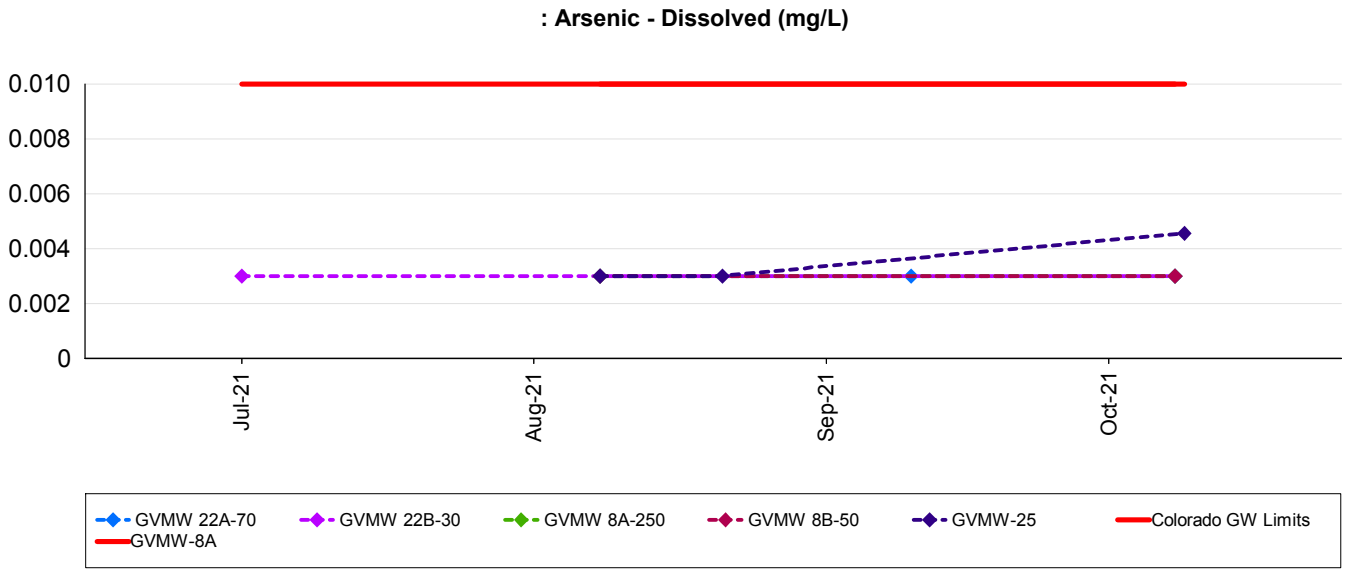


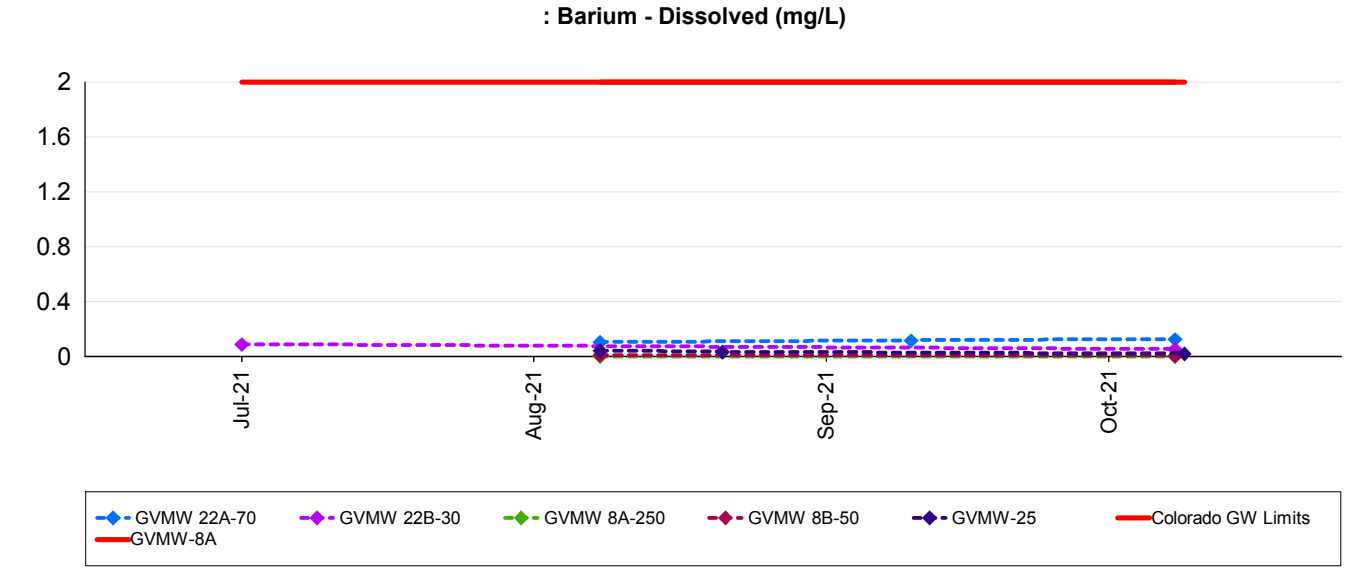
: Ammonia (mg/L)

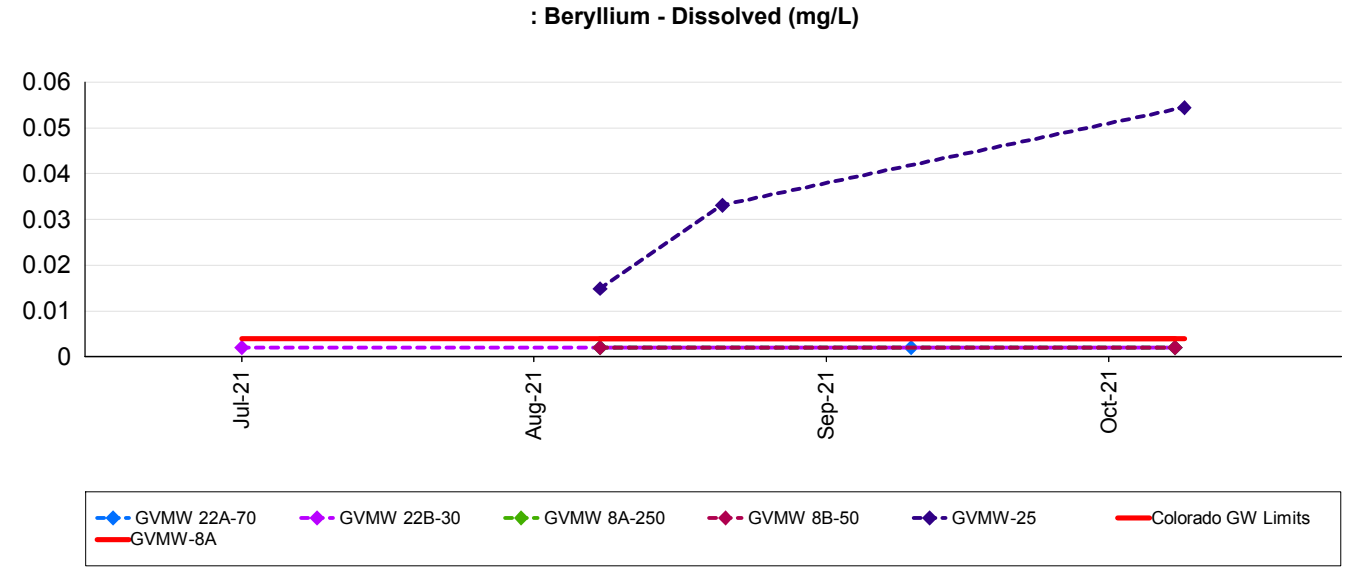


: Antimony - Dissolved (mg/L)

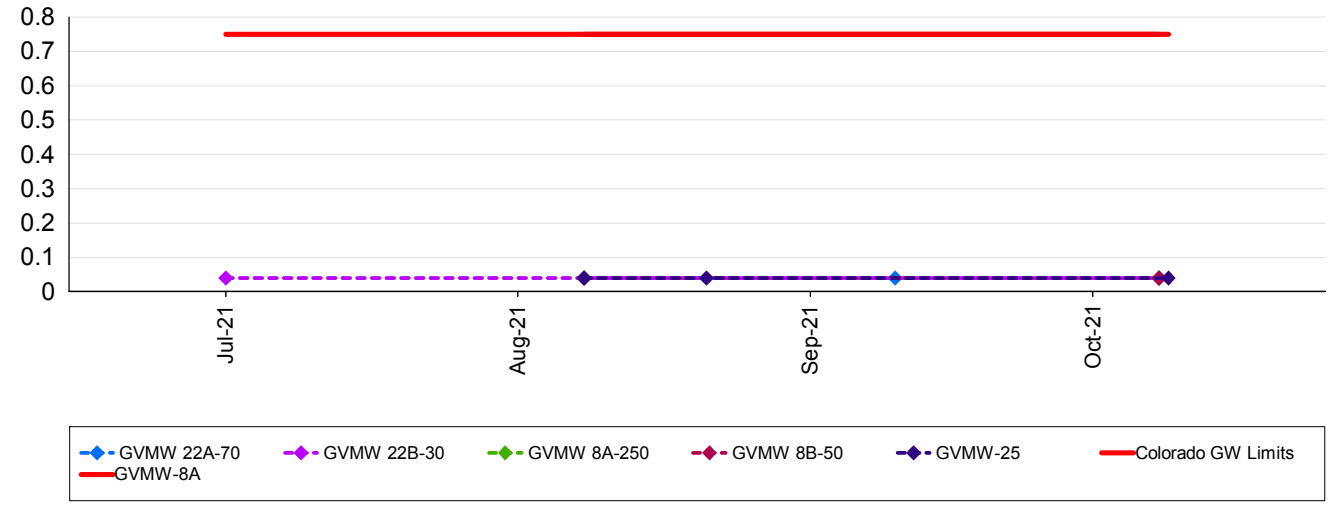



: Arsenic - Dissolved (mg/L)
0.010
0.008
0.006
0.004
0.002
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A

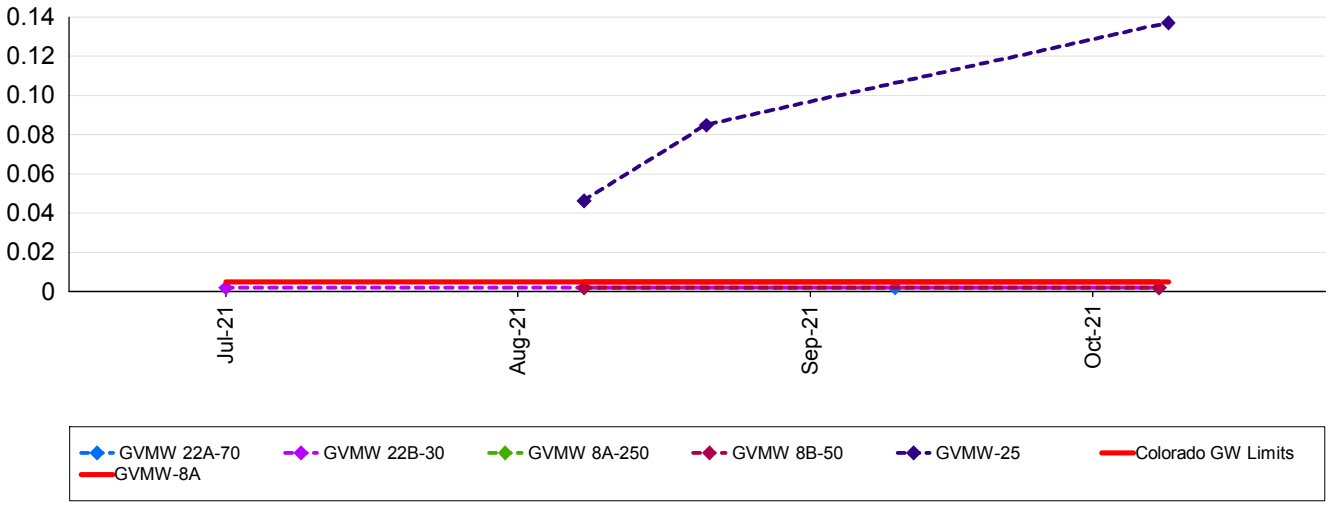

: Barium - Dissolved (mg/L)
2
1.6
1.2
0.8
0.4
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A


: Beryllium - Dissolved (mg/L)
0.06
0.05
0.04
0.03
0.02
0.01
0
Jul-21
Aug-21
Sep-21
Oct-21
GVMW 22A-70
GVMW 22B-30
GVMW 8A-250
GVMW 8B-50
GVMW-25
Colorado GW Limits
GVMW-8A

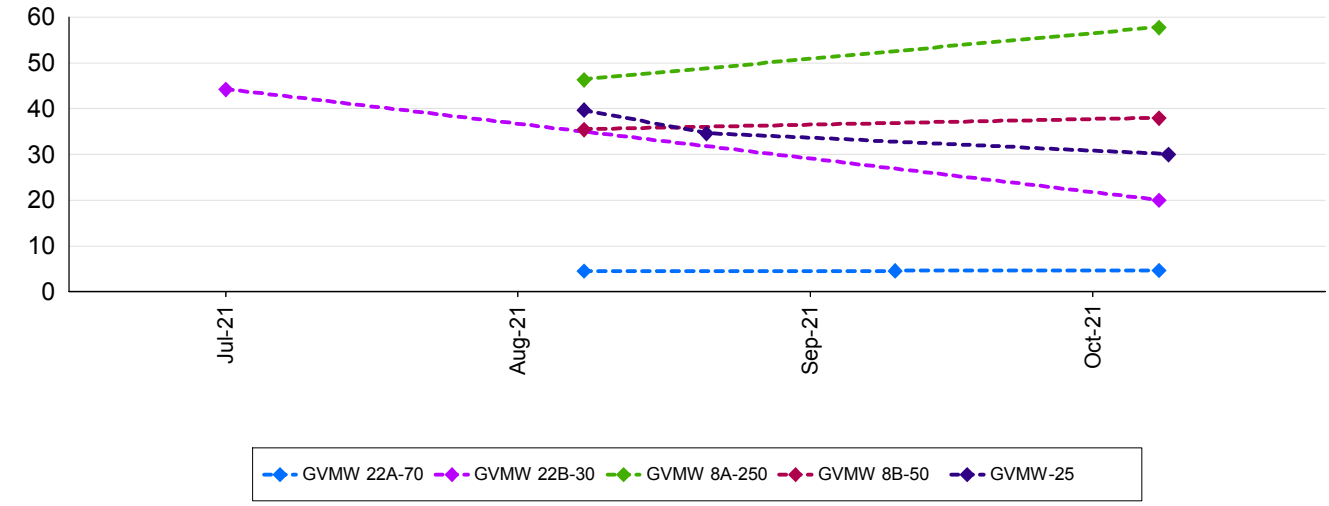
: Boron - Dissolved (mg/L)



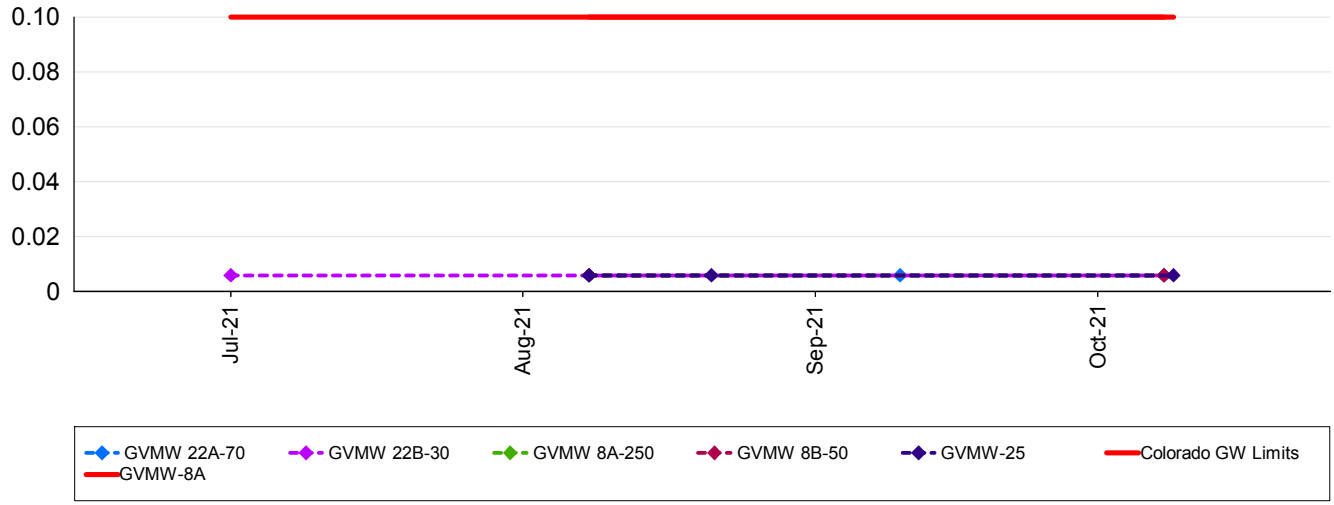
: Cadmium - Dissolved (mg/L)



