STATE OF COLORADO

Eschberger - DNR, Amy <amy.eschberger@state.co.us>

CC&V - Monthly GVMW-25 update

Ronald Parratt <Ronald.Parratt@newmont.com> Tue, Jun 7, 2022 at 6:39 AM
To: "Eschberger - DNR, Amy" <amy.eschberger@state.co.us>
Cc: Katie Blake <Katie.Blake@newmont.com>, Justin Raglin <Justin.Raglin@newmont.com>

Good Morning Ms. Eschberger,

Please see the attached graphs and analytical report for Grassy Valley monitoring well GVMW-25 for the month of May, 2022.

Best Regards,

Ron

Ronald Parratt

Site Water Coordinator

Water & Energy Specialist

Newmont NORTH AMERICA

100 North 3rd Street

Victor, Colorado 80860

O 719.851.4019

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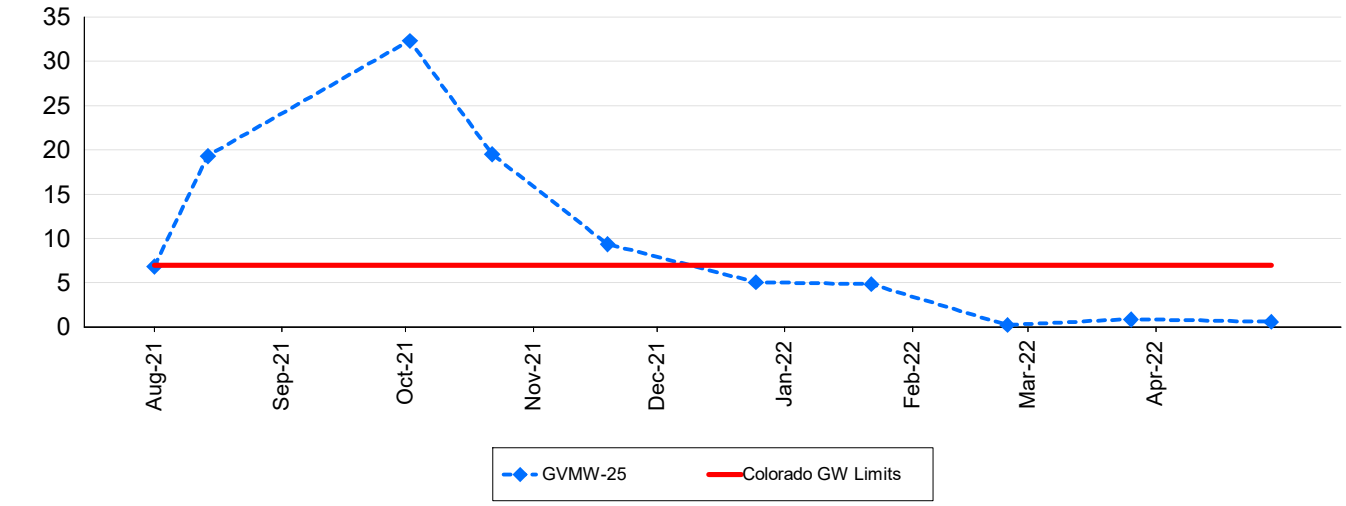
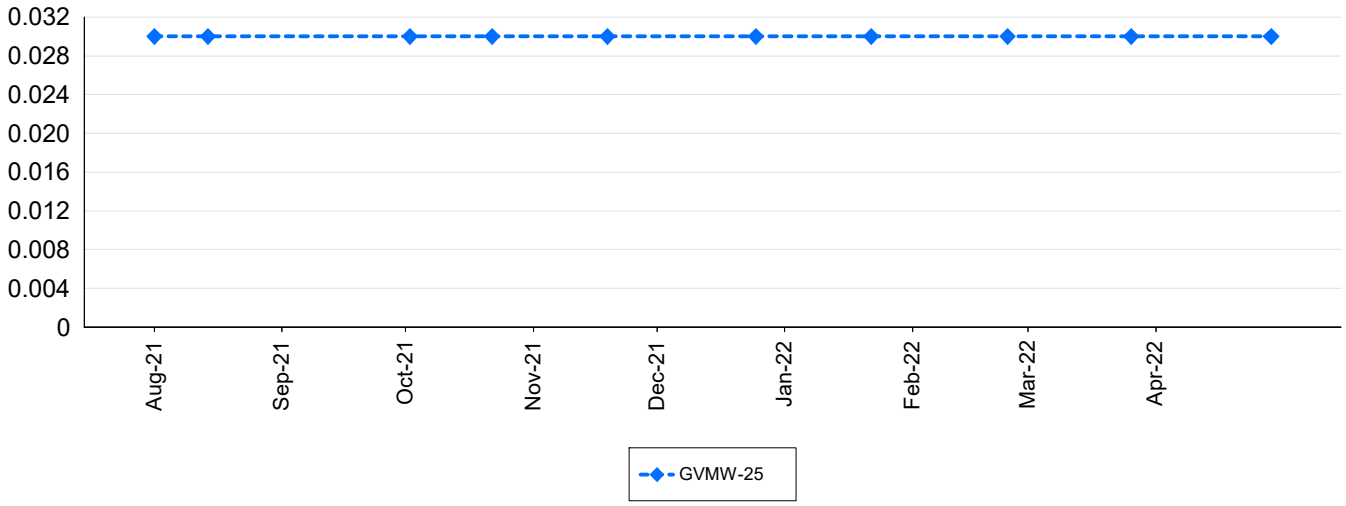
NEWMONT.COM

GVMW-25 May 2022 Update Report.pdf

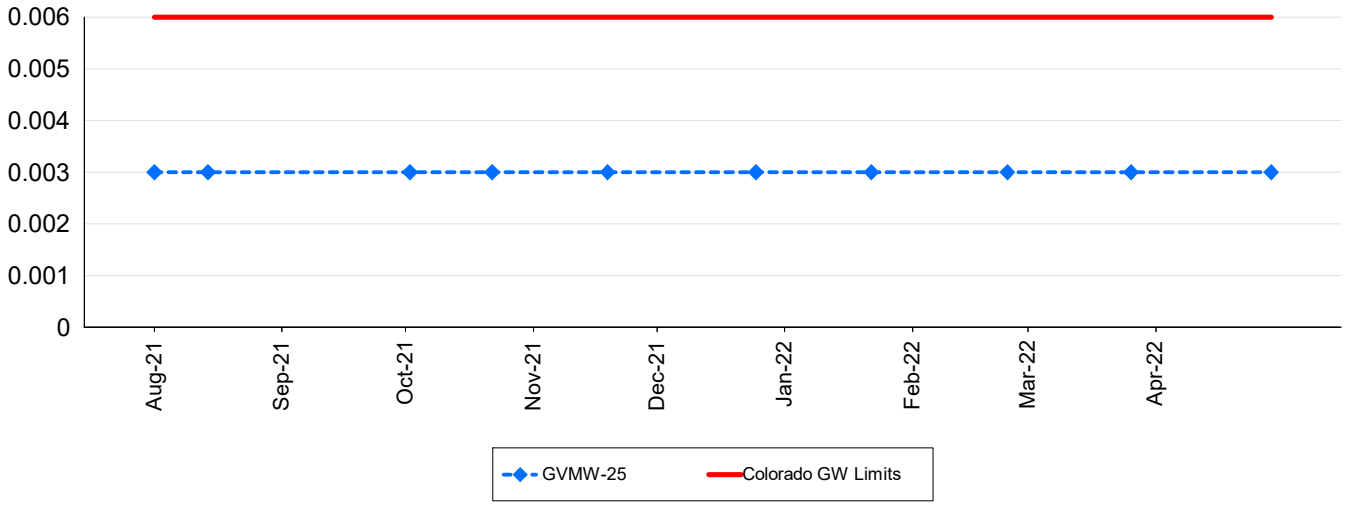
: Aluminium - Dissolved (mg/L)