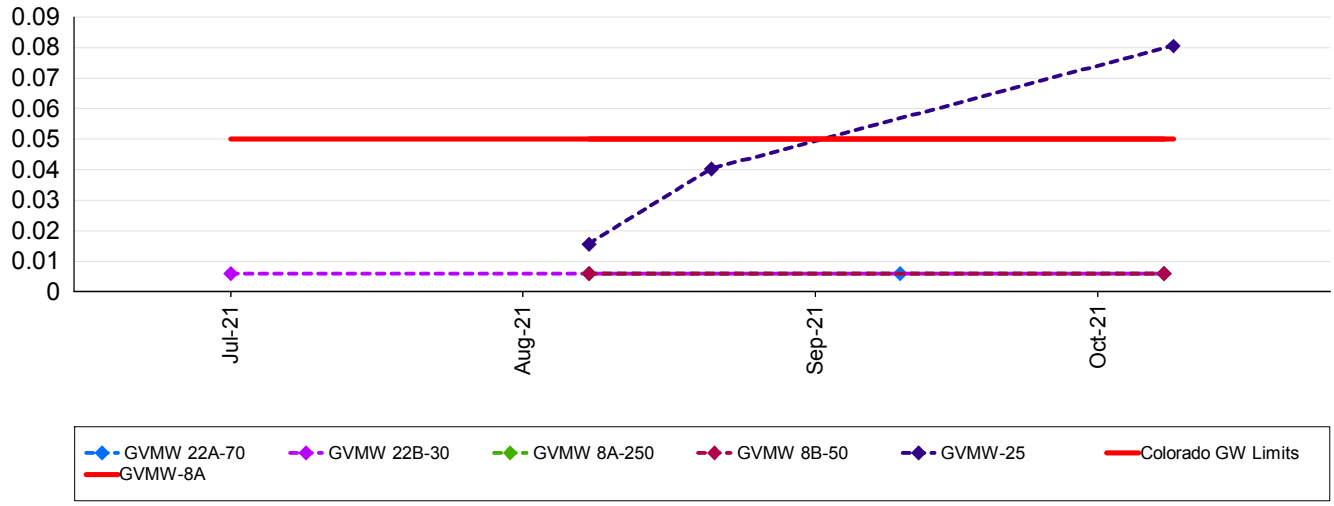
: Chloride - Total (mg/L)



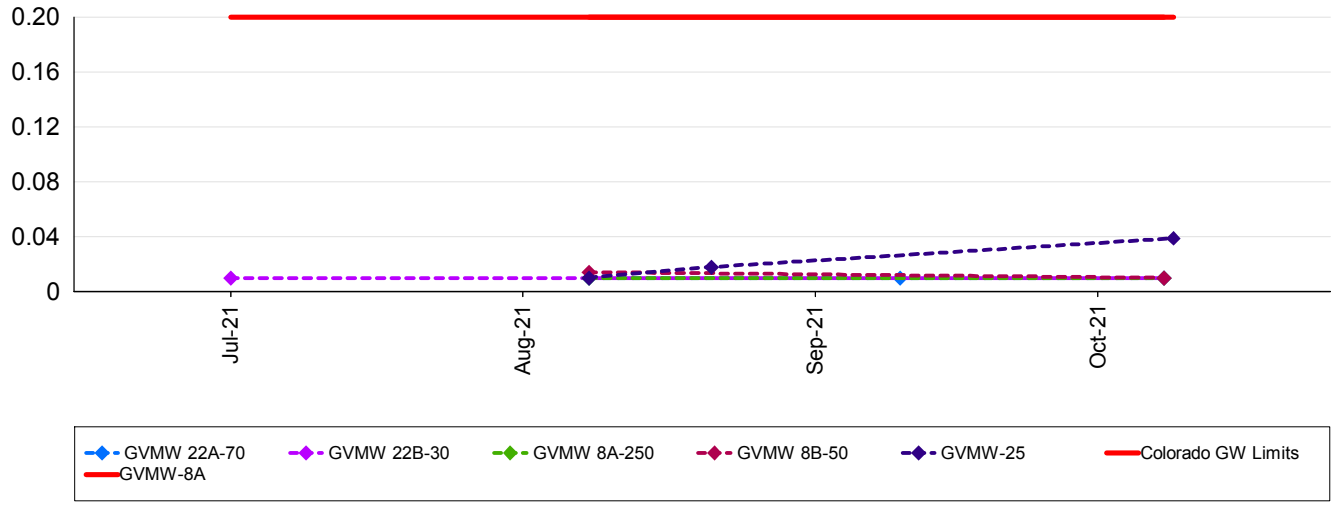
: Chromium - Dissolved (mg/L)



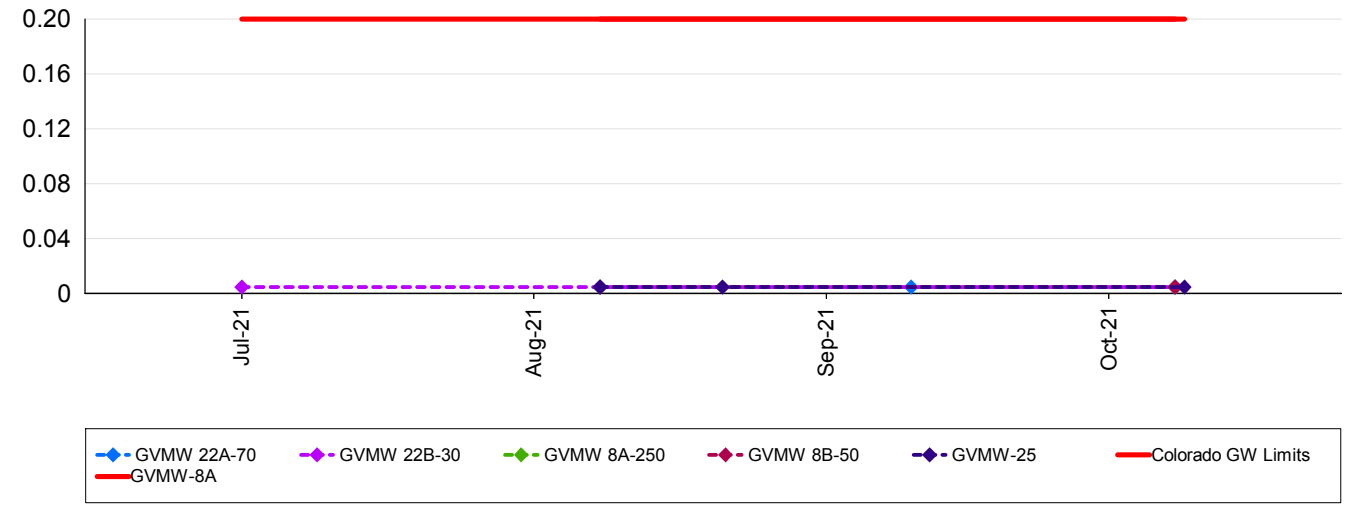
: Cobalt - Dissolved (mg/L)



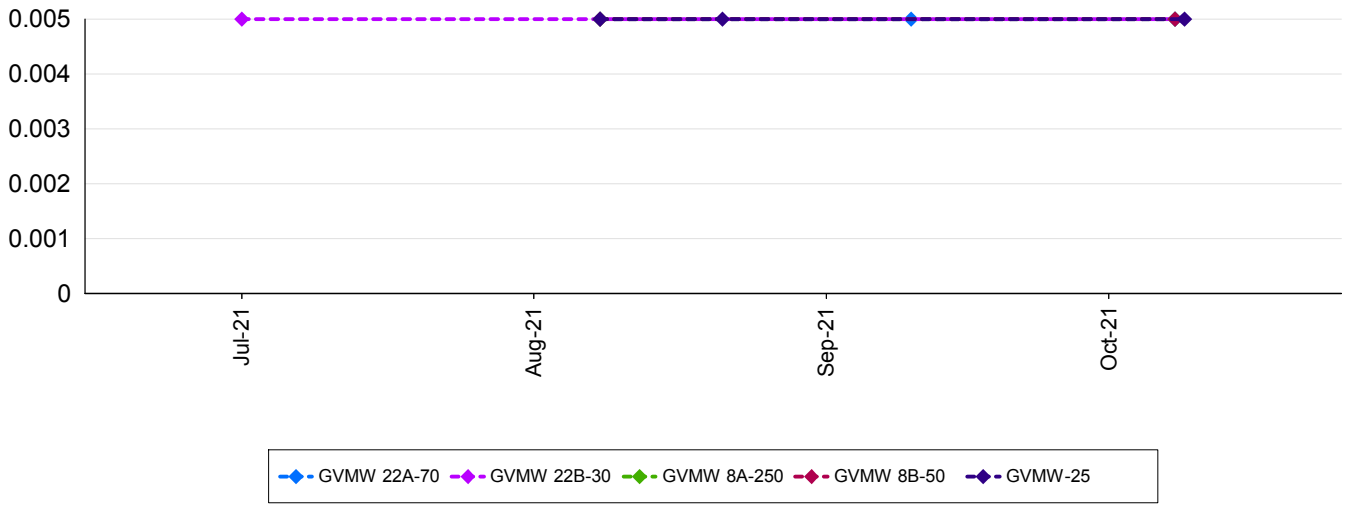
: Copper - Dissolved (mg/L)



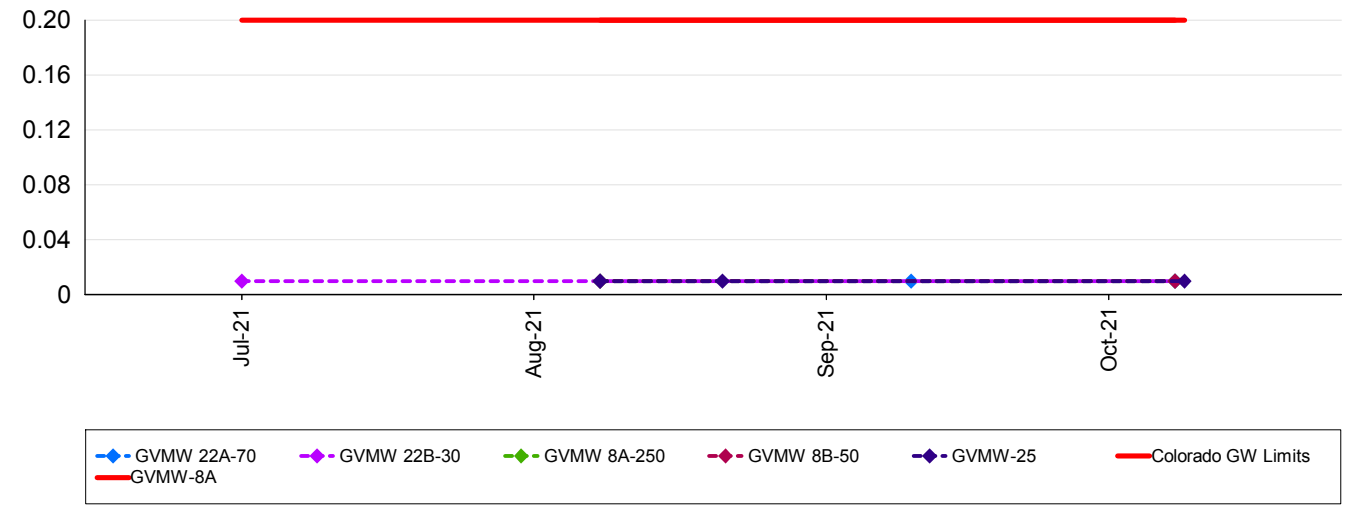
: Cyanide - Free (mg/L)



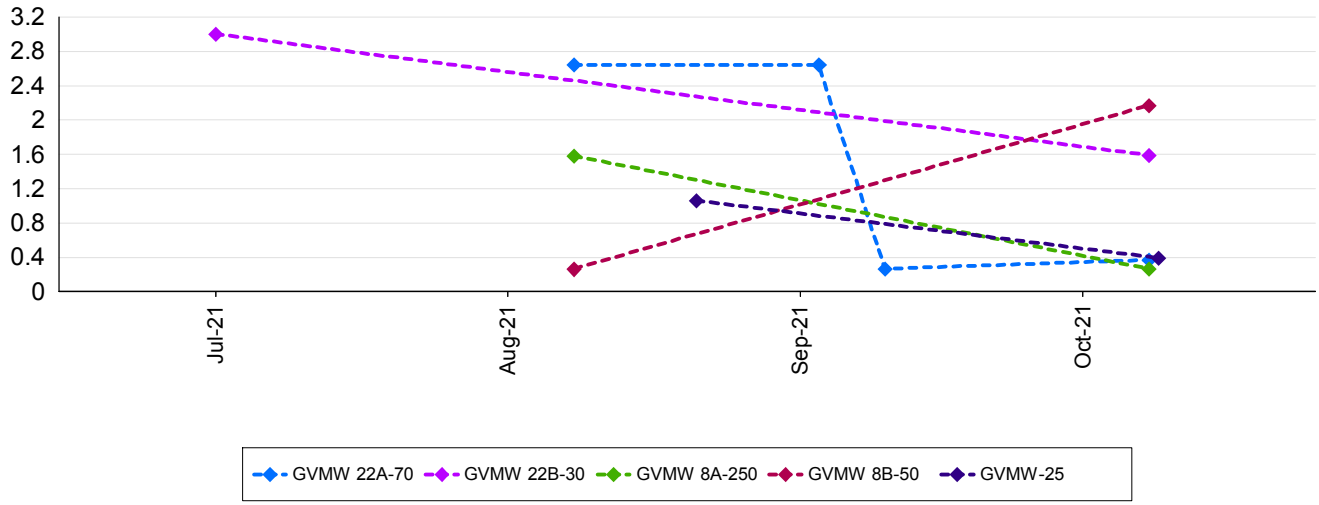
: Cyanide - Total (mg/L)



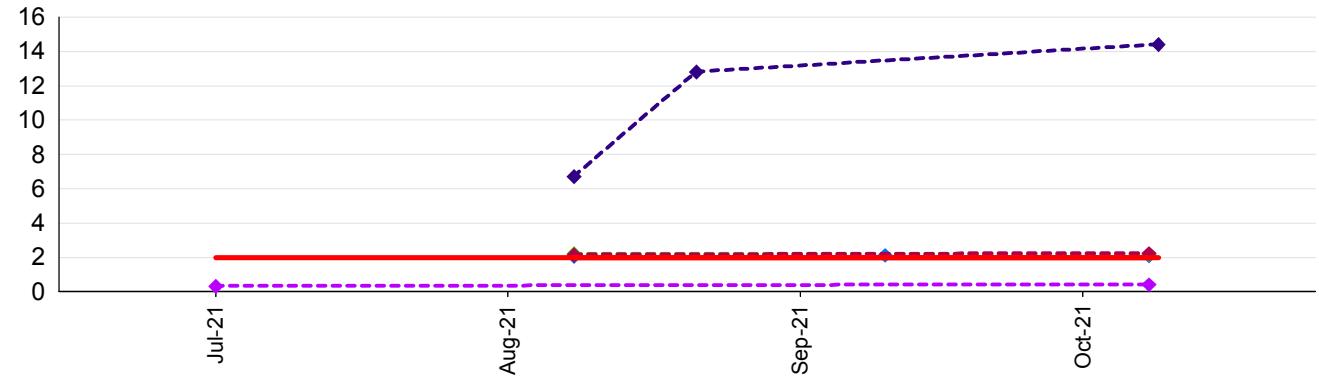
: Cyanide - WAD (mg/L)



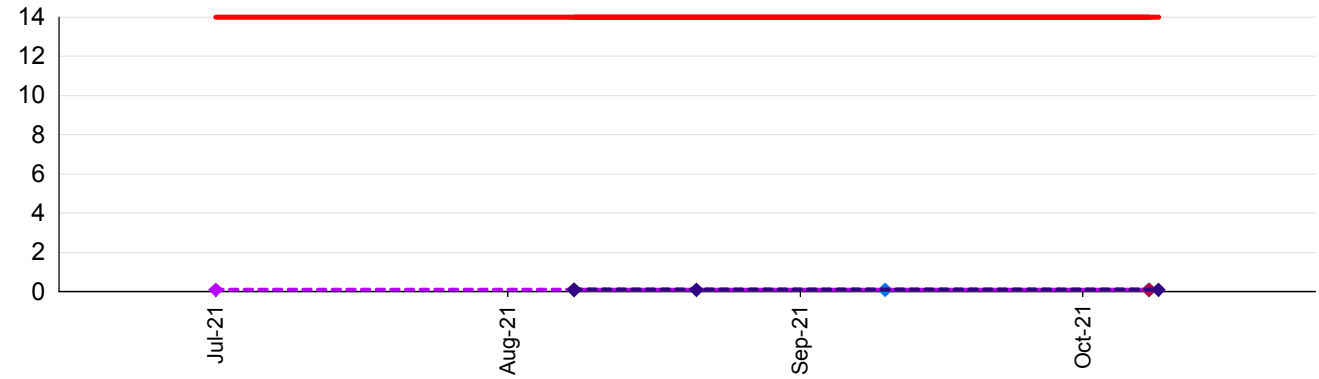
: Flow (gpm)



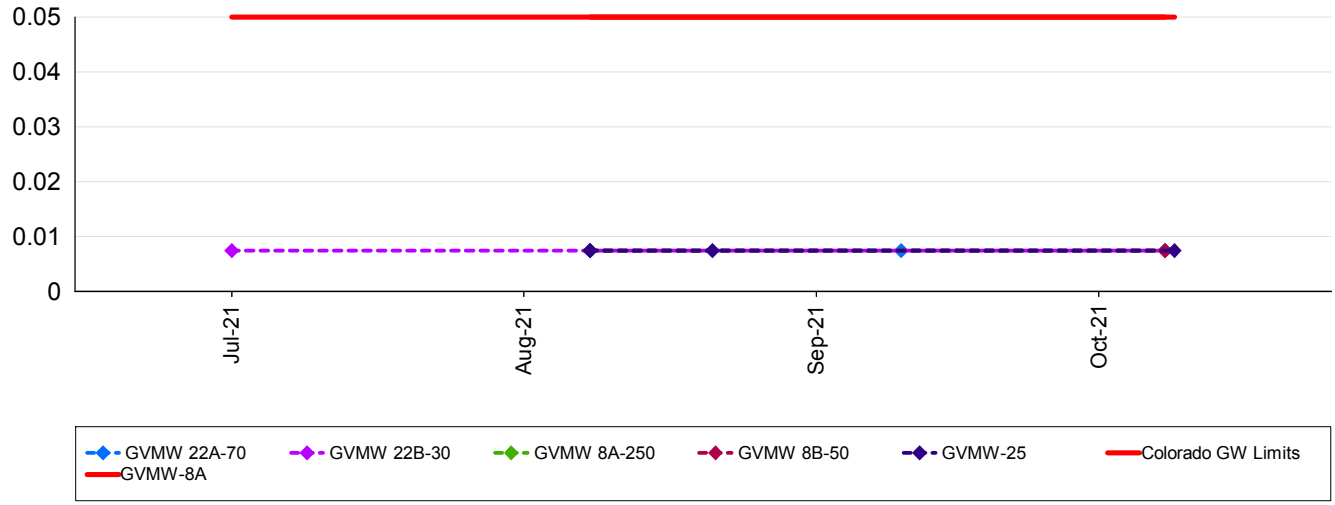
: Fluoride - Total F (mg/L)



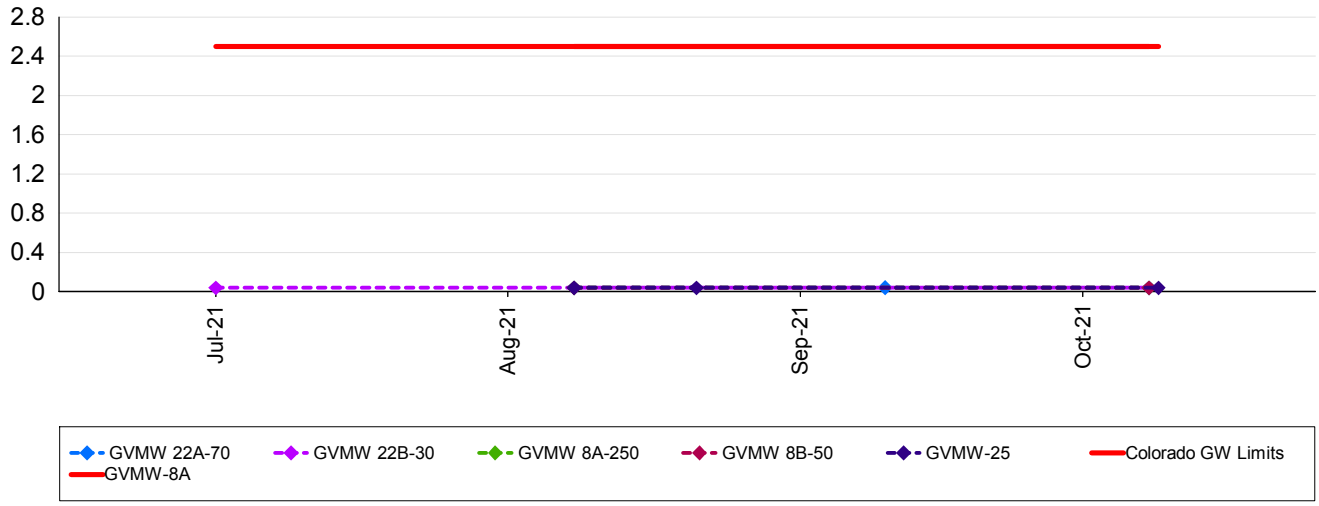
: Iron - Dissolved (mg/L)



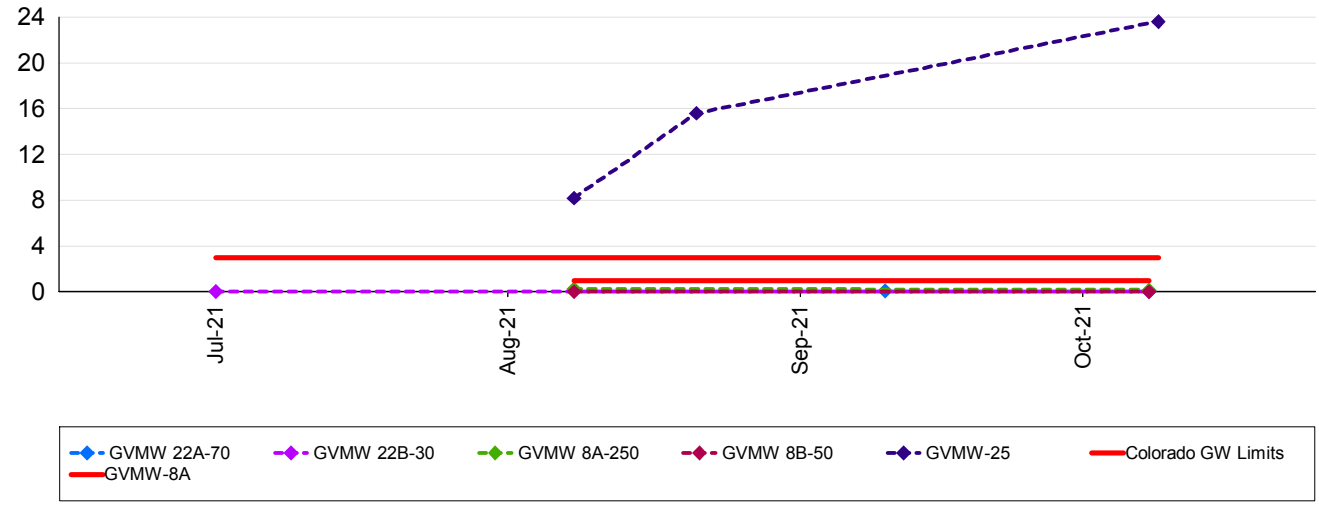
: Lead - Dissolved (mg/L)



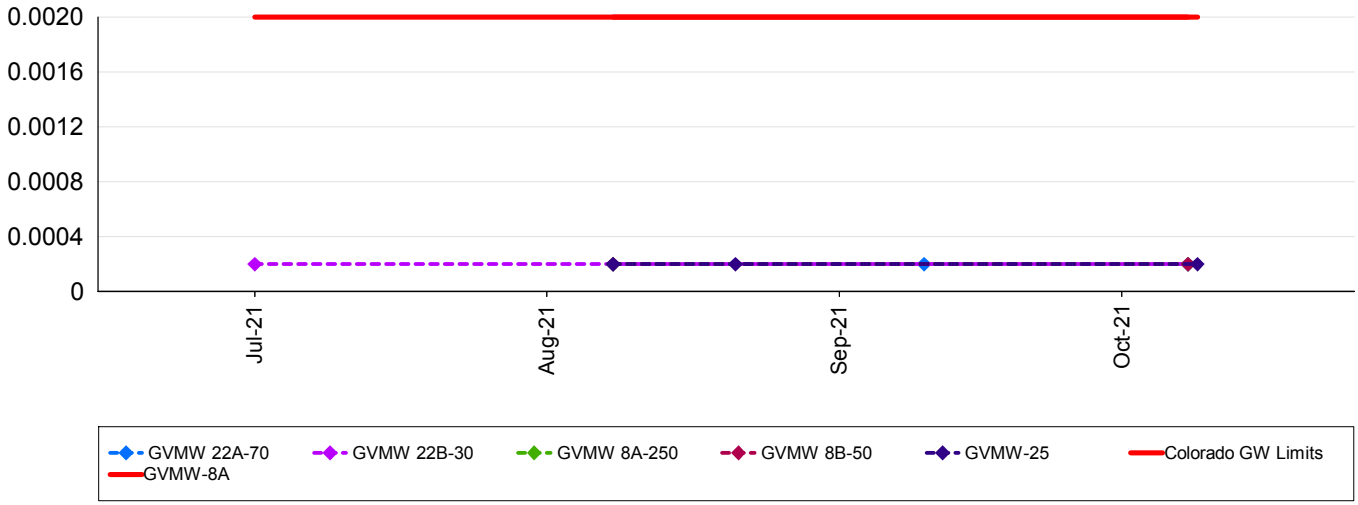
: Lithium - Dissolved (mg/L)



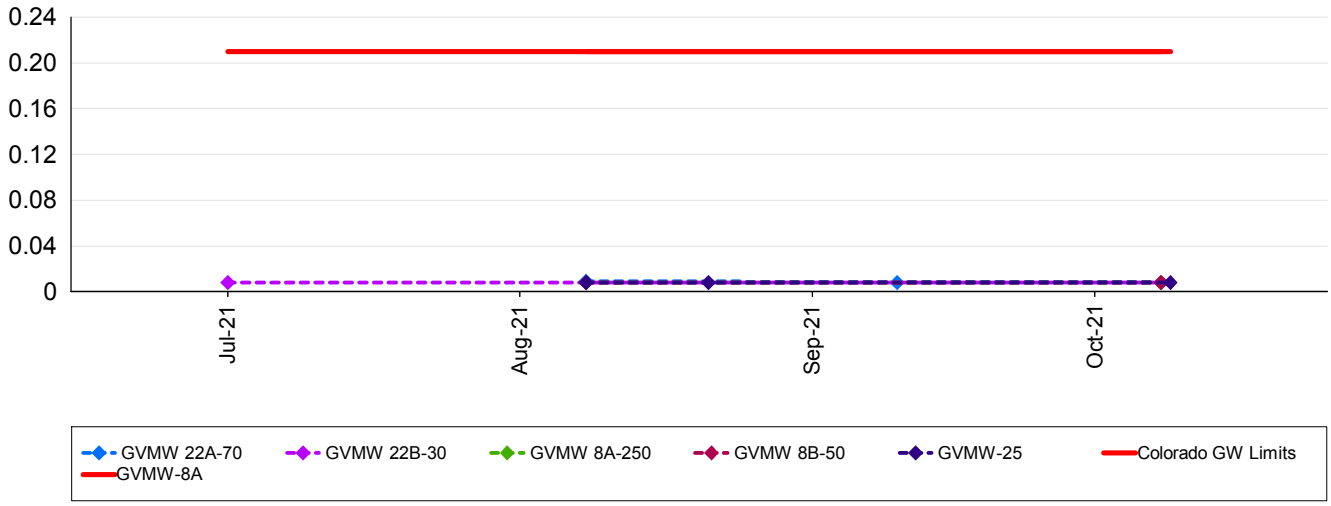
: Manganese - Dissolved (mg/L)



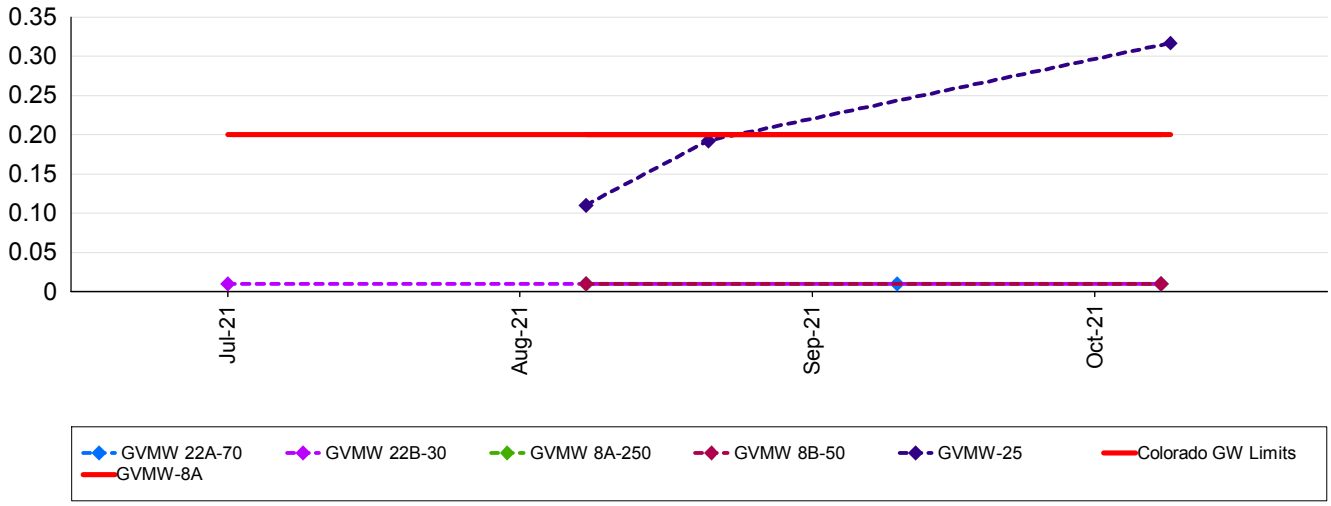
: Mercury - Dissolved (mg/L)



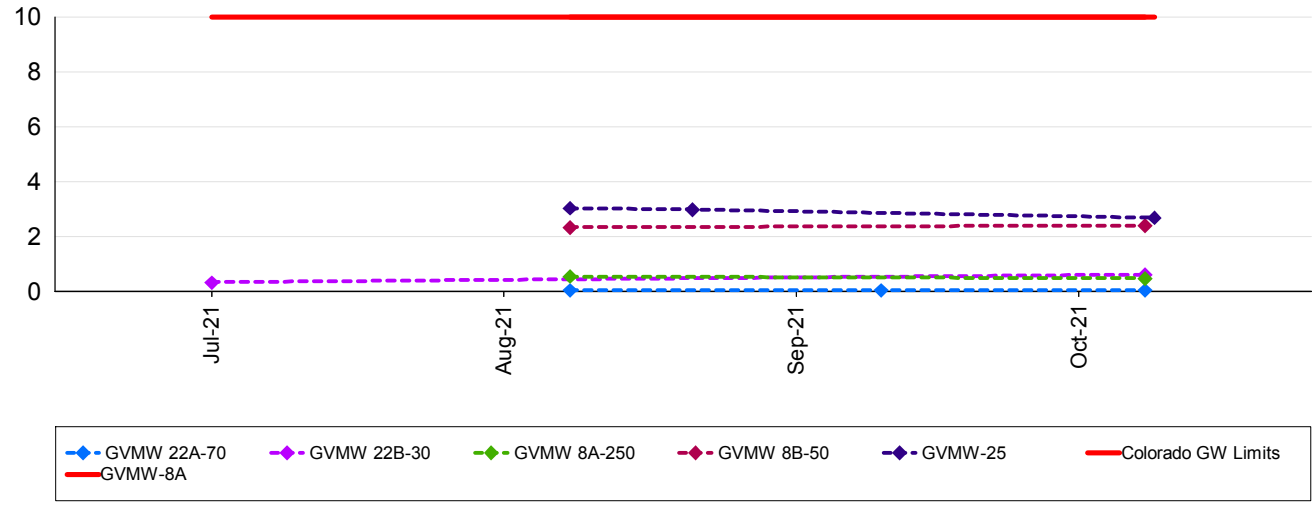
: Molybdenum - Dissolved (mg/L)



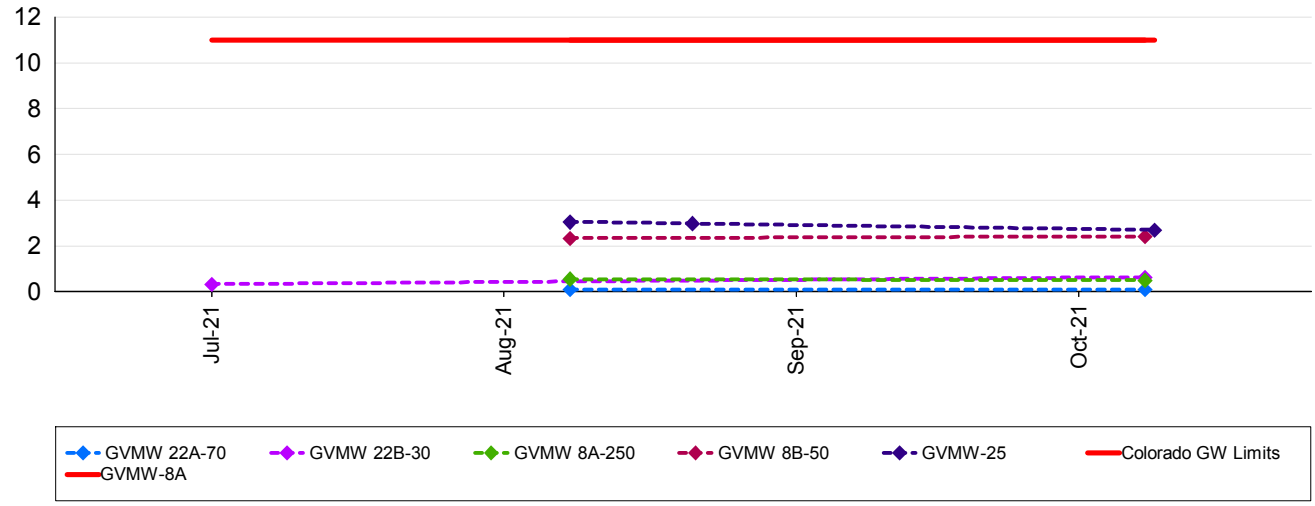
: Nickel - Dissolved (mg/L)



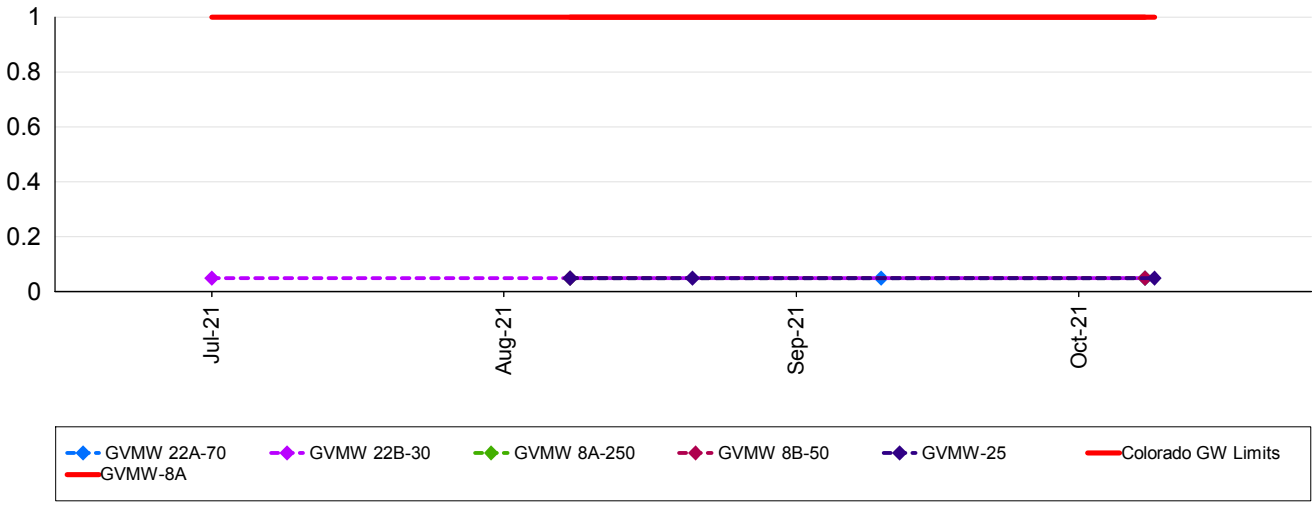
: Nitrate as Nitrogen (mg/L)