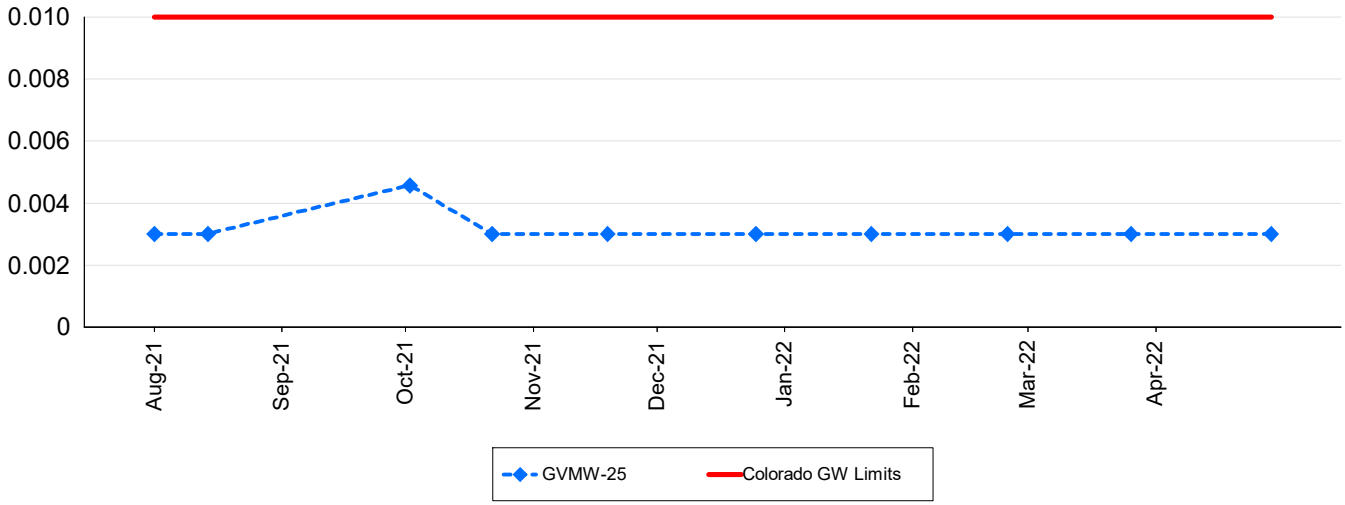
: Ammonia (mg/L)



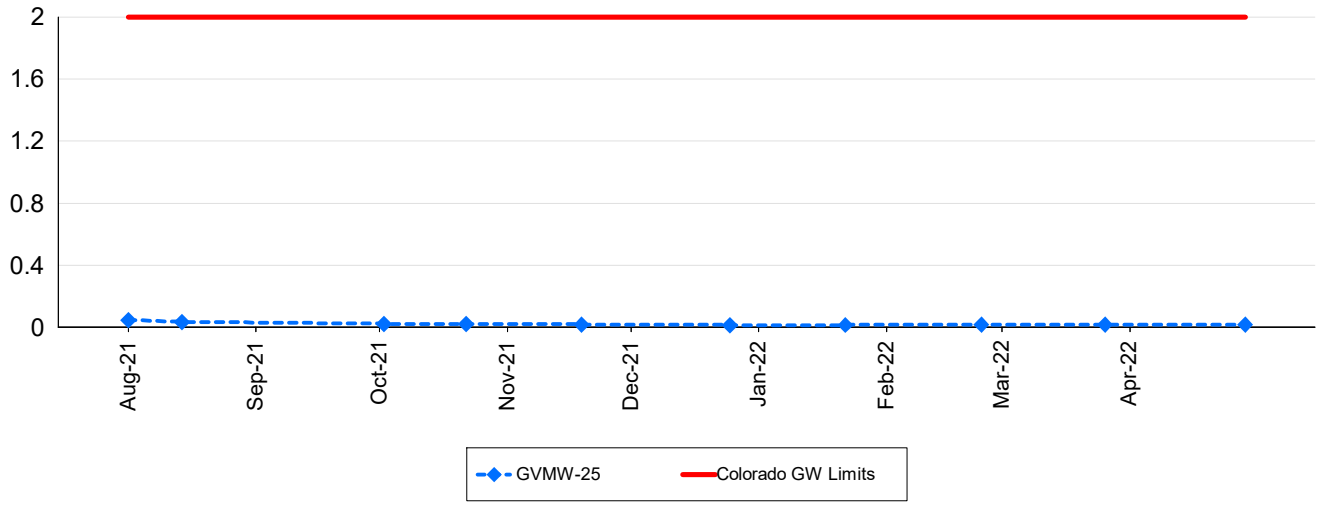
: Antimony - Dissolved (mg/L)



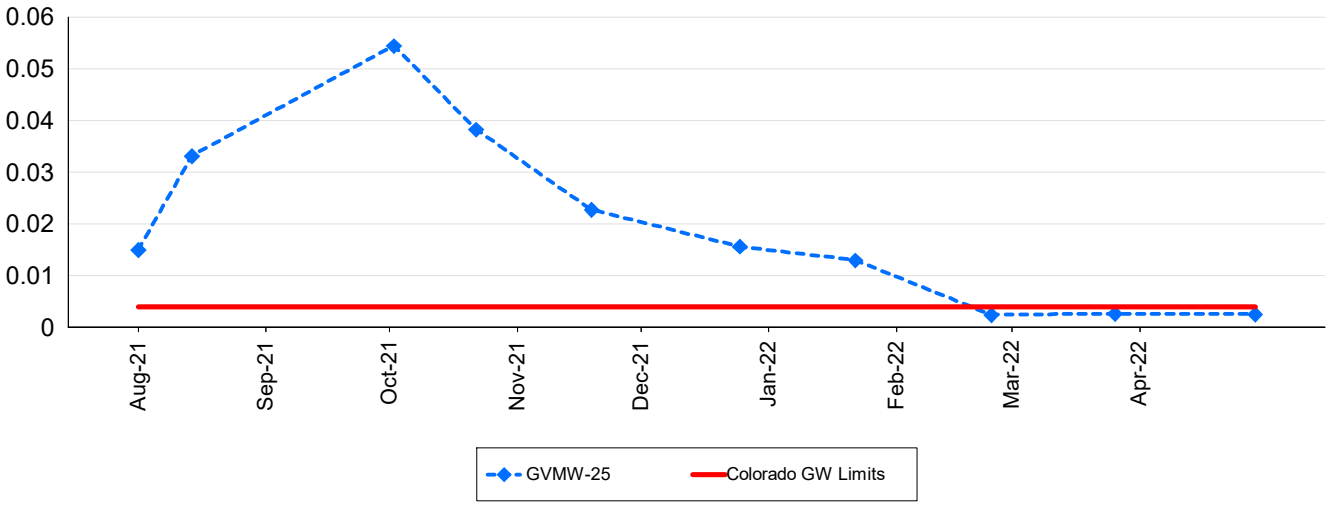
: Arsenic - Dissolved (mg/L)



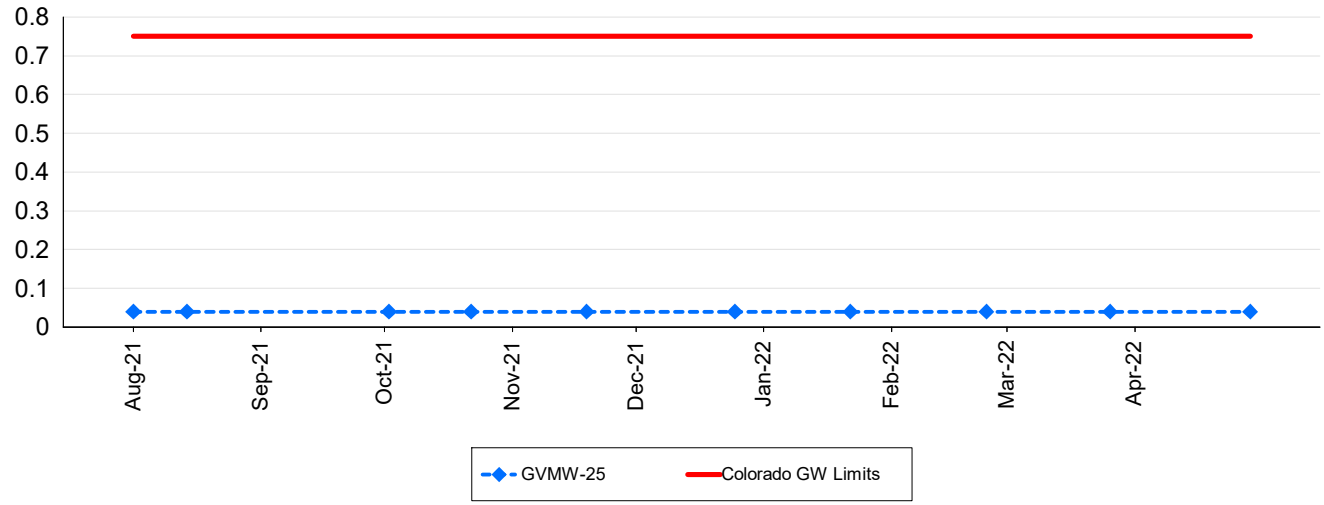
: Barium - Dissolved (mg/L)



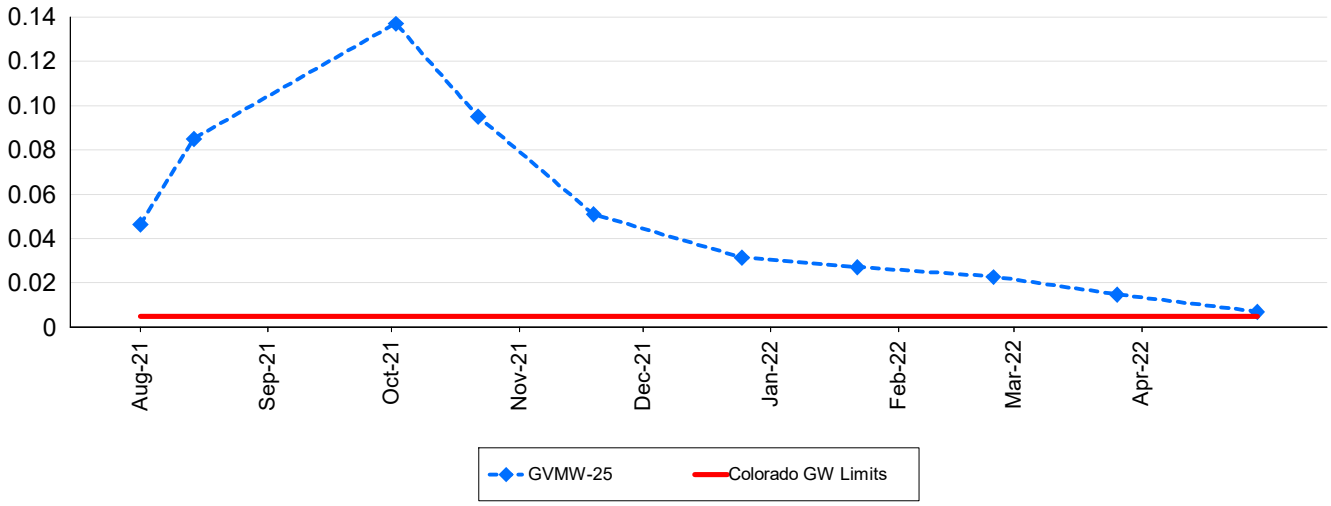
: Beryllium - Dissolved (mg/L)



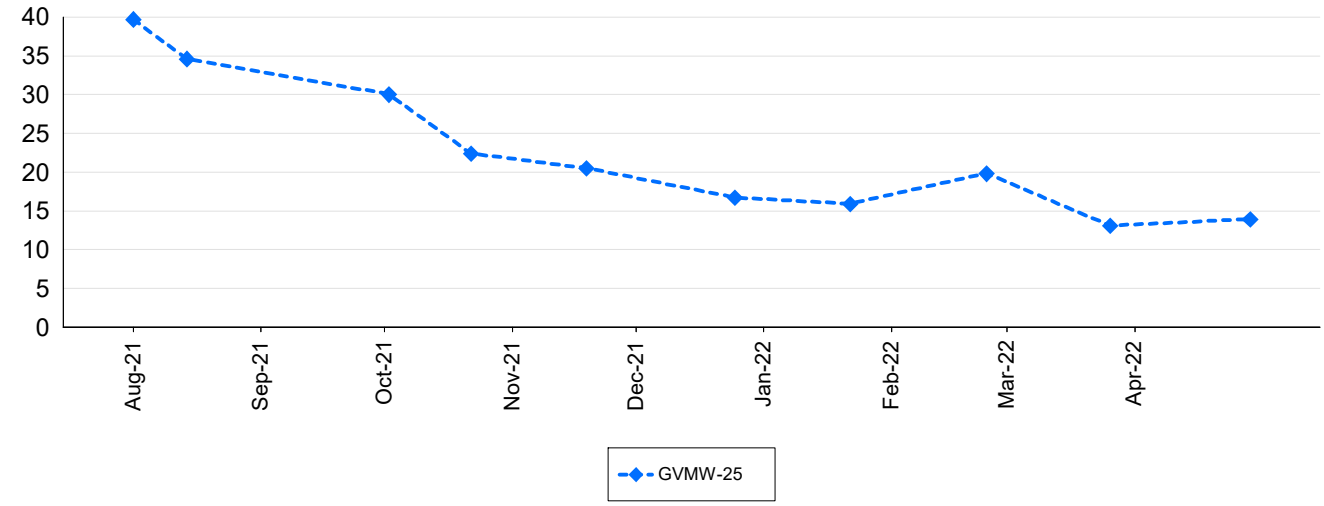
: Boron - Dissolved (mg/L)



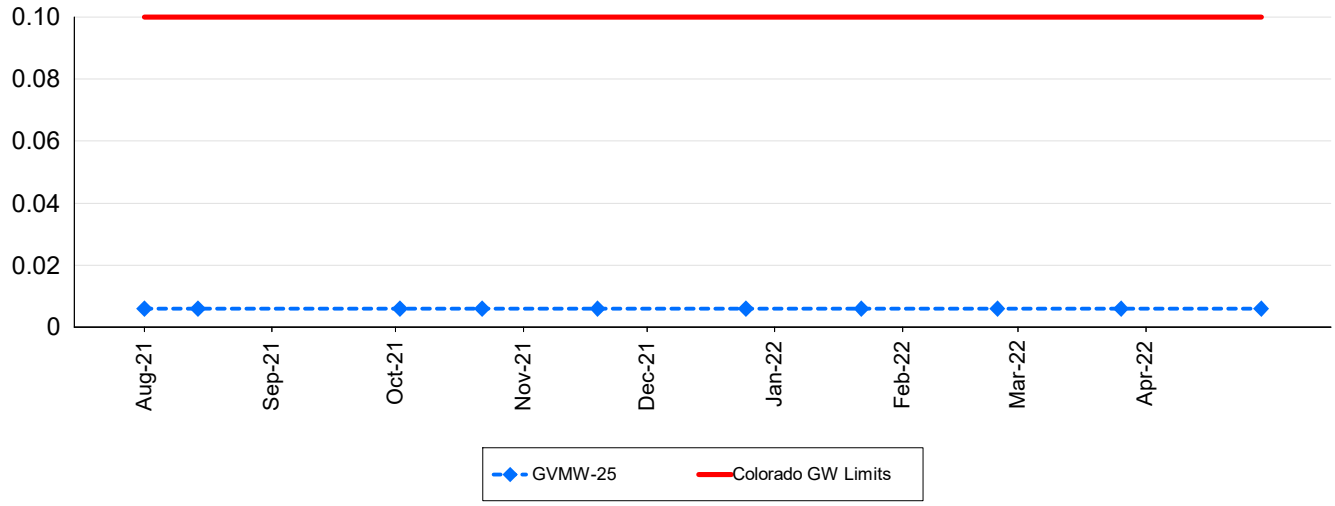
: Cadmium - Dissolved (mg/L)