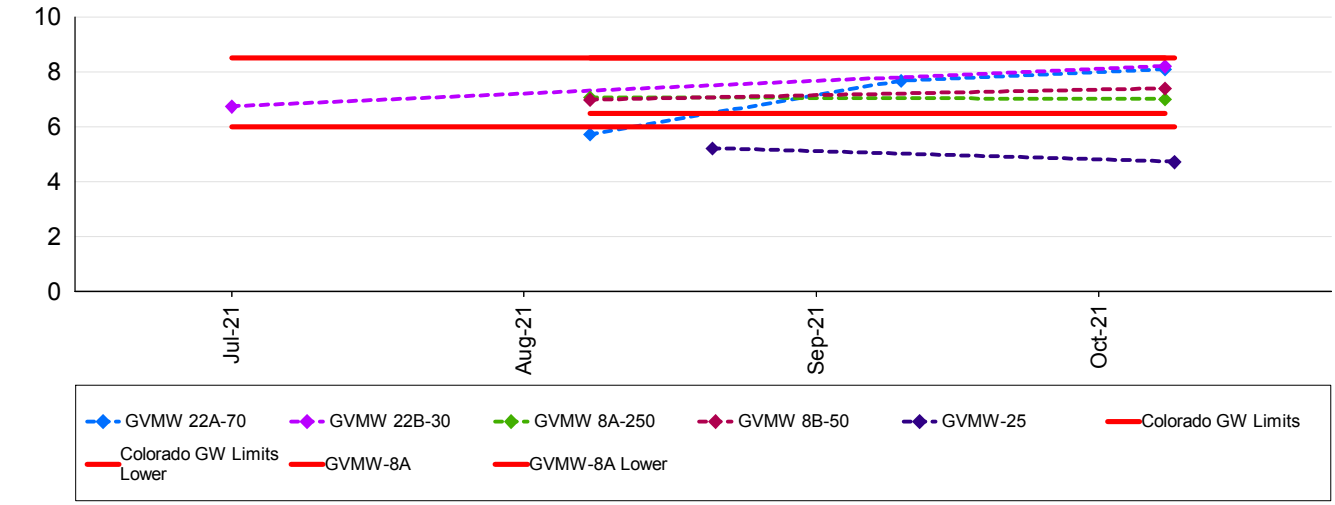
: Nitrite + Nitrate as Nitrogen (mg/L)



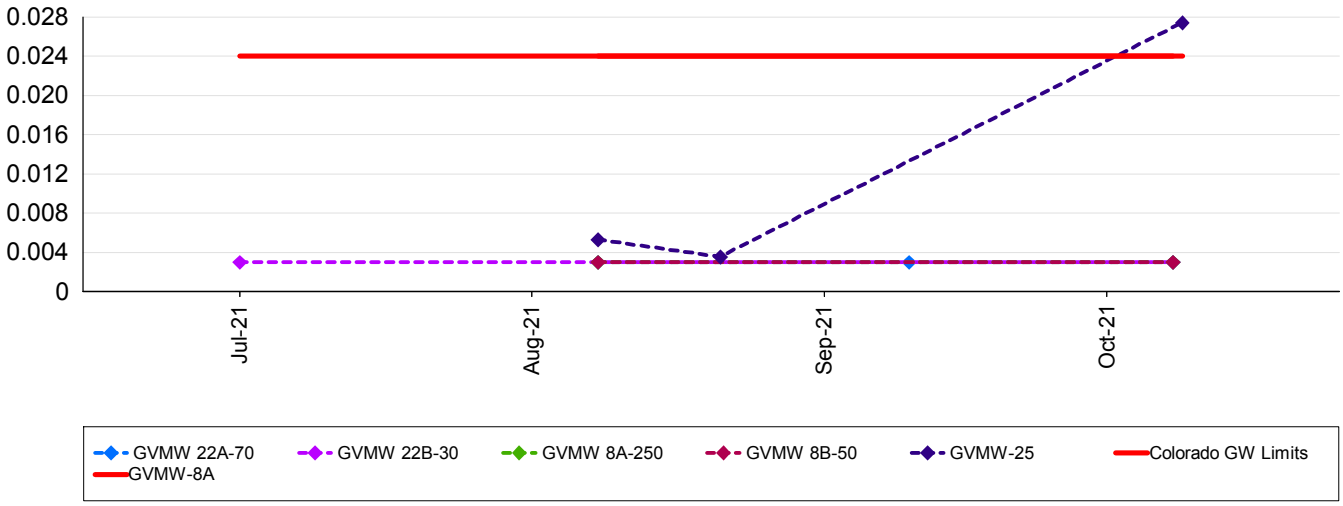
: Nitrite as Nitrogen (mg/L)



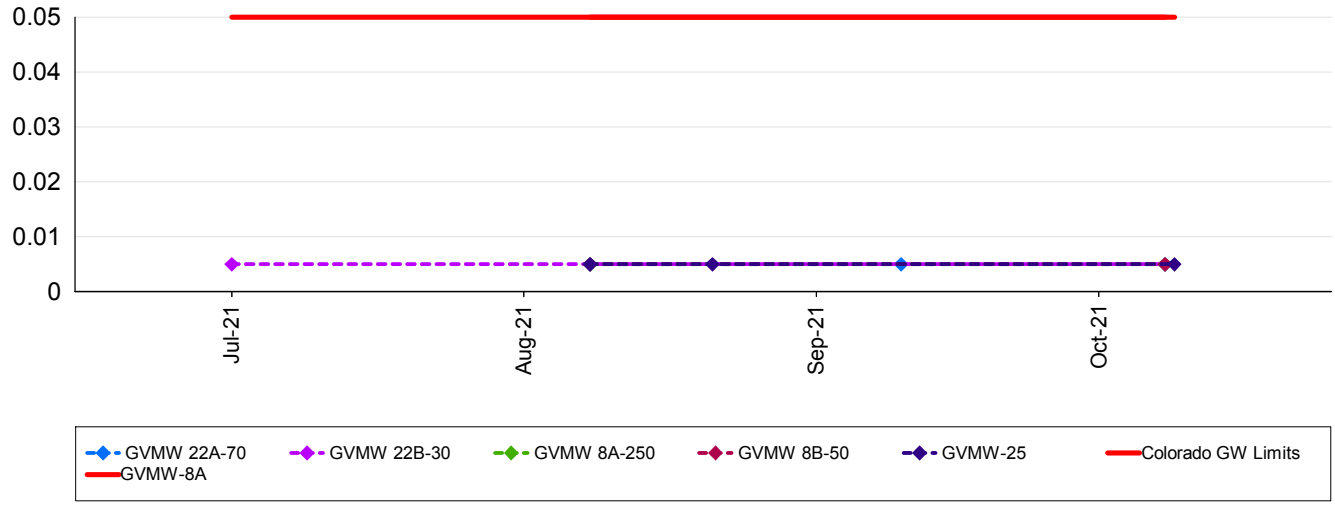
: pH Field (pH unit)



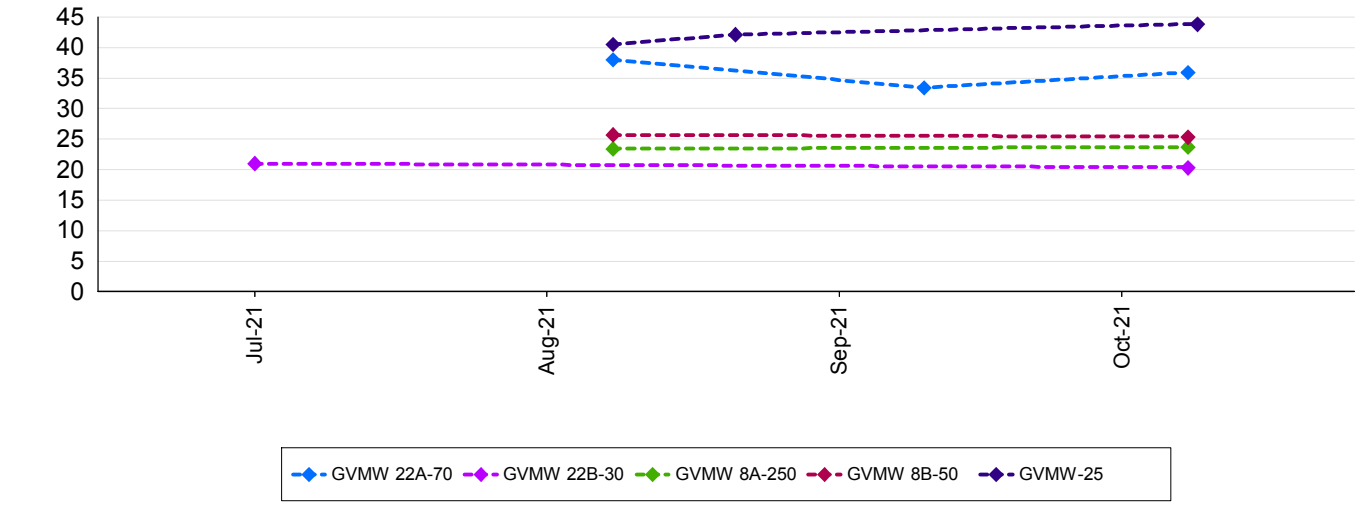
: Selenium - Dissolved (mg/L)



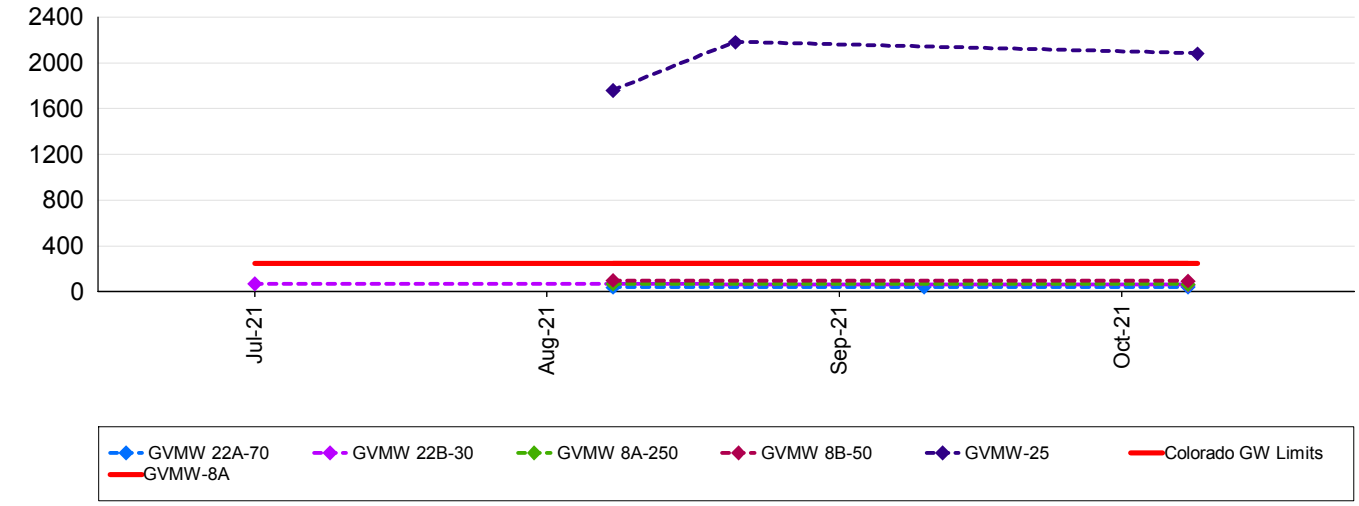
: Silver - Dissolved (mg/L)



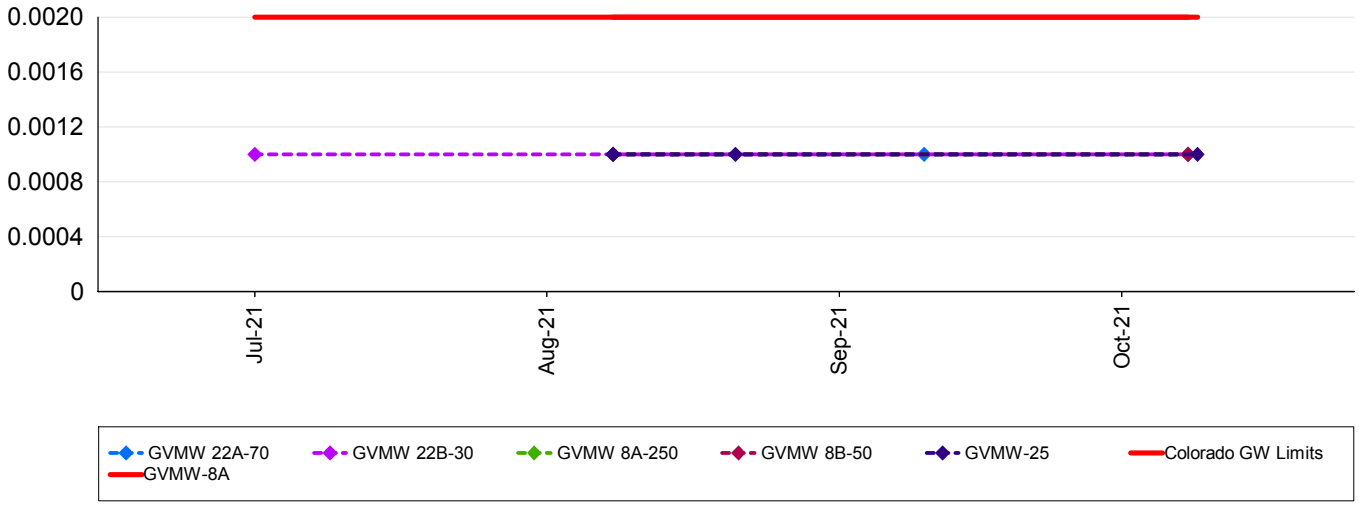
: Sodium - Dissolved (mg/L)



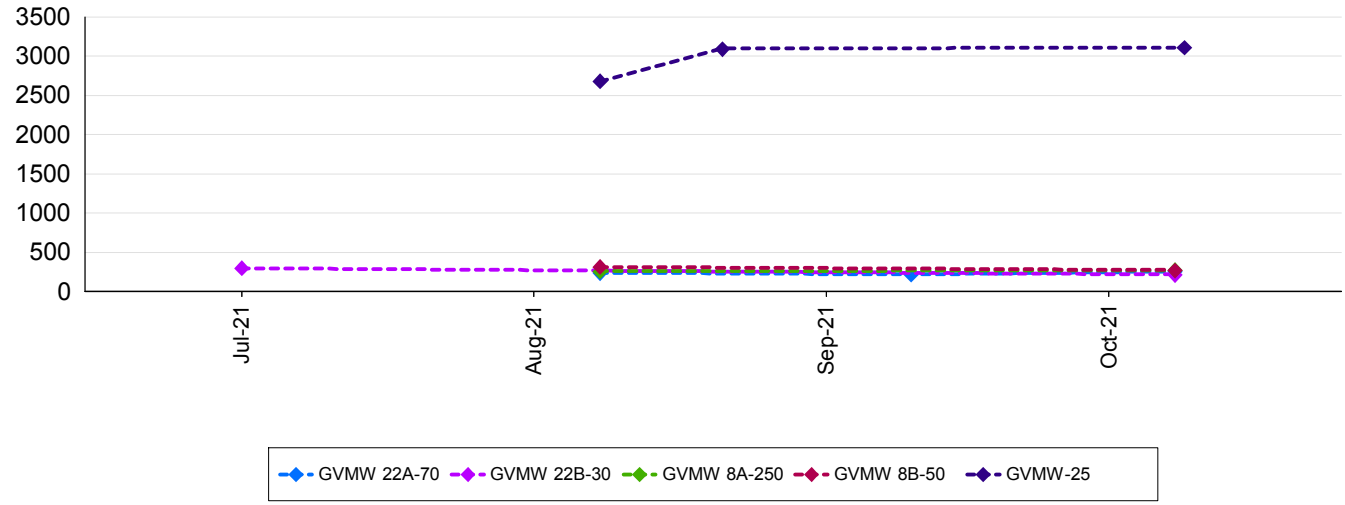
: Sulfate - Total (mg/L)



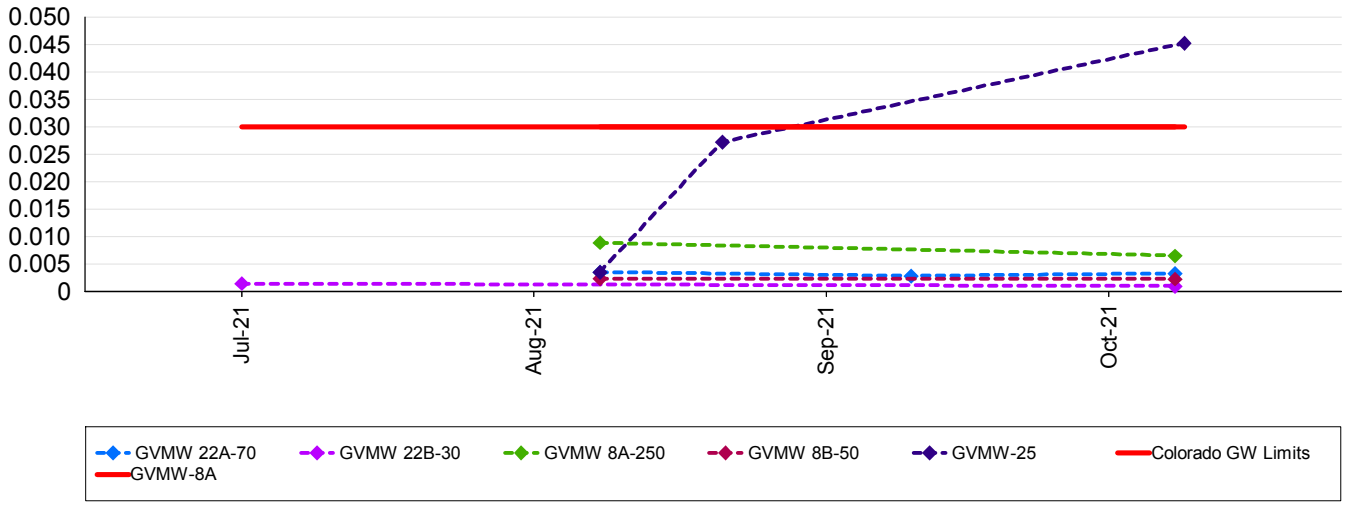
: Thallium - Dissolved (mg/L)