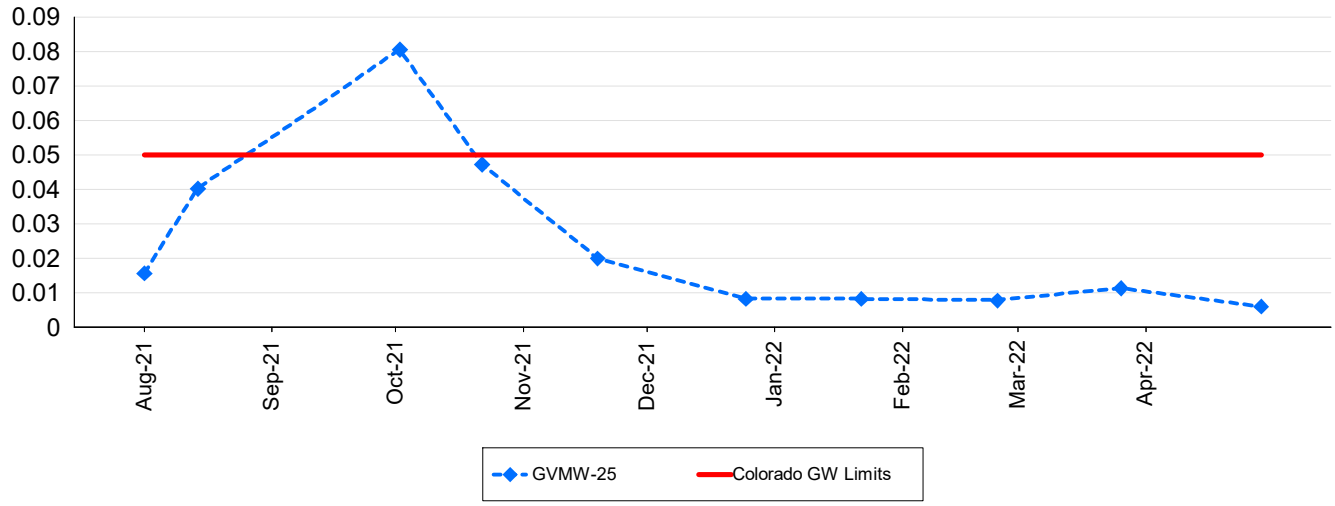
: Chloride - Total (mg/L)



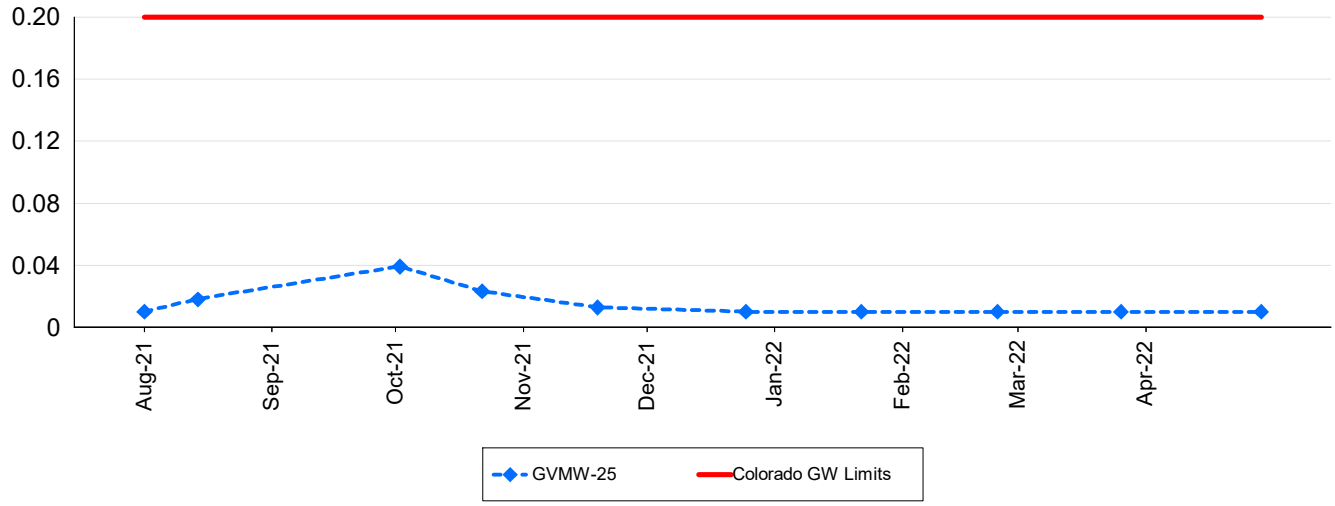
: Chromium - Dissolved (mg/L)



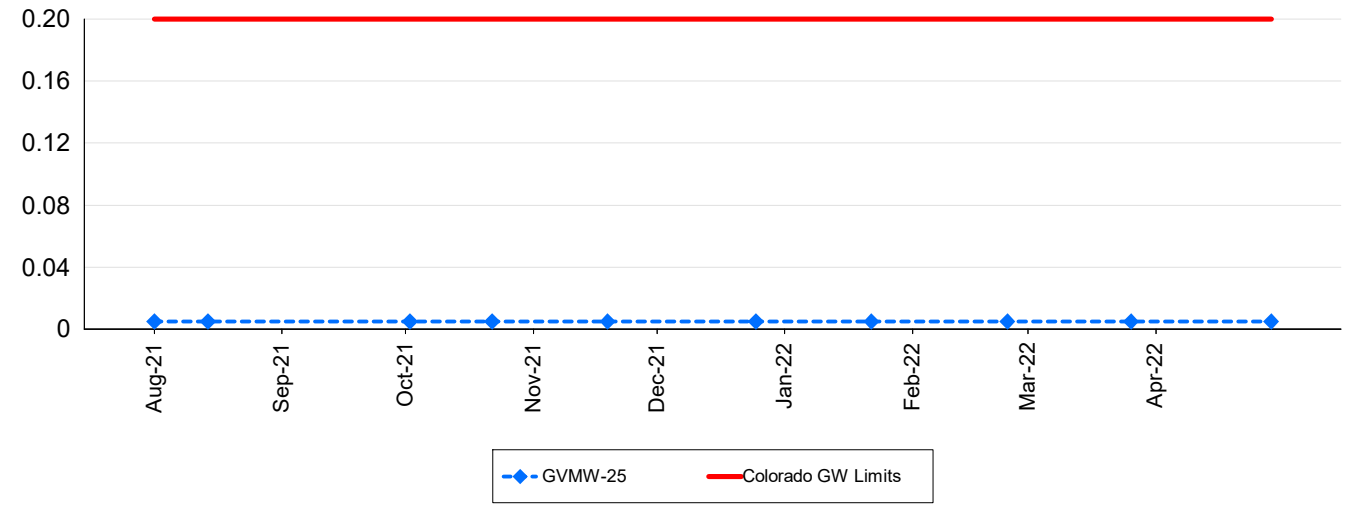
: Cobalt - Dissolved (mg/L)



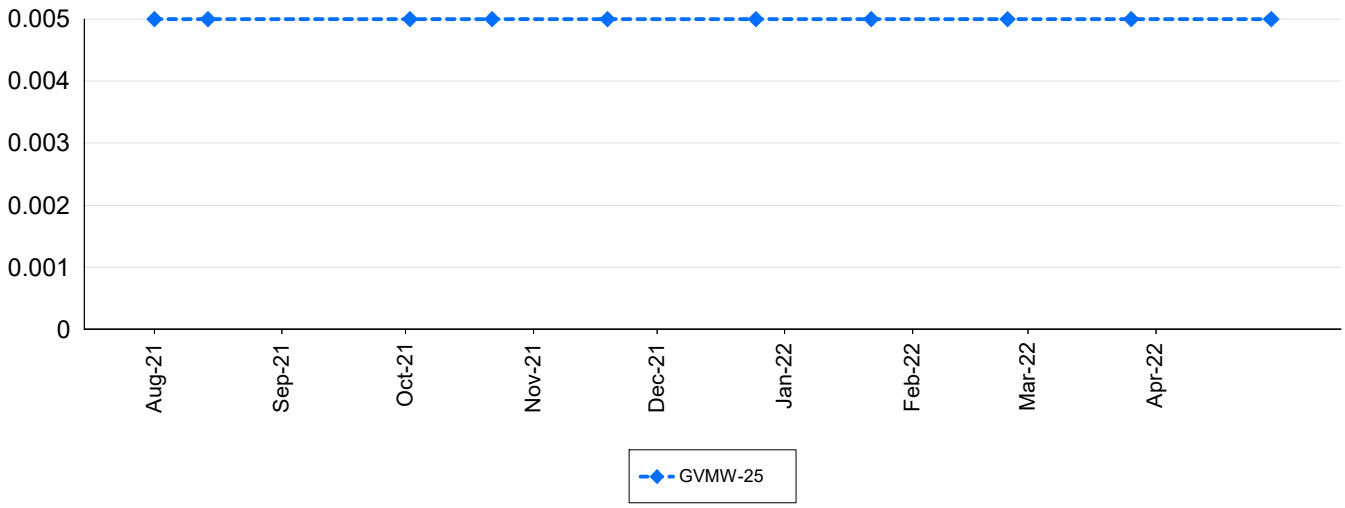
: Copper - Dissolved (mg/L)



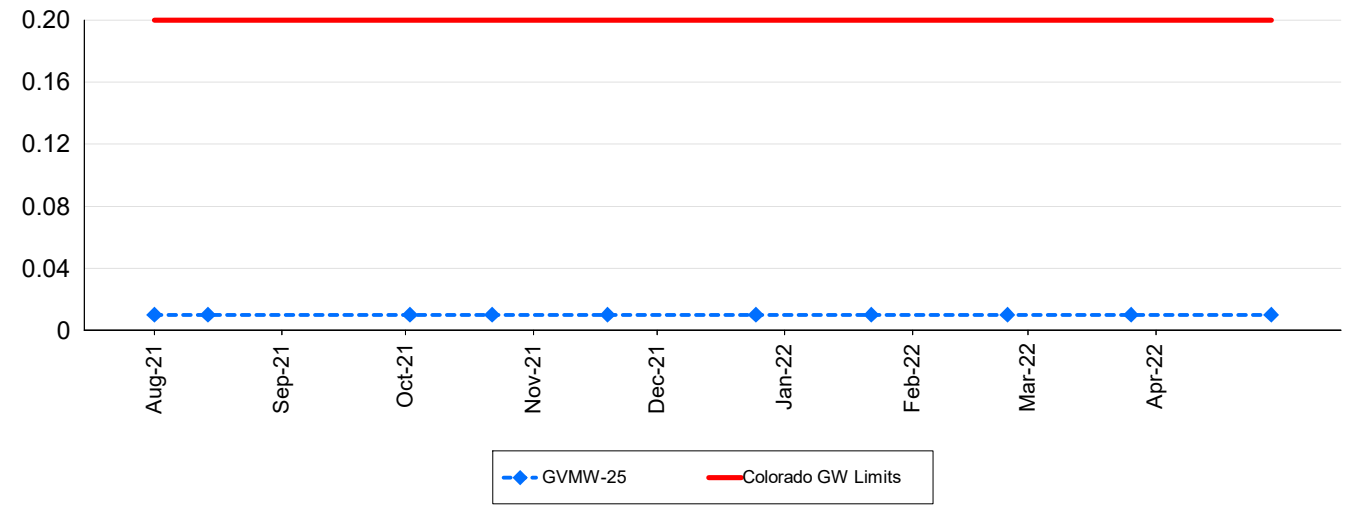
: Cyanide - Free (mg/L)



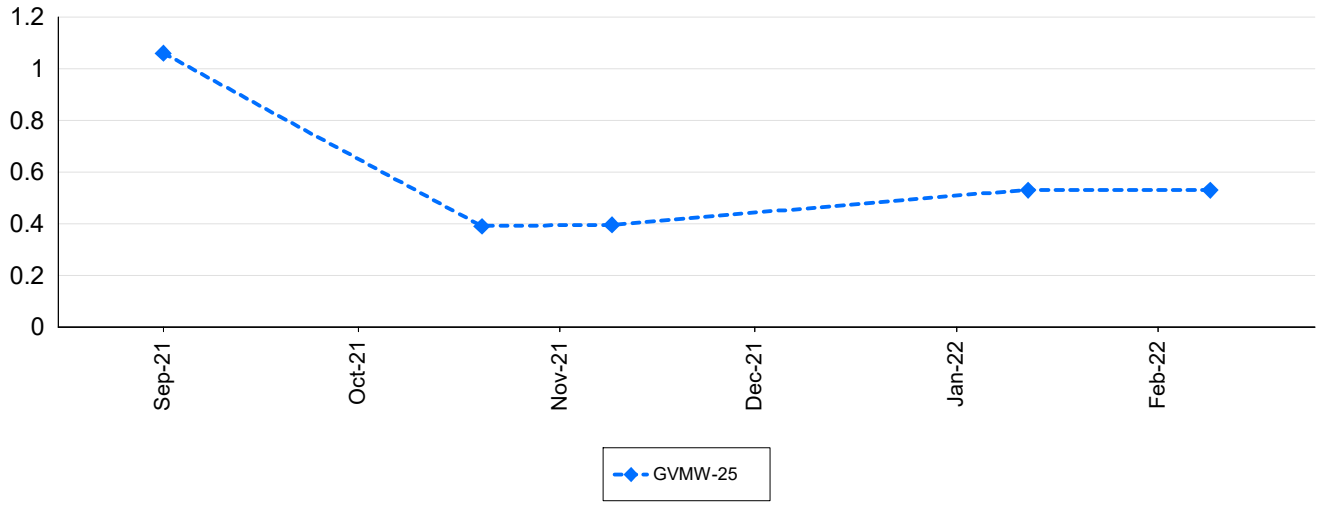
: Cyanide - Total (mg/L)



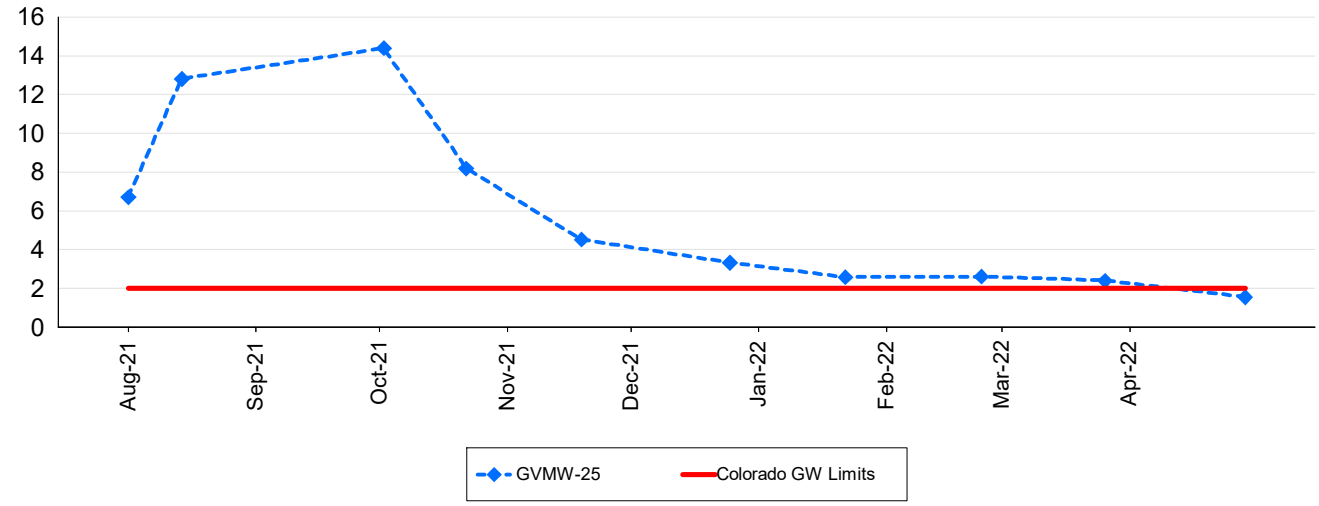
: Cyanide - WAD (mg/L)