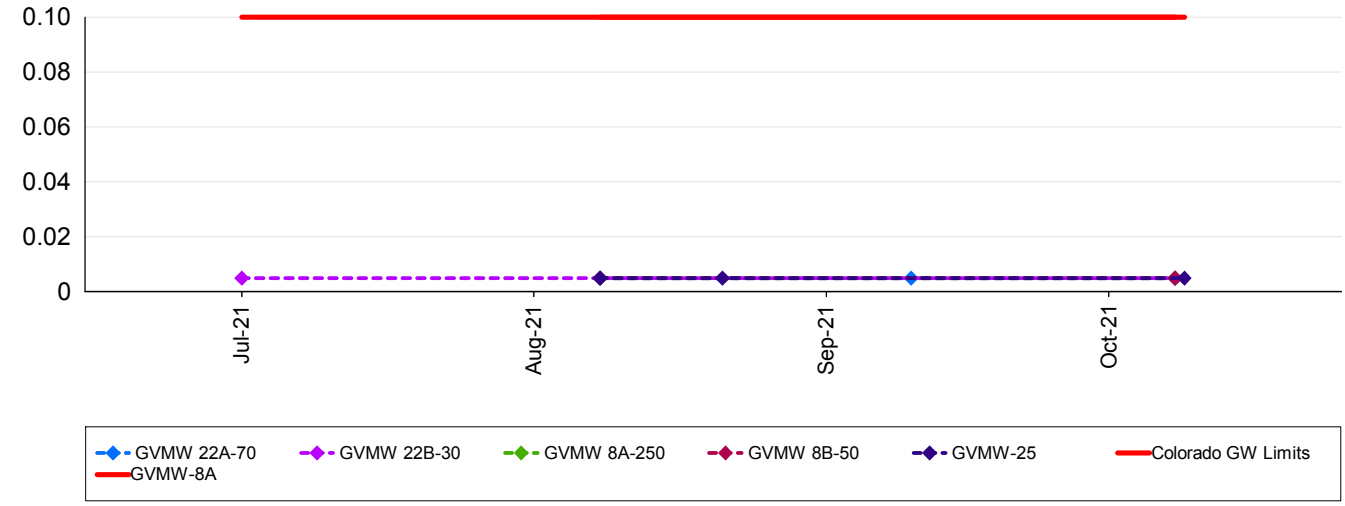
: Total Dissolved Solids (mg/L)



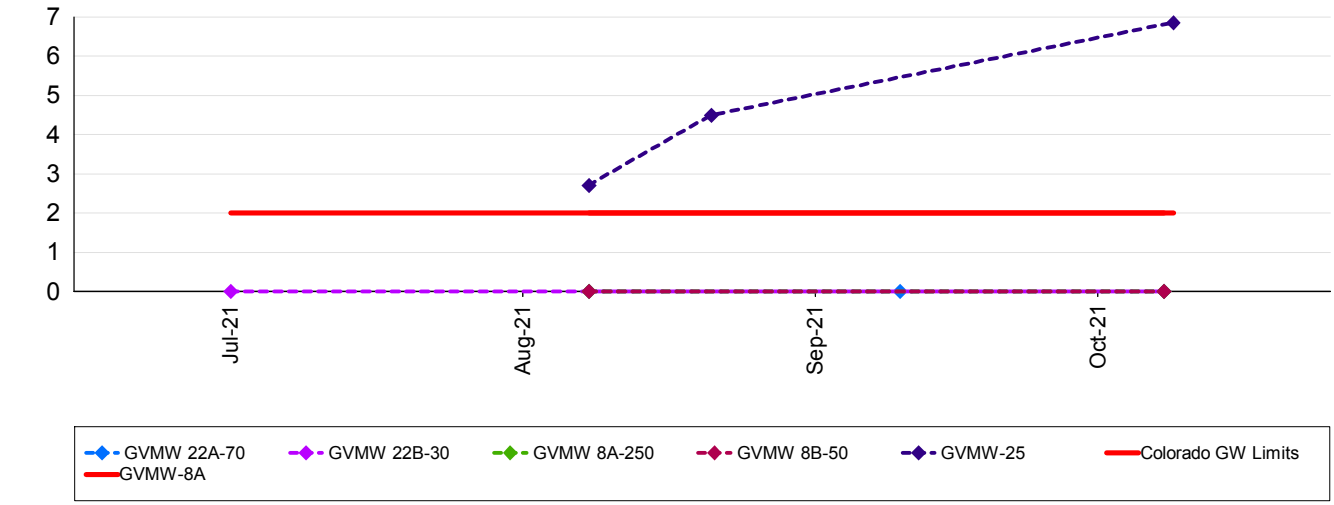
: Uranium - Dissolved (mg/L)



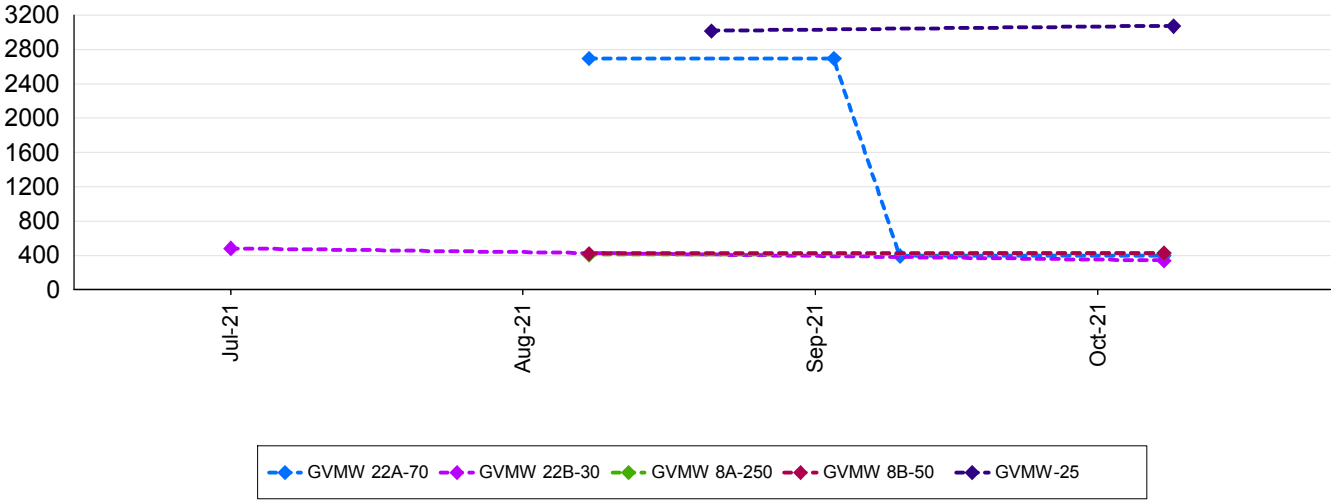
: Vanadium - Dissolved (mg/L)



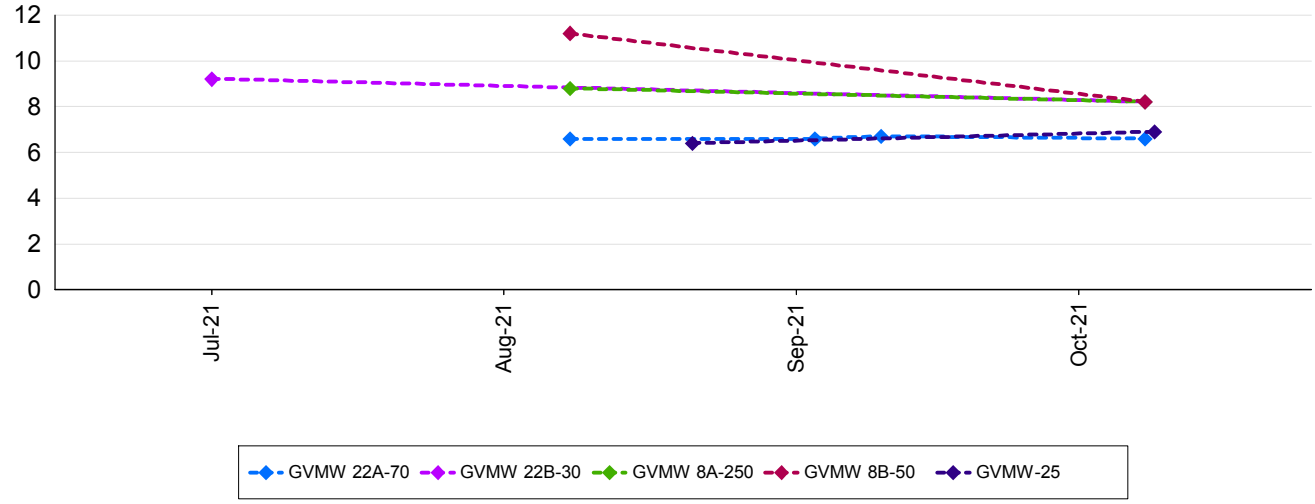
: Zinc - Dissolved (mg/L)



: Conductivity (µS/cm)



: Water Temperature (°C)



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

Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2021**
Post Office Box 191	Work Order: **X1J0387**
Victor, CO 80860	Reported: 08-Nov-21 15:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-22A	X1J0387-01	Ground Water	19-Oct-21 09:45	BOD	20-Oct-2021	
GVMW-22B	X1J0387-02	Ground Water	19-Oct-21 11:00	BOD	20-Oct-2021	
GVMW-8B	X1J0387-03	Ground Water	19-Oct-21 12:50	BOD	20-Oct-2021	
GVMW-8A	X1J0387-04	Ground Water	19-Oct-21 14:15	BOD	20-Oct-2021	

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.
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: X1J0387

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 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X1J0387-01 (Ground Water)**

Sampled: 19-Oct-21 09:45
Received: 20-Oct-21
Sampled By: BOD

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**	31.1	mg/L	0.100	0.035		X143221	ATM	11/01/21 12:49	
EPA 200.7	**Magnesium**	12.9	mg/L	0.500	0.045		X143221	ATM	11/01/21 12:49	
EPA 200.7	**Potassium**	2.08	mg/L	0.50	0.09		X143221	ATM	11/01/21 12:49	
SM 2340 B	**Hardness (as CaCO3)**	131	mg/L	2.31	0.271		N/A		11/01/21 12:49	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X143216	ATM	11/03/21 10:22	
EPA 200.7	**Barium**	0.126	mg/L	0.0020	0.0019		X143216	ATM	11/03/21 10:22	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X143216	ATM	11/03/21 10:22	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X143216	ATM	11/03/21 10:22	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X143216	ATM	11/03/21 10:22	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X143216	ATM	11/03/21 10:22	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X143216	ATM	11/03/21 10:22	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X143216	ATM	11/03/21 10:22	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X143216	ATM	11/03/21 10:22	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X143216	ATM	11/03/21 10:22	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X143216	ATM	11/03/21 10:22	
EPA 200.7	**Manganese**	0.0853	mg/L	0.0080	0.0034		X143216	ATM	11/03/21 10:22	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X143216	ATM	11/03/21 10:22	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X143216	ATM	11/03/21 10:22	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X143216	ATM	11/03/21 10:22	
EPA 200.7	**Sodium**	35.9	mg/L	0.50	0.12		X143216	ATM	11/03/21 10:22	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X143216	ATM	11/03/21 10:22	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X143216	ATM	11/03/21 10:22	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X143227	JFB	11/02/21 15:50	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X143227	JFB	11/02/21 15:50	
EPA 200.8	Selenium	< 0.00300	mg/L	0.00300	0.00024		X143227	JFB	11/02/21 15:50	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X143227	JFB	11/02/21 15:50	
EPA 200.8	**Uranium**	0.00332	mg/L	0.00100	0.000052		X143227	JFB	11/02/21 15:50	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X144031	ATM	10/27/21 13:30	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X144092	HJL	10/27/21 12:07	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X144039	KJR	10/28/21 17:36	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X145061	KJR	11/03/21 13:45	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X144093	HJL	10/28/21 09:59	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X145005	EKE	11/01/21 11:40	
SM 2320 B	**Total Alkalinity**	160	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:25	
SM 2320 B	**Bicarbonate**	160	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:25	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:25	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:25	
SM 2540 C	**Total Diss. Solids**	258	mg/L	10			X143318	TJL	10/22/21 13:30	
SM 2540 D	**Total Susp. Solids**	31.0	mg/L	5.0			X143319	TJL	10/22/21 13:30	
SM 4500 H B	**pH @21.0°C**	7.9	pH Units				X145002	KAG	11/02/21 12:25	H5

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Client Sample ID: **GVMW-22A**
SVL Sample ID: **X1J0387-01 (Ground Water)**

Sampled: 19-Oct-21 09:45
Received: 20-Oct-21
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	4.66	mg/L	0.20	0.14		X143204	EBR	10/20/21 15:35	
EPA 300.0	**Fluoride**	2.10	mg/L	0.100	0.062		X143204	EBR	10/20/21 15:35	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X143204	EBR	10/20/21 15:35	
EPA 300.0	Nitrate+Nitrite as N	< 0.100	mg/L	0.100	0.074		X143204	EBR	10/20/21 15:35	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X143204	EBR	10/20/21 15:35	
EPA 300.0	**Sulfate as SO4**	42.6	mg/L	3.00	1.80	10	X143204	RS	10/25/21 12:58	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 4.25 meq/L Anion Sum: 4.34 meq/L C/A Balance: -1.05 % Calculated TDS: 227 TDS/cTDS: 1.13

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Jessica Banaszak
Project Manager

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Post Office Box 191
Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X1J0387-02 (Ground Water)**

Sampled: 19-Oct-21 11:00
Received: 20-Oct-21
Sampled By: BOD

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**	32.8	mg/L	0.100	0.035		X143221	ATM	11/01/21 12:53	
EPA 200.7	**Magnesium**	8.60	mg/L	0.500	0.045		X143221	ATM	11/01/21 12:53	
EPA 200.7	**Potassium**	1.46	mg/L	0.50	0.09		X143221	ATM	11/01/21 12:53	
SM 2340 B	**Hardness (as CaCO3)**	117	mg/L	2.31	0.271		N/A		11/01/21 12:53	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X143216	ATM	11/03/21 10:25	
EPA 200.7	**Barium**	0.0552	mg/L	0.0020	0.0019		X143216	ATM	11/03/21 10:25	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X143216	ATM	11/03/21 10:25	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X143216	ATM	11/03/21 10:25	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X143216	ATM	11/03/21 10:25	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X143216	ATM	11/03/21 10:25	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X143216	ATM	11/03/21 10:25	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X143216	ATM	11/03/21 10:25	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X143216	ATM	11/03/21 10:25	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X143216	ATM	11/03/21 10:25	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X143216	ATM	11/03/21 10:25	
EPA 200.7	**Manganese**	0.0395	mg/L	0.0080	0.0034		X143216	ATM	11/03/21 10:25	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X143216	ATM	11/03/21 10:25	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X143216	ATM	11/03/21 10:25	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X143216	ATM	11/03/21 10:25	
EPA 200.7	**Sodium**	20.3	mg/L	0.50	0.12		X143216	ATM	11/03/21 10:25	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X143216	ATM	11/03/21 10:25	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X143216	ATM	11/03/21 10:25	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X143227	JFB	11/02/21 15:53	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X143227	JFB	11/02/21 15:53	
EPA 200.8	Selenium	< 0.00300	mg/L	0.00300	0.00024		X143227	JFB	11/02/21 15:53	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X143227	JFB	11/02/21 15:53	
EPA 200.8	Uranium	< 0.00100	mg/L	0.00100	0.000052		X143227	JFB	11/02/21 15:53	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X144031	ATM	10/27/21 13:32	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X144092	HJL	10/27/21 12:08	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X144039	KJR	10/28/21 17:49	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X145061	KJR	11/03/21 13:47	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X144093	HJL	10/28/21 10:01	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X145005	EKE	11/01/21 11:40	
SM 2320 B	**Total Alkalinity**	76.3	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:35	
SM 2320 B	**Bicarbonate**	76.3	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:35	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:35	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:35	
SM 2540 C	**Total Diss. Solids**	211	mg/L	10			X145213	TJL	11/05/21 16:25	H1
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X143319	TJL	10/22/21 13:30	
SM 4500 H B	**pH @21.0°C**	7.1	pH Units				X145002	KAG	11/02/21 12:35	H5

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Client Sample ID: **GVMW-22B**
SVL Sample ID: **X1J0387-02 (Ground Water)**

Sampled: 19-Oct-21 11:00
Received: 20-Oct-21
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	20.0	mg/L	2.00	1.40	10	X143204	EBR	10/20/21 16:53	D2
EPA 300.0	**Fluoride**	0.408	mg/L	0.100	0.062		X143204	EBR	10/20/21 16:34	
EPA 300.0	**Nitrate as N**	0.614	mg/L	0.050	0.043		X143204	EBR	10/20/21 16:34	
EPA 300.0	**Nitrate+Nitrite as N**	0.614	mg/L	0.100	0.074		X143204	EBR	10/20/21 16:34	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X143204	EBR	10/20/21 16:34	
EPA 300.0	**Sulfate as SO4**	59.7	mg/L	3.00	1.80	10	X143204	EBR	10/20/21 16:53	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 3.28 meq/L Anion Sum: 3.44 meq/L C/A Balance: -2.43 % Calculated TDS: 194 TDS/cTDS: 1.08

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Jessica Banaszak
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X1J0387-03 (Ground Water)**