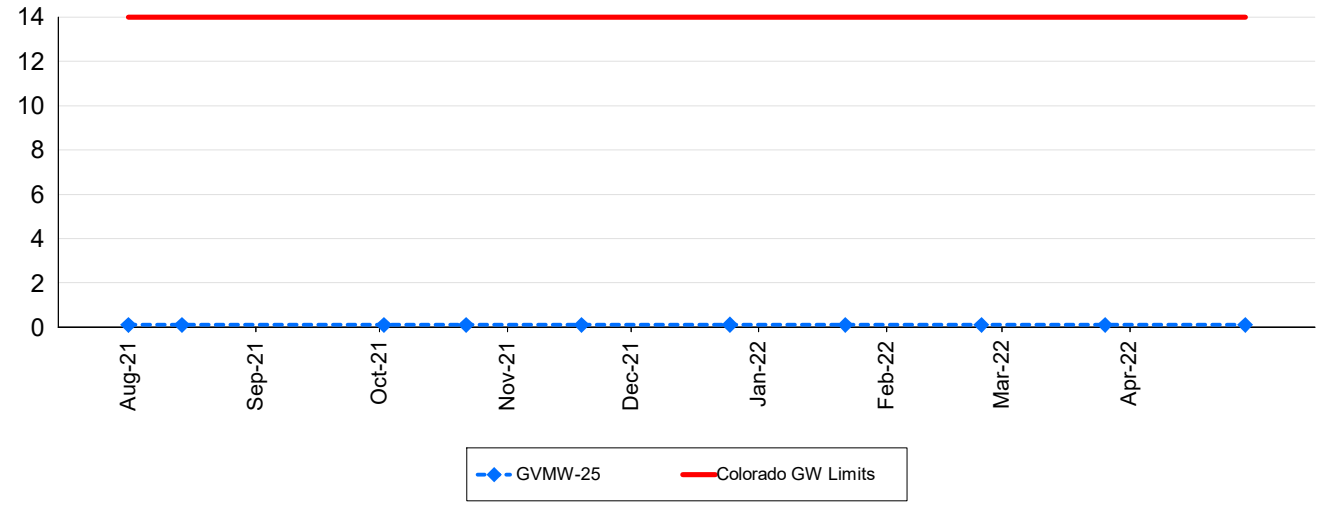
: Flow (gpm)



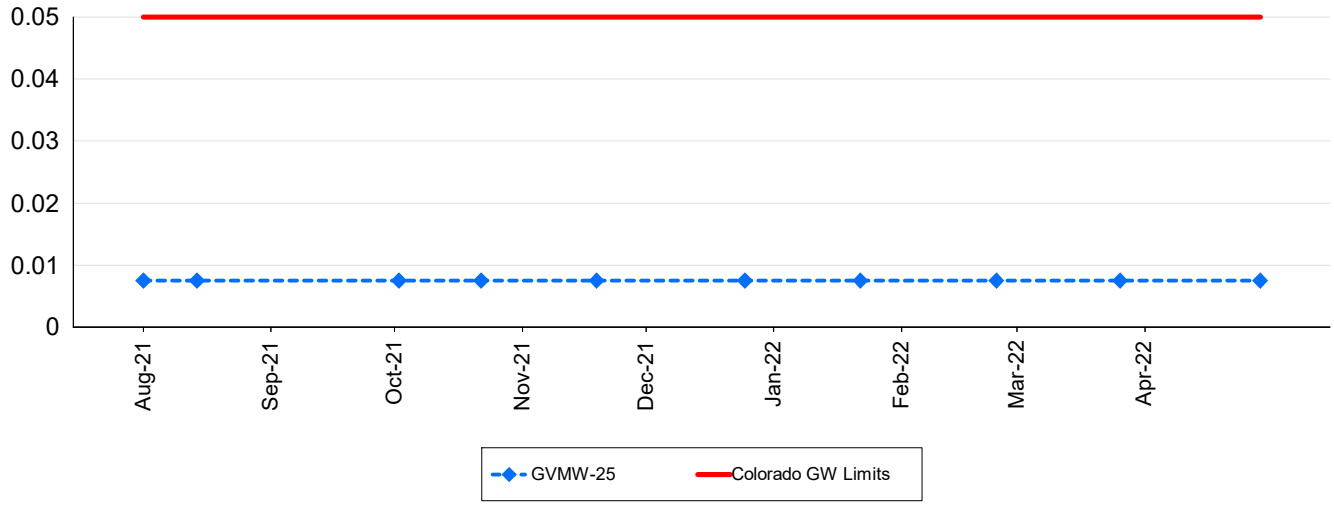
: Fluoride - Total F (mg/L)



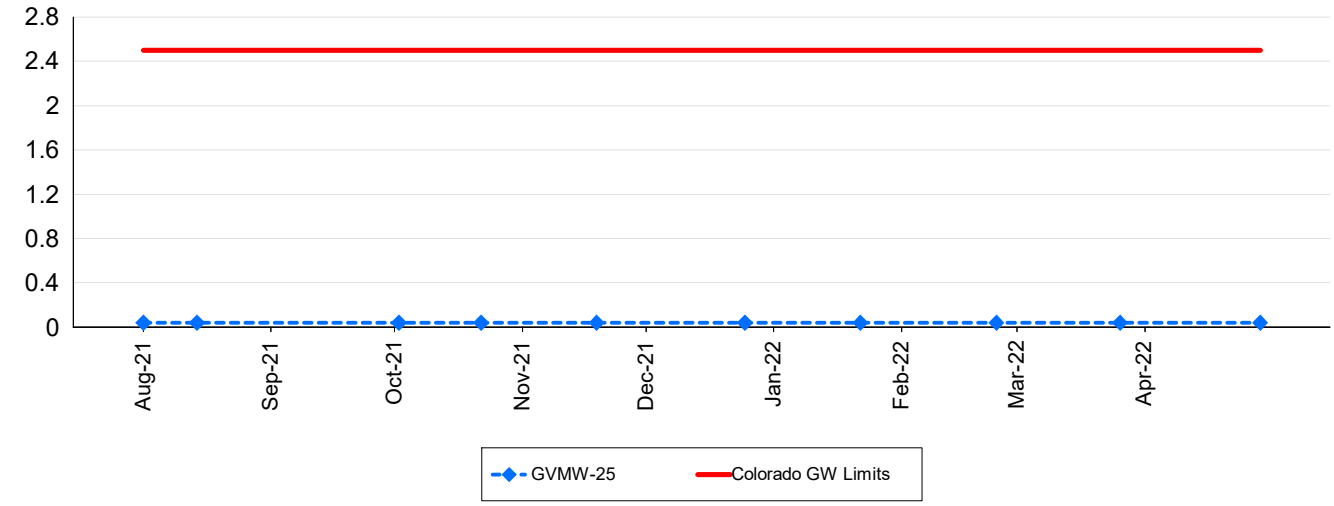
: Iron - Dissolved (mg/L)



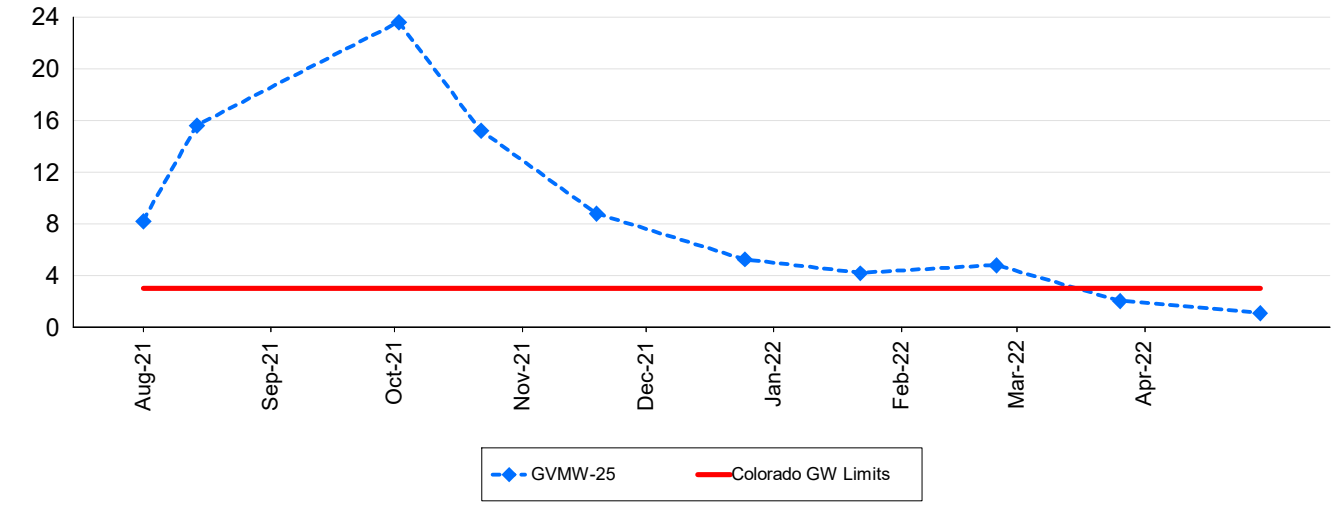
: Lead - Dissolved (mg/L)



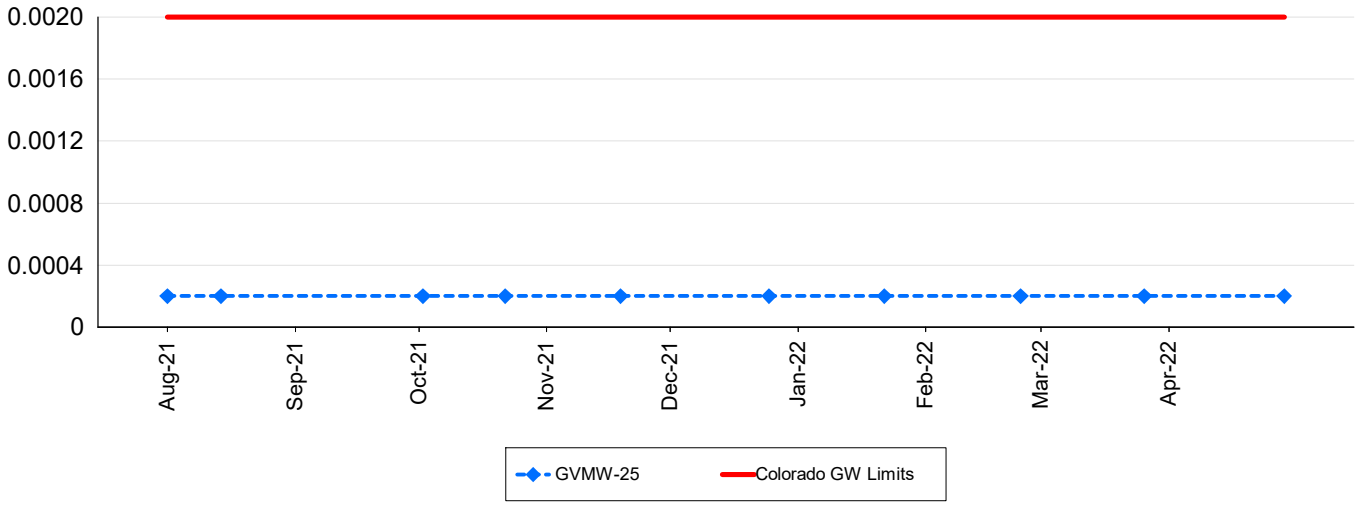
: Lithium - Dissolved (mg/L)



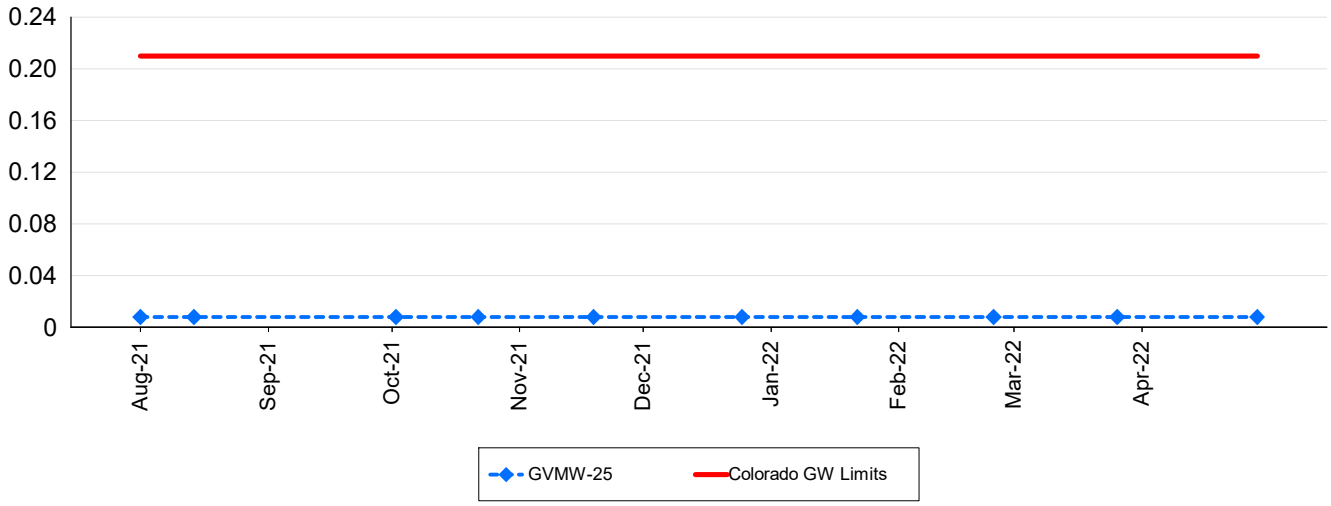
: Manganese - Dissolved (mg/L)



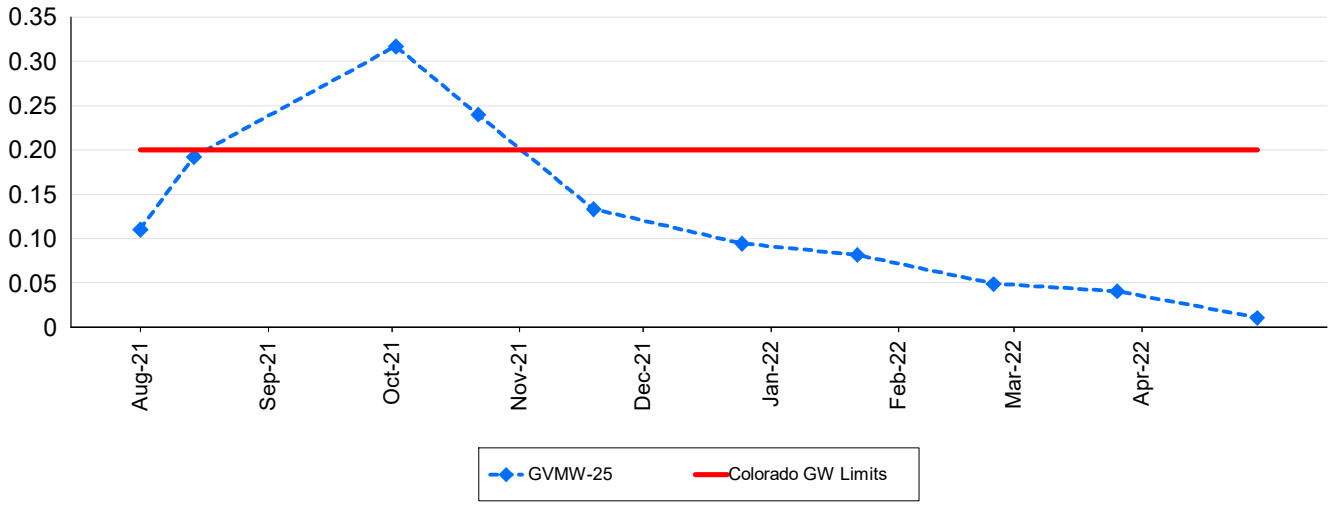
: Mercury - Dissolved (mg/L)