Sampled: 19-Oct-21 12:50
Received: 20-Oct-21
Sampled By: BOD

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**	43.3	mg/L	0.100	0.035		X143221	ATM	11/01/21 13:03	
EPA 200.7	**Magnesium**	6.92	mg/L	0.500	0.045		X143221	ATM	11/01/21 13:03	
EPA 200.7	**Potassium**	1.27	mg/L	0.50	0.09		X143221	ATM	11/01/21 13:03	
SM 2340 B	**Hardness (as CaCO3)**	137	mg/L	2.31	0.271		N/A		11/01/21 13:03	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X143216	ATM	11/03/21 10:29	
EPA 200.7	**Barium**	0.0067	mg/L	0.0020	0.0019		X143216	ATM	11/03/21 10:29	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X143216	ATM	11/03/21 10:29	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X143216	ATM	11/03/21 10:29	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X143216	ATM	11/03/21 10:29	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X143216	ATM	11/03/21 10:29	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X143216	ATM	11/03/21 10:29	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X143216	ATM	11/03/21 10:29	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X143216	ATM	11/03/21 10:29	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X143216	ATM	11/03/21 10:29	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X143216	ATM	11/03/21 10:29	
EPA 200.7	Manganese	< 0.0080	mg/L	0.0080	0.0034		X143216	ATM	11/03/21 10:29	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X143216	ATM	11/03/21 10:29	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X143216	ATM	11/03/21 10:29	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X143216	ATM	11/03/21 10:29	
EPA 200.7	**Sodium**	25.3	mg/L	0.50	0.12		X143216	ATM	11/03/21 10:29	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X143216	ATM	11/03/21 10:29	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X143216	ATM	11/03/21 10:29	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X143227	JFB	11/02/21 16:42	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X143227	JFB	11/02/21 16:42	
EPA 200.8	Selenium	< 0.00300	mg/L	0.00300	0.00024		X143227	JFB	11/02/21 16:42	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X143227	JFB	11/02/21 16:42	
EPA 200.8	**Uranium**	0.00230	mg/L	0.00100	0.000052		X143227	JFB	11/02/21 16:42	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X144031	ATM	10/27/21 13:34	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X144092	HJL	10/27/21 12:10	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X144039	KJR	10/28/21 17:52	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X145061	KJR	11/03/21 13:50	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X144093	HJL	10/28/21 10:02	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X145005	EKE	11/01/21 11:40	
SM 2320 B	**Total Alkalinity**	38.3	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:42	
SM 2320 B	**Bicarbonate**	38.3	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:42	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:42	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:42	
SM 2540 C	**Total Diss. Solids**	269	mg/L	10			X143318	TJL	10/22/21 13:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X143319	TJL	10/22/21 13:30	
SM 4500 H B	**pH @21.0°C**	6.9	pH Units				X145002	KAG	11/02/21 12:42	H5

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Client Sample ID: **GVMW-8B**
SVL Sample ID: **X1J0387-03 (Ground Water)**

Sampled: 19-Oct-21 12:50
Received: 20-Oct-21
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	37.9	mg/L	2.00	1.40	10	X143204	EBR	10/20/21 17:32	D2
EPA 300.0	**Fluoride**	2.23	mg/L	0.100	0.062		X143204	EBR	10/20/21 17:12	
EPA 300.0	**Nitrate as N**	2.40	mg/L	0.050	0.043		X143204	EBR	10/20/21 17:12	
EPA 300.0	**Nitrate+Nitrite as N**	2.40	mg/L	0.100	0.074		X143204	EBR	10/20/21 17:12	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X143204	EBR	10/20/21 17:12	
EPA 300.0	**Sulfate as SO4**	93.7	mg/L	3.00	1.80	10	X143204	EBR	10/20/21 17:32	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.88 meq/L Anion Sum: 4.25 meq/L C/A Balance: -4.57 % Calculated TDS: 255 TDS/cTDS: 1.06

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Jessica Banaszak
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X1J0387-04 (Ground Water)**

Sampled: 19-Oct-21 14:15
Received: 20-Oct-21
Sampled By: BOD

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**	45.1	mg/L	0.100	0.035		X143221	ATM	11/01/21 13:06	
EPA 200.7	**Magnesium**	5.74	mg/L	0.500	0.045		X143221	ATM	11/01/21 13:06	
EPA 200.7	**Potassium**	0.72	mg/L	0.50	0.09		X143221	ATM	11/01/21 13:06	
SM 2340 B	**Hardness (as CaCO3)**	136	mg/L	2.31	0.271		N/A		11/01/21 13:06	
Metals (Dissolved)										
EPA 200.7	Aluminum	< 0.080	mg/L	0.080	0.054		X143216	ATM	11/03/21 10:39	
EPA 200.7	Barium	< 0.0020	mg/L	0.0020	0.0019		X143216	ATM	11/03/21 10:39	
EPA 200.7	Beryllium	< 0.00200	mg/L	0.00200	0.00080		X143216	ATM	11/03/21 10:39	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X143216	ATM	11/03/21 10:39	
EPA 200.7	Cadmium	< 0.0020	mg/L	0.0020	0.0016		X143216	ATM	11/03/21 10:39	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X143216	ATM	11/03/21 10:39	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X143216	ATM	11/03/21 10:39	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X143216	ATM	11/03/21 10:39	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X143216	ATM	11/03/21 10:39	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X143216	ATM	11/03/21 10:39	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X143216	ATM	11/03/21 10:39	
EPA 200.7	**Manganese**	0.151	mg/L	0.0080	0.0034		X143216	ATM	11/03/21 10:39	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X143216	ATM	11/03/21 10:39	
EPA 200.7	Nickel	< 0.0100	mg/L	0.0100	0.0048		X143216	ATM	11/03/21 10:39	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X143216	ATM	11/03/21 10:39	
EPA 200.7	**Sodium**	23.7	mg/L	0.50	0.12		X143216	ATM	11/03/21 10:39	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X143216	ATM	11/03/21 10:39	
EPA 200.7	Zinc	< 0.0100	mg/L	0.0100	0.0054		X143216	ATM	11/03/21 10:39	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X143227	JFB	11/02/21 16:45	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X143227	JFB	11/02/21 16:45	
EPA 200.8	Selenium	< 0.00300	mg/L	0.00300	0.00024		X143227	JFB	11/02/21 16:45	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X143227	JFB	11/02/21 16:45	
EPA 200.8	**Uranium**	0.00651	mg/L	0.00100	0.000052		X143227	JFB	11/02/21 16:45	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X144031	ATM	10/27/21 13:36	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X144092	HJL	10/27/21 12:11	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X144039	KJR	10/28/21 17:54	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X145061	KJR	11/03/21 13:53	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X144093	HJL	10/28/21 10:04	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X145005	EKE	11/01/21 11:40	
SM 2320 B	**Total Alkalinity**	48.7	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:49	
SM 2320 B	**Bicarbonate**	48.7	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:49	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:49	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X145002	KAG	11/02/21 12:49	
SM 2540 C	**Total Diss. Solids**	276	mg/L	10			X143318	TJL	10/22/21 13:30	
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X143319	TJL	10/22/21 13:30	
SM 4500 H B	**pH @21.0°C**	7.0	pH Units				X145002	KAG	11/02/21 12:49	H5

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Client Sample ID: **GVMW-8A**
SVL Sample ID: **X1J0387-04 (Ground Water)**

Sampled: 19-Oct-21 14:15
Received: 20-Oct-21
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	57.7	mg/L	2.00	1.40	10	X143204	EBR	10/20/21 18:50	D2
EPA 300.0	**Fluoride**	2.18	mg/L	0.100	0.062		X143204	EBR	10/20/21 18:30	
EPA 300.0	**Nitrate as N**	0.477	mg/L	0.050	0.043		X143204	EBR	10/20/21 18:30	
EPA 300.0	**Nitrate+Nitrite as N**	0.498	mg/L	0.100	0.074		X143204	EBR	10/20/21 18:30	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X143204	EBR	10/20/21 18:30	
EPA 300.0	**Sulfate as SO4**	63.2	mg/L	3.00	1.80	10	X143204	EBR	10/20/21 18:50	D2
Cation/Anion Balance and TDS Ratios										

Cation Sum: 3.79 meq/L Anion Sum: 4.10 meq/L C/A Balance: -3.96 % Calculated TDS: 232 TDS/cTDS: 1.19

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Jessica Banaszak
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

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	0.035	0.100	X143221	01-Nov-21	
EPA 200.7	Magnesium	mg/L	<0.500	0.045	0.500	X143221	01-Nov-21	
EPA 200.7	Potassium	mg/L	<0.50	0.09	0.50	X143221	01-Nov-21	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X143216	03-Nov-21	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X143216	03-Nov-21	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X143216	03-Nov-21	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X143216	03-Nov-21	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X143216	03-Nov-21	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X143216	03-Nov-21	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X143216	03-Nov-21	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X143216	03-Nov-21	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X143216	03-Nov-21	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X143216	03-Nov-21	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X143216	03-Nov-21	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X143216	03-Nov-21	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X143216	03-Nov-21	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X143216	03-Nov-21	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X143216	03-Nov-21	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X143216	03-Nov-21	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X143216	03-Nov-21	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X143216	03-Nov-21	
EPA 200.8	Antimony	mg/L	<0.00300	0.00072	0.00300	X143227	02-Nov-21	
EPA 200.8	Arsenic	mg/L	<0.00300	0.00021	0.00300	X143227	02-Nov-21	
EPA 200.8	Selenium	mg/L	<0.00300	0.00024	0.00300	X143227	02-Nov-21	
EPA 200.8	Thallium	mg/L	<0.00100	0.00008	0.00100	X143227	02-Nov-21	
EPA 200.8	Uranium	mg/L	<0.00100	0.000052	0.00100	X143227	02-Nov-21	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X144031	27-Oct-21	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X144092	27-Oct-21	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X144039	28-Oct-21	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X145061	03-Nov-21	
OIA 1677	Cyanide (WAD)	mg/L	<0.0100	0.0010	0.0100	X144093	28-Oct-21	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X145005	01-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X145002	02-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X145002	02-Nov-21	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X145002	02-Nov-21	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X145002	02-Nov-21	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X143318	22-Oct-21	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X145213	05-Nov-21	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X143319	22-Oct-21	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.14	0.20	X143204	20-Oct-21	
EPA 300.0	Fluoride	mg/L	<0.100	0.062	0.100	X143204	20-Oct-21	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X143204	20-Oct-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.074	0.100	X143204	20-Oct-21	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X143204	20-Oct-21	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X143204	20-Oct-21	

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	19.5	20.0	97.3	85 - 115	X143221	01-Nov-21	
EPA 200.7	Magnesium	mg/L	19.8	20.0	98.9	85 - 115	X143221	01-Nov-21	
EPA 200.7	Potassium	mg/L	20.2	20.0	101	85 - 115	X143221	01-Nov-21	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	0.973	1.00	97.3	85 - 115	X143216	03-Nov-21	
EPA 200.7	Barium	mg/L	0.985	1.00	98.5	85 - 115	X143216	03-Nov-21	
EPA 200.7	Beryllium	mg/L	0.895	1.00	89.5	85 - 115	X143216	03-Nov-21	
EPA 200.7	Boron	mg/L	0.958	1.00	95.8	85 - 115	X143216	03-Nov-21	
EPA 200.7	Cadmium	mg/L	0.937	1.00	93.7	85 - 115	X143216	03-Nov-21	
EPA 200.7	Chromium	mg/L	0.910	1.00	91.0	85 - 115	X143216	03-Nov-21	
EPA 200.7	Cobalt	mg/L	0.902	1.00	90.2	85 - 115	X143216	03-Nov-21	
EPA 200.7	Copper	mg/L	0.885	1.00	88.5	85 - 115	X143216	03-Nov-21	
EPA 200.7	Iron	mg/L	10.1	10.0	101	85 - 115	X143216	03-Nov-21	
EPA 200.7	Lead	mg/L	0.924	1.00	92.4	85 - 115	X143216	03-Nov-21	
EPA 200.7	Lithium	mg/L	0.903	1.00	90.3	85 - 115	X143216	03-Nov-21	
EPA 200.7	Manganese	mg/L	0.920	1.00	92.0	85 - 115	X143216	03-Nov-21	
EPA 200.7	Molybdenum	mg/L	0.904	1.00	90.4	85 - 115	X143216	03-Nov-21	
EPA 200.7	Nickel	mg/L	0.896	1.00	89.6	85 - 115	X143216	03-Nov-21	
EPA 200.7	Silver	mg/L	0.0485	0.0500	97.1	85 - 115	X143216	03-Nov-21	
EPA 200.7	Sodium	mg/L	19.4	19.0	102	85 - 115	X143216	03-Nov-21	
EPA 200.7	Vanadium	mg/L	0.921	1.00	92.1	85 - 115	X143216	03-Nov-21	
EPA 200.7	Zinc	mg/L	0.937	1.00	93.7	85 - 115	X143216	03-Nov-21	
EPA 200.8	Antimony	mg/L	0.0246	0.0250	98.5	85 - 115	X143227	02-Nov-21	
EPA 200.8	Arsenic	mg/L	0.0222	0.0250	88.7	85 - 115	X143227	02-Nov-21	
EPA 200.8	Selenium	mg/L	0.0225	0.0250	90.0	85 - 115	X143227	03-Nov-21	
EPA 200.8	Thallium	mg/L	0.0239	0.0250	95.6	85 - 115	X143227	02-Nov-21	
EPA 200.8	Uranium	mg/L	0.0248	0.0250	99.3	85 - 115	X143227	02-Nov-21	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00493	0.00500	98.5	85 - 115	X144031	27-Oct-21	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	0.100	102	90 - 110	X144092	27-Oct-21	
EPA 335.4	Cyanide (total)	mg/L	0.0996	0.100	99.6	90 - 110	X144039	28-Oct-21	
EPA 350.1	Ammonia as N	mg/L	0.997	1.00	99.7	90 - 110	X145061	03-Nov-21	
OIA 1677	Cyanide (WAD)	mg/L	0.105	0.100	105	82 - 118	X144093	28-Oct-21	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	734	739	99.3	92.1 - 110	X145005	01-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	94.3 - 106	X145002	02-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	395	397	99.4	94.3 - 106	X145002	02-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	102	99.3	103	95.1 - 106	X145002	02-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	383	397	96.5	95.1 - 106	X145002	02-Nov-21	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X143319	22-Oct-21	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.12	3.00	104	90 - 110	X143204	20-Oct-21	
EPA 300.0	Fluoride	mg/L	2.12	2.00	106	90 - 110	X143204	20-Oct-21	
EPA 300.0	Nitrate as N	mg/L	2.12	2.00	106	90 - 110	X143204	20-Oct-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.78	4.50	106	90 - 110	X143204	20-Oct-21	
EPA 300.0	Nitrite as N	mg/L	2.65	2.50	106	90 - 110	X143204	20-Oct-21	
EPA 300.0	Sulfate as SO4	mg/L	10.5	10.0	105	90 - 110	X143204	20-Oct-21	

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

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	X145005 - X1J0387-01	01-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	159	160	0.5	20	X145002 - X1J0387-01	02-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	159	160	0.5	20	X145002 - X1J0387-01	02-Nov-21	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X145002 - X1J0387-01	02-Nov-21	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X145002 - X1J0387-01	02-Nov-21	
SM 2540 C	Total Diss. Solids	mg/L	216	243	11.8	10	X143318 - X1J0387-02	22-Oct-21	R2B
SM 2540 C	Total Diss. Solids	mg/L	476	484	1.7	10	X145213 - X1K0106-01	05-Nov-21	
SM 2540 C	Total Diss. Solids	mg/L	796	799	0.4	10	X145213 - X1K0099-02	05-Nov-21	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X143319 - X1J0319-01	22-Oct-21	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	<RL	10	X143319 - X1J0387-02	22-Oct-21	
SM 4500 H B	pH @21.0°C	pH Units	7.9	7.9	0.1	20	X145002 - X1J0387-01	02-Nov-21	

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	53.1	32.8	20.0	101	70 - 130	X143221 - X1J0387-02	01-Nov-21	
EPA 200.7	Calcium	mg/L	58.9	39.0	20.0	99.4	70 - 130	X143221 - X1J0393-01	01-Nov-21	
EPA 200.7	Magnesium	mg/L	27.7	8.60	20.0	95.6	70 - 130	X143221 - X1J0387-02	01-Nov-21	
EPA 200.7	Magnesium	mg/L	33.4	14.2	20.0	95.8	70 - 130	X143221 - X1J0393-01	01-Nov-21	
EPA 200.7	Potassium	mg/L	21.8	1.46	20.0	102	70 - 130	X143221 - X1J0387-02	01-Nov-21	
EPA 200.7	Potassium	mg/L	23.5	3.22	20.0	101	70 - 130	X143221 - X1J0393-01	01-Nov-21	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.877	<0.080	1.00	87.7	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Barium	mg/L	1.02	0.0297	1.00	98.5	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Beryllium	mg/L	0.886	<0.00200	1.00	88.6	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Boron	mg/L	1.03	0.0553	1.00	97.5	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Cadmium	mg/L	0.910	<0.0020	1.00	91.0	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Chromium	mg/L	0.915	<0.0060	1.00	91.5	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Cobalt	mg/L	0.890	<0.0060	1.00	89.0	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Copper	mg/L	0.982	<0.0100	1.00	98.2	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Iron	mg/L	12.0	2.05	10.0	99.2	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Lead	mg/L	0.907	<0.0075	1.00	90.7	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Lithium	mg/L	1.02	0.122	1.00	89.4	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Manganese	mg/L	2.49	1.61	1.00	88.3	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Molybdenum	mg/L	1.00	0.0631	1.00	94.1	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Nickel	mg/L	0.890	<0.0100	1.00	89.0	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Silver	mg/L	0.0462	<0.0050	0.0500	92.4	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Sodium	mg/L	135	118	19.0	90.0	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Vanadium	mg/L	0.965	<0.0050	1.00	96.1	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.7	Zinc	mg/L	0.939	<0.0100	1.00	93.9	70 - 130	X143216 - X1J0382-01	03-Nov-21	
EPA 200.8	Antimony	mg/L	0.0234	<0.0100	0.0250	93.4	70 - 130	X143227 - X1J0382-01	02-Nov-21	D1
EPA 200.8	Arsenic	mg/L	0.0232	<0.0100	0.0250	93.0	70 - 130	X143227 - X1J0382-01	02-Nov-21	D1
EPA 200.8	Selenium	mg/L	0.0203	<0.0100	0.0250	81.4	70 - 130	X143227 - X1J0382-01	02-Nov-21	D1
EPA 200.8	Thallium	mg/L	0.0219	<0.00200	0.0250	87.5	70 - 130	X143227 - X1J0382-01	02-Nov-21	D1
EPA 200.8	Uranium	mg/L	0.0485	0.0259	0.0250	90.6	70 - 130	X143227 - X1J0382-01	02-Nov-21	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00101	<0.000200	0.00100	101	70 - 130	X144031 - X1J0293-03	27-Oct-21	
EPA 245.1	Mercury	mg/L	0.00104	<0.000200	0.00100	104	70 - 130	X144031 - X1J0387-04	27-Oct-21	

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.104	<0.0050	0.100	104	79 - 121	X144092 - X1J0387-01	27-Oct-21	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X144039 - X1J0387-01	28-Oct-21	
EPA 335.4	Cyanide (total)	mg/L	0.100	<0.0050	0.100	100	90 - 110	X144039 - X1J0402-01	28-Oct-21	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X145061 - X1J0387-01	03-Nov-21	
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	106	90 - 110	X145061 - X1J0402-01	03-Nov-21	
OIA 1677	Cyanide (WAD)	mg/L	0.102	<0.0100	0.100	101	82 - 118	X144093 - X1J0387-01	28-Oct-21	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.84	4.66	3.00	106	90 - 110	X143204 - X1J0387-01	20-Oct-21	
EPA 300.0	Chloride	mg/L	4.85	1.64	3.00	107	90 - 110	X143204 - X1J0392-02	20-Oct-21	
EPA 300.0	Fluoride	mg/L	4.19	2.10	2.00	105	90 - 110	X143204 - X1J0387-01	20-Oct-21	
EPA 300.0	Fluoride	mg/L	2.09	<0.100	2.00	105	90 - 110	X143204 - X1J0392-02	20-Oct-21	
EPA 300.0	Nitrate as N	mg/L	2.10	<0.050	2.00	105	90 - 110	X143204 - X1J0387-01	20-Oct-21	
EPA 300.0	Nitrate as N	mg/L	2.11	<0.050	2.00	106	90 - 110	X143204 - X1J0392-02	20-Oct-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.15	<0.100	4.00	104	90 - 110	X143204 - X1J0387-01	20-Oct-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.17	<0.100	4.00	104	90 - 110	X143204 - X1J0392-02	20-Oct-21	
EPA 300.0	Nitrite as N	mg/L	2.05	<0.050	2.00	102	90 - 110	X143204 - X1J0387-01	20-Oct-21	
EPA 300.0	Nitrite as N	mg/L	2.06	<0.050	2.00	103	90 - 110	X143204 - X1J0392-02	20-Oct-21	
EPA 300.0	Sulfate as SO4	mg/L	12.3	1.73	10.0	106	90 - 110	X143204 - X1J0392-02	20-Oct-21	
EPA 300.0	Sulfate as SO4	mg/L	53.0	42.6	10.0	104	90 - 110	X143204 - X1J0387-01	25-Oct-21	D2

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)										
EPA 200.7	Calcium	mg/L	52.6	53.1	20.0	0.9	20	99.1	X143221 - X1J0387-02	
EPA 200.7	Magnesium	mg/L	27.5	27.7	20.0	0.9	20	94.5	X143221 - X1J0387-02	
EPA 200.7	Potassium	mg/L	21.7	21.8	20.0	0.6	20	101	X143221 - X1J0387-02	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	0.839	0.877	1.00	4.5	20	83.9	X143216 - X1J0382-01	
EPA 200.7	Barium	mg/L	1.02	1.02	1.00	0.1	20	98.6	X143216 - X1J0382-01	
EPA 200.7	Beryllium	mg/L	0.845	0.886	1.00	4.7	20	84.5	X143216 - X1J0382-01	
EPA 200.7	Boron	mg/L	0.993	1.03	1.00	3.8	20	93.7	X143216 - X1J0382-01	
EPA 200.7	Cadmium	mg/L	0.902	0.910	1.00	0.9	20	90.2	X143216 - X1J0382-01	
EPA 200.7	Chromium	mg/L	0.914	0.915	1.00	0.2	20	91.4	X143216 - X1J0382-01	
EPA 200.7	Cobalt	mg/L	0.880	0.890	1.00	1.1	20	88.0	X143216 - X1J0382-01	
EPA 200.7	Copper	mg/L	0.987	0.982	1.00	0.6	20	98.7	X143216 - X1J0382-01	
EPA 200.7	Iron	mg/L	11.8	12.0	10.0	1.3	20	97.7	X143216 - X1J0382-01	
EPA 200.7	Lead	mg/L	0.904	0.907	1.00	0.4	20	90.4	X143216 - X1J0382-01	
EPA 200.7	Lithium	mg/L	0.977	1.02	1.00	3.9	20	85.5	X143216 - X1J0382-01	
EPA 200.7	Manganese	mg/L	2.52	2.49	1.00	1.0	20	90.7	X143216 - X1J0382-01	
EPA 200.7	Molybdenum	mg/L	0.992	1.00	1.00	1.2	20	92.9	X143216 - X1J0382-01	
EPA 200.7	Nickel	mg/L	0.873	0.890	1.00	2.0	20	87.3	X143216 - X1J0382-01	
EPA 200.7	Silver	mg/L	0.0442	0.0462	0.0500	4.4	20	88.4	X143216 - X1J0382-01	
EPA 200.7	Sodium	mg/L	137	135	19.0	1.1	20	98.1	X143216 - X1J0382-01	
EPA 200.7	Vanadium	mg/L	0.967	0.965	1.00	0.3	20	96.3	X143216 - X1J0382-01	
EPA 200.7	Zinc	mg/L	0.931	0.939	1.00	0.9	20	93.1	X143216 - X1J0382-01	
EPA 200.8	Antimony	mg/L	0.0212	0.0234	0.0250	9.9	20	84.6	X143227 - X1J0382-01	D1
EPA 200.8	Arsenic	mg/L	0.0208	0.0232	0.0250	10.9	20	83.4	X143227 - X1J0382-01	D1
EPA 200.8	Selenium	mg/L	0.0202	0.0203	0.0250	0.7	20	80.8	X143227 - X1J0382-01	D1
EPA 200.8	Thallium	mg/L	0.0199	0.0219	0.0250	9.5	20	79.6	X143227 - X1J0382-01	D1

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Newmont - Cripple Creek & Victor
Post Office Box 191
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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0387**
Reported: 08-Nov-21 15:17

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	Uranium	mg/L	0.0458	0.0485	0.0250	5.8	20	79.8	X143227 - X1J0382-01	D1
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00102	0.00101	0.00100	1.0	20	102	X144031 - X1J0293-03	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.106	0.104	0.100	1.9	11	106	X144092 - X1J0387-01	
EPA 335.4	Cyanide (total)	mg/L	0.0994	0.101	0.100	1.9	20	99.4	X144039 - X1J0387-01	
EPA 350.1	Ammonia as N	mg/L	1.04	1.02	1.00	1.6	20	104	X145061 - X1J0387-01	
OIA 1677	Cyanide (WAD)	mg/L	0.107	0.102	0.100	4.8	11	106	X144093 - X1J0387-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.80	7.84	3.00	0.5	20	105	X143204 - X1J0387-01	
EPA 300.0	Fluoride	mg/L	4.15	4.19	2.00	0.9	20	103	X143204 - X1J0387-01	
EPA 300.0	Nitrate as N	mg/L	2.08	2.10	2.00	1.1	20	104	X143204 - X1J0387-01	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.10	4.15	4.00	1.2	20	103	X143204 - X1J0387-01	
EPA 300.0	Nitrite as N	mg/L	2.02	2.05	2.00	1.2	20	101	X143204 - X1J0387-01	
EPA 300.0	Sulfate as SO4	mg/L	51.8	53.0	10.0	2.1	20	92.3	X143204 - X1J0387-01	D2

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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2021**
Post Office Box 191	Work Order: **X1J0387**
Victor, CO 80860	Reported: 08-Nov-21 15:17

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
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 2021**
Post Office Box 191	Work Order: **X1J0402**
Victor, CO 80860	Reported: 09-Nov-21 09:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GVMW-25	X1J0402-01	Ground Water	20-Oct-21 10:40	BOD	21-Oct-2021	

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.
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: X1J0402

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
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Victor, CO 80860

Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0402**
Reported: 09-Nov-21 09:30

Client Sample ID: **GVMW-25**
SVL Sample ID: **X1J0402-01 (Ground Water)**

Sampled: 20-Oct-21 10:40
Received: 21-Oct-21
Sampled By: BOD

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**	530	mg/L	0.500	0.345	10	X144010	ATM	11/03/21 13:09	D2
EPA 200.7	**Magnesium**	154	mg/L	0.500	0.045		X144010	ATM	11/03/21 11:54	
EPA 200.7	**Potassium**	6.47	mg/L	0.50	0.09		X144010	ATM	11/03/21 11:54	
SM 2340 B	**Hardness (as CaCO3)**	1960	mg/L	3.31	1.05		N/A		11/03/21 13:09	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	32.3	mg/L	0.080	0.054		X144013	AS	11/04/21 08:09	M3
EPA 200.7	**Barium**	0.0194	mg/L	0.0020	0.0019		X144013	AS	11/04/21 08:09	
EPA 200.7	**Beryllium**	0.0544	mg/L	0.00200	0.00080		X144013	AS	11/04/21 08:09	R2B
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X144013	AS	11/04/21 08:09	
EPA 200.7	**Cadmium**	0.137	mg/L	0.0020	0.0016		X144013	AS	11/04/21 08:09	R2B
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X144013	AS	11/04/21 08:09	R2B
EPA 200.7	**Cobalt**	0.0805	mg/L	0.0060	0.0046		X144013	AS	11/04/21 08:09	R2B
EPA 200.7	**Copper**	0.0390	mg/L	0.0100	0.0027		X144013	AS	11/04/21 08:09	R2B
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X144013	AS	11/04/21 08:09	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X144013	AS	11/04/21 09:10	R2B
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X144013	AS	11/04/21 08:09	
EPA 200.7	**Manganese**	23.6	mg/L	0.0080	0.0034		X144013	AS	11/04/21 08:09	M3
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X144013	AS	11/04/21 08:09	R2B
EPA 200.7	**Nickel**	0.317	mg/L	0.0100	0.0048		X144013	AS	11/04/21 08:09	R2B
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X144013	AS	11/04/21 08:09	
EPA 200.7	**Sodium**	43.8	mg/L	0.50	0.12		X144013	AS	11/04/21 08:09	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X144013	AS	11/04/21 08:09	R2B
EPA 200.7	**Zinc**	6.85	mg/L	0.0100	0.0054		X144013	AS	11/04/21 08:09	M3
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X144038	AS	11/03/21 19:51	
EPA 200.8	**Arsenic**	0.00457	mg/L	0.00300	0.00021		X144038	AS	11/03/21 19:51	
EPA 200.8	**Selenium**	0.0274	mg/L	0.00300	0.00024		X144038	AS	11/03/21 19:51	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X144038	AS	11/03/21 19:51	
EPA 200.8	**Uranium**	0.0452	mg/L	0.00100	0.000052		X144038	AS	11/03/21 19:51	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X145031	AM	11/03/21 10:56	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @21.0°C	< 0.0050	mg/L	0.0050	0.0048		X144092	HJL	10/27/21 12:23	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X144039	KJR	10/28/21 17:57	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X145061	KJR	11/03/21 14:25	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X144093	HJL	10/28/21 10:05	
SM 2310 B	**Acidity to pH 8.3**	21.4	mg/L as CaCO3	10.0			X145005	EKE	11/01/21 11:40	
SM 2320 B	Total Alkalinity	< 1.0	mg/L as CaCO3	1.0			X145069	KAG	11/03/21 13:14	
SM 2320 B	Bicarbonate	< 1.0	mg/L as CaCO3	1.0			X145069	KAG	11/03/21 13:14	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X145069	KAG	11/03/21 13:14	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X145069	KAG	11/03/21 13:14	
SM 2540 C	**Total Diss. Solids**	3110	mg/L	40			X144062	TJL	10/26/21 14:25	D2
SM 2540 D	Total Susp. Solids	< 5.0	mg/L	5.0			X144063	TJL	10/26/21 14:25	
SM 4500 H B	**pH @21.0°C**	4.5	pH Units				X145069	KAG	11/03/21 13:14	H5

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0402**
Reported: 09-Nov-21 09:30

Client Sample ID: **GVMW-25**
SVL Sample ID: **X1J0402-01 (Ground Water)**

Sampled: 20-Oct-21 10:40
Received: 21-Oct-21
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	30.0	mg/L	10.0	7.00	50	X143288	RS	10/21/21 21:15	D2
EPA 300.0	**Fluoride**	14.4	mg/L	5.00	3.10	50	X143288	RS	10/21/21 21:15	D2
EPA 300.0	**Nitrate as N**	2.69	mg/L	0.050	0.043		X143288	RS	10/21/21 21:00	
EPA 300.0	**Nitrate+Nitrite as N**	2.69	mg/L	0.100	0.074		X143288	RS	10/21/21 21:00	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X143288	RS	10/21/21 21:00	
EPA 300.0	**Sulfate as SO4**	2080	mg/L	15.0	9.00	50	X143288	RS	10/21/21 21:15	D2

Cation/Anion Balance and TDS Ratios

Cation Sum: 45.9 meq/L Anion Sum: 45.3 meq/L C/A Balance: 0.60 % Calculated TDS: 2882 TDS/cTDS: 1.08

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Herman J. Haring
Project Manager

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0402**
Reported: 09-Nov-21 09:30

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	0.035	0.100	X144010	03-Nov-21	
EPA 200.7	Magnesium	mg/L	<0.500	0.045	0.500	X144010	03-Nov-21	
EPA 200.7	Potassium	mg/L	<0.50	0.09	0.50	X144010	03-Nov-21	
Metals (Dissolved)								
EPA 200.7	Aluminum	mg/L	<0.080	0.054	0.080	X144013	04-Nov-21	
EPA 200.7	Barium	mg/L	<0.0020	0.0019	0.0020	X144013	04-Nov-21	
EPA 200.7	Beryllium	mg/L	<0.00200	0.00080	0.00200	X144013	04-Nov-21	
EPA 200.7	Boron	mg/L	<0.0400	0.0078	0.0400	X144013	04-Nov-21	
EPA 200.7	Cadmium	mg/L	<0.0020	0.0016	0.0020	X144013	04-Nov-21	
EPA 200.7	Chromium	mg/L	<0.0060	0.0020	0.0060	X144013	04-Nov-21	
EPA 200.7	Cobalt	mg/L	<0.0060	0.0046	0.0060	X144013	04-Nov-21	
EPA 200.7	Copper	mg/L	<0.0100	0.0027	0.0100	X144013	04-Nov-21	
EPA 200.7	Iron	mg/L	<0.100	0.056	0.100	X144013	04-Nov-21	
EPA 200.7	Lead	mg/L	<0.0075	0.0049	0.0075	X144013	04-Nov-21	
EPA 200.7	Lithium	mg/L	<0.040	0.025	0.040	X144013	04-Nov-21	
EPA 200.7	Manganese	mg/L	<0.0080	0.0034	0.0080	X144013	04-Nov-21	
EPA 200.7	Molybdenum	mg/L	<0.0080	0.0034	0.0080	X144013	04-Nov-21	
EPA 200.7	Nickel	mg/L	<0.0100	0.0048	0.0100	X144013	04-Nov-21	
EPA 200.7	Silver	mg/L	<0.0050	0.0019	0.0050	X144013	04-Nov-21	
EPA 200.7	Sodium	mg/L	<0.50	0.12	0.50	X144013	04-Nov-21	
EPA 200.7	Vanadium	mg/L	<0.0050	0.0019	0.0050	X144013	04-Nov-21	
EPA 200.7	Zinc	mg/L	<0.0100	0.0054	0.0100	X144013	04-Nov-21	
EPA 200.8	Antimony	mg/L	<0.00300	0.00072	0.00300	X144038	03-Nov-21	
EPA 200.8	Arsenic	mg/L	<0.00300	0.00021	0.00300	X144038	03-Nov-21	
EPA 200.8	Selenium	mg/L	<0.00300	0.00024	0.00300	X144038	03-Nov-21	
EPA 200.8	Thallium	mg/L	<0.00100	0.00008	0.00100	X144038	03-Nov-21	
EPA 200.8	Uranium	mg/L	<0.00100	0.000052	0.00100	X144038	03-Nov-21	
Metals (Filtered)								
EPA 245.1	Mercury	mg/L	<0.000200	0.000093	0.000200	X145031	03-Nov-21	
Classical Chemistry Parameters								
ASTM D7237	Cyanide (free) @ pH 6	mg/L	<0.0050	0.0048	0.0050	X144092	27-Oct-21	
EPA 335.4	Cyanide (total)	mg/L	<0.0050	0.0038	0.0050	X144039	28-Oct-21	
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X145061	03-Nov-21	
OIA 1677	Cyanide (WAD)	mg/L	<0.0100	0.0010	0.0100	X144093	28-Oct-21	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	<10.0		10.0	X145005	01-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X145069	03-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X145069	03-Nov-21	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X145069	03-Nov-21	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0		1.0	X145069	03-Nov-21	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X144062	26-Oct-21	
SM 2540 D	Total Susp. Solids	mg/L	<5.0		5.0	X144063	26-Oct-21	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.14	0.20	X143288	21-Oct-21	
EPA 300.0	Fluoride	mg/L	<0.100	0.062	0.100	X143288	21-Oct-21	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X143288	21-Oct-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	<0.100	0.074	0.100	X143288	21-Oct-21	
EPA 300.0	Nitrite as N	mg/L	<0.050	0.031	0.050	X143288	21-Oct-21	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X143288	21-Oct-21	

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0402**
Reported: 09-Nov-21 09:30

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total Recoverable--reportable as Total per 40 CFR 136)									
EPA 200.7	Calcium	mg/L	20.4	20.0	102	85 - 115	X144010	03-Nov-21	
EPA 200.7	Magnesium	mg/L	19.7	20.0	98.5	85 - 115	X144010	03-Nov-21	
EPA 200.7	Potassium	mg/L	21.0	20.0	105	85 - 115	X144010	03-Nov-21	
Metals (Dissolved)									
EPA 200.7	Aluminum	mg/L	1.05	1.00	105	85 - 115	X144013	04-Nov-21	
EPA 200.7	Barium	mg/L	1.05	1.00	105	85 - 115	X144013	04-Nov-21	
EPA 200.7	Beryllium	mg/L	1.02	1.00	102	85 - 115	X144013	04-Nov-21	
EPA 200.7	Boron	mg/L	1.02	1.00	102	85 - 115	X144013	04-Nov-21	
EPA 200.7	Cadmium	mg/L	1.01	1.00	101	85 - 115	X144013	04-Nov-21	
EPA 200.7	Chromium	mg/L	1.00	1.00	100	85 - 115	X144013	04-Nov-21	
EPA 200.7	Cobalt	mg/L	0.990	1.00	99.0	85 - 115	X144013	04-Nov-21	
EPA 200.7	Copper	mg/L	0.999	1.00	99.9	85 - 115	X144013	04-Nov-21	
EPA 200.7	Iron	mg/L	10.8	10.0	108	85 - 115	X144013	04-Nov-21	
EPA 200.7	Lead	mg/L	0.876	1.00	87.6	85 - 115	X144013	04-Nov-21	
EPA 200.7	Lithium	mg/L	0.994	1.00	99.4	85 - 115	X144013	04-Nov-21	
EPA 200.7	Manganese	mg/L	1.01	1.00	101	85 - 115	X144013	04-Nov-21	
EPA 200.7	Molybdenum	mg/L	1.02	1.00	102	85 - 115	X144013	04-Nov-21	
EPA 200.7	Nickel	mg/L	0.981	1.00	98.1	85 - 115	X144013	04-Nov-21	
EPA 200.7	Silver	mg/L	0.0510	0.0500	102	85 - 115	X144013	04-Nov-21	
EPA 200.7	Sodium	mg/L	20.7	19.0	109	85 - 115	X144013	04-Nov-21	
EPA 200.7	Vanadium	mg/L	1.03	1.00	103	85 - 115	X144013	04-Nov-21	
EPA 200.7	Zinc	mg/L	1.01	1.00	101	85 - 115	X144013	04-Nov-21	
EPA 200.8	Antimony	mg/L	0.0237	0.0250	94.9	85 - 115	X144038	03-Nov-21	
EPA 200.8	Arsenic	mg/L	0.0249	0.0250	99.6	85 - 115	X144038	03-Nov-21	
EPA 200.8	Selenium	mg/L	0.0268	0.0250	107	85 - 115	X144038	03-Nov-21	
EPA 200.8	Thallium	mg/L	0.0246	0.0250	98.4	85 - 115	X144038	03-Nov-21	
EPA 200.8	Uranium	mg/L	0.0252	0.0250	101	85 - 115	X144038	03-Nov-21	
Metals (Filtered)									
EPA 245.1	Mercury	mg/L	0.00480	0.00500	96.0	85 - 115	X145031	03-Nov-21	
Classical Chemistry Parameters									
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.102	0.100	102	90 - 110	X144092	27-Oct-21	
EPA 335.4	Cyanide (total)	mg/L	0.0996	0.100	99.6	90 - 110	X144039	28-Oct-21	
EPA 350.1	Ammonia as N	mg/L	0.997	1.00	99.7	90 - 110	X145061	03-Nov-21	
OIA 1677	Cyanide (WAD)	mg/L	0.105	0.100	105	82 - 118	X144093	28-Oct-21	
SM 2310 B	Acidity to pH 8.3	mg/L as CaCO3	734	739	99.3	92.1 - 110	X145005	01-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.90	9.93	99.7	94.3 - 106	X145069	03-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	94.3 - 106	X145069	03-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	9.90	9.93	99.7	95.1 - 106	X145069	03-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	101	99.3	102	95.1 - 106	X145069	03-Nov-21	
SM 2540 D	Total Susp. Solids	mg/L	9.0	10.0	90.0	85 - 115	X144063	26-Oct-21	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.16	3.00	105	90 - 110	X143288	21-Oct-21	
EPA 300.0	Fluoride	mg/L	2.06	2.00	103	90 - 110	X143288	21-Oct-21	
EPA 300.0	Nitrate as N	mg/L	2.01	2.00	100	90 - 110	X143288	21-Oct-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.68	4.50	104	90 - 110	X143288	21-Oct-21	
EPA 300.0	Nitrite as N	mg/L	2.67	2.50	107	90 - 110	X143288	21-Oct-21	
EPA 300.0	Sulfate as SO4	mg/L	10.2	10.0	102	90 - 110	X143288	21-Oct-21	

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0402**
Reported: 09-Nov-21 09:30

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	X145005 - X1J0387-01	01-Nov-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0	<1.0	UDL	20	X145069 - X1J0402-01	03-Nov-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X145069 - X1J0402-01	03-Nov-21	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X145069 - X1J0402-01	03-Nov-21	
SM 2320 B	Hydroxide	mg/L as CaCO3	<1.0	<1.0	UDL	20	X145069 - X1J0402-01	03-Nov-21	
SM 2540 C	Total Diss. Solids	mg/L	201	202	0.5	10	X144062 - X1J0401-03	26-Oct-21	
SM 2540 C	Total Diss. Solids	mg/L	254	268	5.4	10	X144062 - X1J0402-02	26-Oct-21	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X144063 - X1J0401-03	26-Oct-21	
SM 2540 D	Total Susp. Solids	mg/L	<5.0	<5.0	UDL	10	X144063 - X1J0402-02	26-Oct-21	
SM 4500 H B	pH @21.0°C	pH Units	4.5	4.5	0.0	20	X145069 - X1J0402-01	03-Nov-21	

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	59.9	38.8	20.0	106	70 - 130	X144010 - X1J0401-01	03-Nov-21	
EPA 200.7	Magnesium	mg/L	23.4	3.92	20.0	97.6	70 - 130	X144010 - X1J0401-01	03-Nov-21	
EPA 200.7	Potassium	mg/L	31.2	9.91	20.0	107	70 - 130	X144010 - X1J0401-01	03-Nov-21	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	32.3	32.3	1.00	0.30R>S	70 - 130	X144013 - X1J0402-01	04-Nov-21	M3
EPA 200.7	Aluminum	mg/L	4.20	2.62	1.00	158	70 - 130	X144013 - X1J0406-05	04-Nov-21	M1
EPA 200.7	Barium	mg/L	0.886	0.0194	1.00	86.7	70 - 130	X144013 - X1J0402-01	04-Nov-21	
EPA 200.7	Barium	mg/L	0.989	<0.0020	1.00	98.9	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Beryllium	mg/L	0.895	0.0544	1.00	84.1	70 - 130	X144013 - X1J0402-01	04-Nov-21	R2B
EPA 200.7	Beryllium	mg/L	0.840	<0.00200	1.00	83.9	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Boron	mg/L	0.900	<0.0400	1.00	86.8	70 - 130	X144013 - X1J0402-01	04-Nov-21	
EPA 200.7	Boron	mg/L	1.04	0.0516	1.00	98.4	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Cadmium	mg/L	1.02	0.137	1.00	88.3	70 - 130	X144013 - X1J0402-01	04-Nov-21	R2B
EPA 200.7	Cadmium	mg/L	0.852	0.0052	1.00	84.6	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Chromium	mg/L	0.867	<0.0060	1.00	86.7	70 - 130	X144013 - X1J0402-01	04-Nov-21	R2B
EPA 200.7	Chromium	mg/L	0.819	<0.0060	1.00	81.9	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Cobalt	mg/L	0.953	0.0805	1.00	87.2	70 - 130	X144013 - X1J0402-01	04-Nov-21	R2B
EPA 200.7	Cobalt	mg/L	0.837	0.0189	1.00	81.8	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Copper	mg/L	0.987	0.0390	1.00	94.8	70 - 130	X144013 - X1J0402-01	04-Nov-21	R2B
EPA 200.7	Copper	mg/L	2.54	1.79	1.00	75.2	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Iron	mg/L	9.50	<0.100	10.0	95.0	70 - 130	X144013 - X1J0402-01	04-Nov-21	
EPA 200.7	Iron	mg/L	10.4	<0.100	10.0	104	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Lead	mg/L	0.867	<0.0075	1.00	86.7	70 - 130	X144013 - X1J0402-01	04-Nov-21	R2B
EPA 200.7	Lead	mg/L	0.814	<0.0075	1.00	81.4	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Lithium	mg/L	0.782	<0.040	1.00	78.2	70 - 130	X144013 - X1J0402-01	04-Nov-21	
EPA 200.7	Lithium	mg/L	0.953	<0.040	1.00	92.1	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Manganese	mg/L	23.4	23.6	1.00	0.30R>S	70 - 130	X144013 - X1J0402-01	04-Nov-21	M3
EPA 200.7	Manganese	mg/L	2.58	1.34	1.00	124	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Molybdenum	mg/L	0.894	<0.0080	1.00	89.4	70 - 130	X144013 - X1J0402-01	04-Nov-21	R2B
EPA 200.7	Molybdenum	mg/L	0.835	<0.0080	1.00	83.5	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Nickel	mg/L	1.18	0.317	1.00	86.4	70 - 130	X144013 - X1J0402-01	04-Nov-21	R2B
EPA 200.7	Nickel	mg/L	0.799	<0.0100	1.00	79.9	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Silver	mg/L	0.0394	<0.0050	0.0500	78.7	70 - 130	X144013 - X1J0402-01	04-Nov-21	
EPA 200.7	Silver	mg/L	0.0490	<0.0050	0.0500	98.0	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Sodium	mg/L	61.4	43.8	19.0	93.0	70 - 130	X144013 - X1J0402-01	04-Nov-21	
EPA 200.7	Sodium	mg/L	30.3	9.40	19.0	110	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Vanadium	mg/L	0.923	<0.0050	1.00	91.8	70 - 130	X144013 - X1J0402-01	04-Nov-21	R2B

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0402**
Reported: 09-Nov-21 09:30

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	Vanadium	mg/L	0.856	<0.0050	1.00	85.6	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.7	Zinc	mg/L	7.44	6.85	1.00	0.30R>S	70 - 130	X144013 - X1J0402-01	04-Nov-21	M3
EPA 200.7	Zinc	mg/L	1.98	1.07	1.00	91.6	70 - 130	X144013 - X1J0406-05	04-Nov-21	
EPA 200.8	Antimony	mg/L	0.0255	<0.00300	0.0250	102	70 - 130	X144038 - X1J0402-01	03-Nov-21	
EPA 200.8	Arsenic	mg/L	0.0292	0.00457	0.0250	98.4	70 - 130	X144038 - X1J0402-01	03-Nov-21	
EPA 200.8	Selenium	mg/L	0.0537	0.0274	0.0250	105	70 - 130	X144038 - X1J0402-01	03-Nov-21	
EPA 200.8	Thallium	mg/L	0.0241	<0.00100	0.0250	96.4	70 - 130	X144038 - X1J0402-01	03-Nov-21	
EPA 200.8	Uranium	mg/L	0.0698	0.0452	0.0250	98.1	70 - 130	X144038 - X1J0402-01	03-Nov-21	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00108	<0.000200	0.00100	108	70 - 130	X145031 - X1J0426-03	03-Nov-21	
EPA 245.1	Mercury	mg/L	0.00103	<0.000200	0.00100	103	70 - 130	X145031 - X1J0450-05	03-Nov-21	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.104	<0.0050	0.100	104	79 - 121	X144092 - X1J0387-01	27-Oct-21	
EPA 335.4	Cyanide (total)	mg/L	0.101	<0.0050	0.100	101	90 - 110	X144039 - X1J0387-01	28-Oct-21	
EPA 335.4	Cyanide (total)	mg/L	0.100	<0.0050	0.100	100	90 - 110	X144039 - X1J0402-01	28-Oct-21	
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X145061 - X1J0387-01	03-Nov-21	
EPA 350.1	Ammonia as N	mg/L	1.06	<0.030	1.00	106	90 - 110	X145061 - X1J0402-01	03-Nov-21	
OIA 1677	Cyanide (WAD)	mg/L	0.102	<0.0100	0.100	101	82 - 118	X144093 - X1J0387-01	28-Oct-21	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.88	1.71	3.00	106	90 - 110	X143288 - X1J0401-04	21-Oct-21	
EPA 300.0	Fluoride	mg/L	2.08	<0.100	2.00	104	90 - 110	X143288 - X1J0401-04	21-Oct-21	
EPA 300.0	Nitrate as N	mg/L	2.01	<0.050	2.00	101	90 - 110	X143288 - X1J0401-04	21-Oct-21	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.09	<0.100	4.00	102	90 - 110	X143288 - X1J0401-04	21-Oct-21	
EPA 300.0	Nitrite as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X143288 - X1J0401-04	21-Oct-21	
EPA 300.0	Sulfate as SO4	mg/L	12.1	1.87	10.0	102	90 - 110	X143288 - X1J0401-04	21-Oct-21	

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	59.1	59.9	20.0	1.3	20	102	X144010 - X1J0401-01	
EPA 200.7	Magnesium	mg/L	23.3	23.4	20.0	0.8	20	96.7	X144010 - X1J0401-01	
EPA 200.7	Potassium	mg/L	30.9	31.2	20.0	1.1	20	105	X144010 - X1J0401-01	
Metals (Dissolved)										
EPA 200.7	Aluminum	mg/L	32.7	32.3	1.00	1.1	20	0.30R>S	X144013 - X1J0402-01	M3
EPA 200.7	Barium	mg/L	0.892	0.886	1.00	0.7	20	87.3	X144013 - X1J0402-01	
EPA 200.7	Beryllium	mg/L	1.23	0.895	1.00	31.4	20	117	X144013 - X1J0402-01	R2B
EPA 200.7	Boron	mg/L	0.942	0.900	1.00	4.6	20	91.0	X144013 - X1J0402-01	
EPA 200.7	Cadmium	mg/L	1.34	1.02	1.00	26.7	20	120	X144013 - X1J0402-01	R2B
EPA 200.7	Chromium	mg/L	1.18	0.867	1.00	30.2	20	118	X144013 - X1J0402-01	R2B
EPA 200.7	Cobalt	mg/L	1.26	0.953	1.00	28.1	20	118	X144013 - X1J0402-01	R2B
EPA 200.7	Copper	mg/L	1.32	0.987	1.00	28.5	20	128	X144013 - X1J0402-01	R2B
EPA 200.7	Iron	mg/L	10.1	9.50	10.0	5.9	20	101	X144013 - X1J0402-01	
EPA 200.7	Lead	mg/L	1.18	0.867	1.00	30.4	20	118	X144013 - X1J0402-01	R2B
EPA 200.7	Lithium	mg/L	0.815	0.782	1.00	4.2	20	81.5	X144013 - X1J0402-01	
EPA 200.7	Manganese	mg/L	24.3	23.4	1.00	3.4	20	0.30R>S	X144013 - X1J0402-01	M3
EPA 200.7	Molybdenum	mg/L	1.21	0.894	1.00	30.2	20	121	X144013 - X1J0402-01	R2B
EPA 200.7	Nickel	mg/L	1.50	1.18	1.00	23.6	20	118	X144013 - X1J0402-01	R2B

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Project Name: Cripple Creek/Victor Water and Soil 2021
Work Order: **X1J0402**
Reported: 09-Nov-21 09:30

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved) (Continued)										
EPA 200.7	Silver	mg/L	0.0425	0.0394	0.0500	7.6	20	84.9	X144013 - X1J0402-01	
EPA 200.7	Sodium	mg/L	62.0	61.4	19.0	1.0	20	96.2	X144013 - X1J0402-01	
EPA 200.7	Vanadium	mg/L	1.25	0.923	1.00	30.1	20	124	X144013 - X1J0402-01	R2B
EPA 200.7	Zinc	mg/L	7.90	7.44	1.00	5.9	20	104	X144013 - X1J0402-01	
EPA 200.8	Antimony	mg/L	0.0253	0.0255	0.0250	0.7	20	101	X144038 - X1J0402-01	
EPA 200.8	Arsenic	mg/L	0.0315	0.0292	0.0250	7.5	20	108	X144038 - X1J0402-01	
EPA 200.8	Selenium	mg/L	0.0593	0.0537	0.0250	10.0	20	128	X144038 - X1J0402-01	
EPA 200.8	Thallium	mg/L	0.0232	0.0241	0.0250	3.9	20	92.7	X144038 - X1J0402-01	
EPA 200.8	Uranium	mg/L	0.0715	0.0698	0.0250	2.5	20	105	X144038 - X1J0402-01	
Metals (Filtered)										
EPA 245.1	Mercury	mg/L	0.00121	0.00108	0.00100	11.5	20	121	X145031 - X1J0426-03	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6	mg/L	0.106	0.104	0.100	1.9	11	106	X144092 - X1J0387-01	
EPA 335.4	Cyanide (total)	mg/L	0.0994	0.101	0.100	1.9	20	99.4	X144039 - X1J0387-01	
EPA 350.1	Ammonia as N	mg/L	1.04	1.02	1.00	1.6	20	104	X145061 - X1J0387-01	
OIA 1677	Cyanide (WAD)	mg/L	0.107	0.102	0.100	4.8	11	106	X144093 - X1J0387-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	4.88	4.88	3.00	0.0	20	106	X143288 - X1J0401-04	
EPA 300.0	Fluoride	mg/L	2.09	2.08	2.00	0.1	20	104	X143288 - X1J0401-04	
EPA 300.0	Nitrate as N	mg/L	2.02	2.01	2.00	0.3	20	101	X143288 - X1J0401-04	
EPA 300.0	Nitrate+Nitrite as N	mg/L	4.11	4.09	4.00	0.3	20	103	X143288 - X1J0401-04	
EPA 300.0	Nitrite as N	mg/L	2.09	2.08	2.00	0.3	20	104	X143288 - X1J0401-04	
EPA 300.0	Sulfate as SO4	mg/L	12.1	12.1	10.0	0.3	20	102	X143288 - X1J0401-04	

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(208) 784-1258
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Newmont - Cripple Creek & Victor	**Project Name: Cripple Creek/Victor Water and Soil 2021**
Post Office Box 191	Work Order: **X1J0402**
Victor, CO 80860	Reported: 09-Nov-21 09:30

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
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.
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

STATE OF COLORADO

Russell - DNR, Elliott <elliott.russell@state.co.us>

M-1980-244 - Grassy Valley Monthly Data

Ronald Parratt <Ronald.Parratt@newmont.com> Wed, Nov 10, 2021 at 6:44 AM
To: "elliott.russell@state.co.us" <elliott.russell@state.co.us>
Cc: Justin Raglin <Justin.Raglin@newmont.com>

Good Morning Mr. Russell

Please see the attached file containing the requested monthly data for Grassy Valley (graphs and analytical reports).

Ronald Parratt

Site Water Coordinator

Water & Energy Specialist

Newmont NORTH AMERICA

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Grassy_Monthly October 2021 Data.pdf
480K