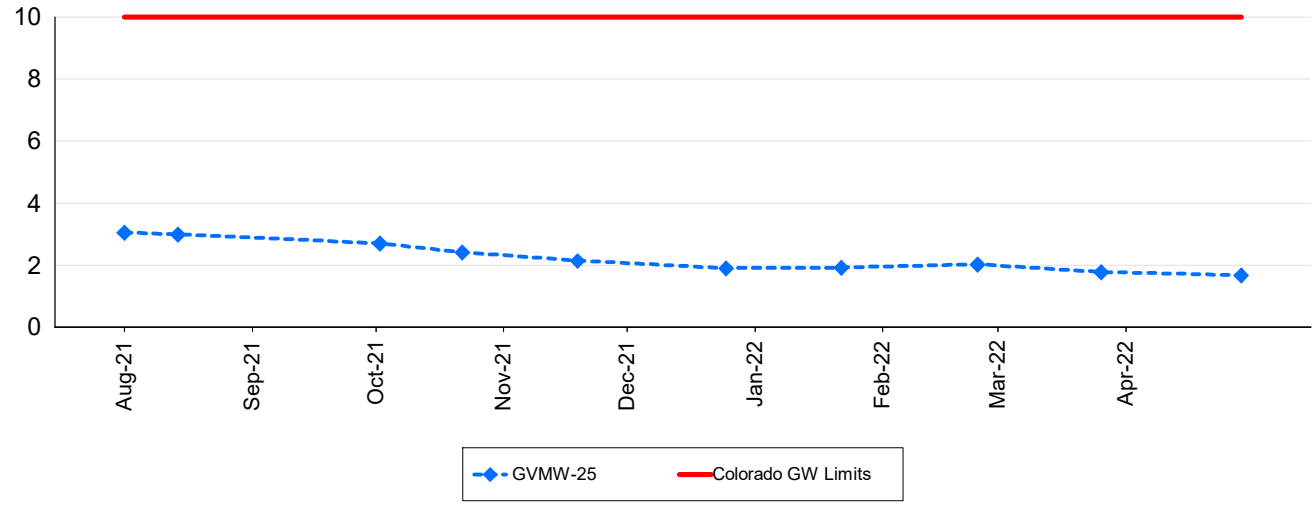
: Molybdenum - Dissolved (mg/L)



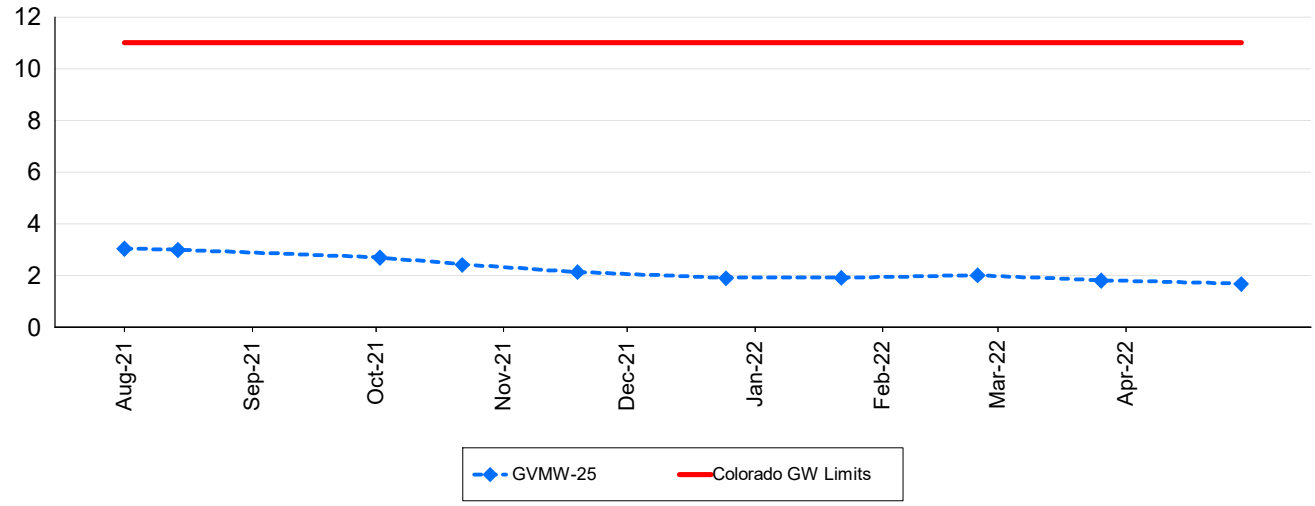
: Nickel - Dissolved (mg/L)



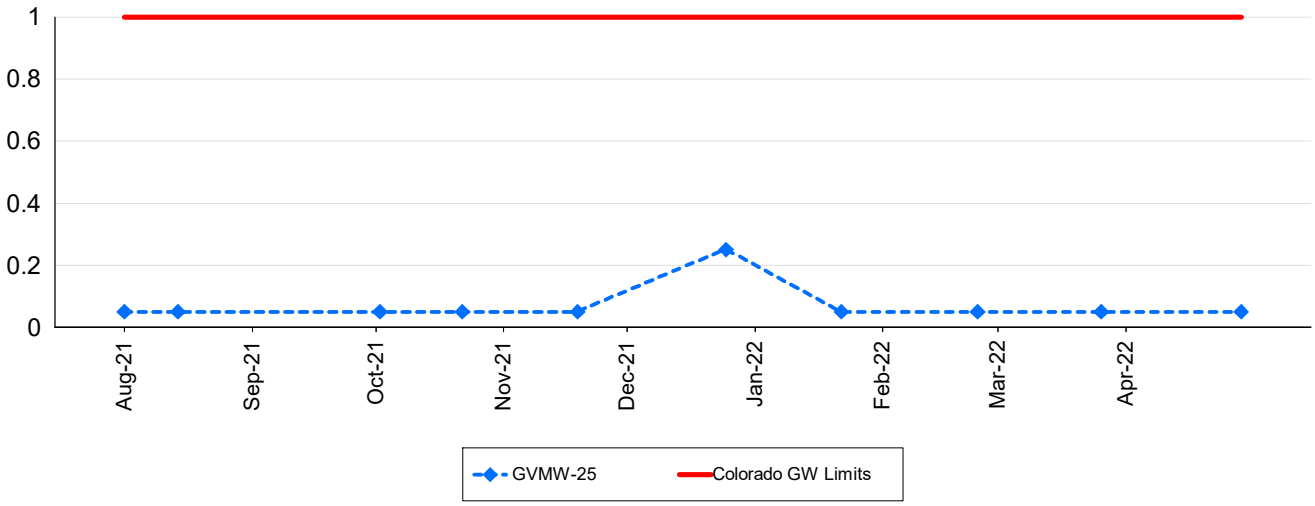
: Nitrate as Nitrogen (mg/L)



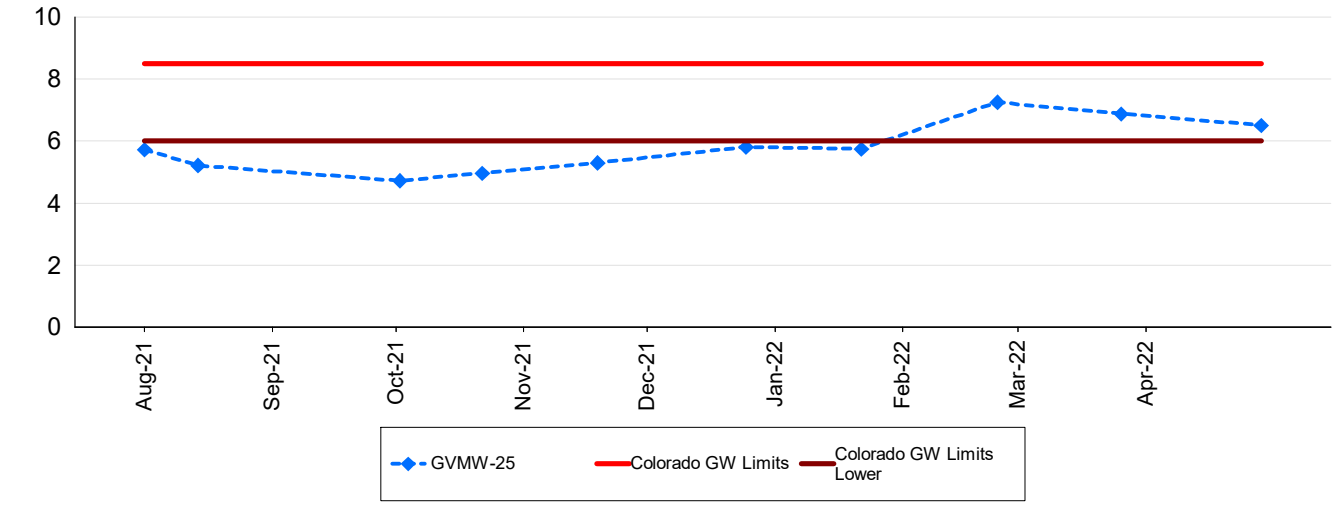
: Nitrite + Nitrate as Nitrogen (mg/L)



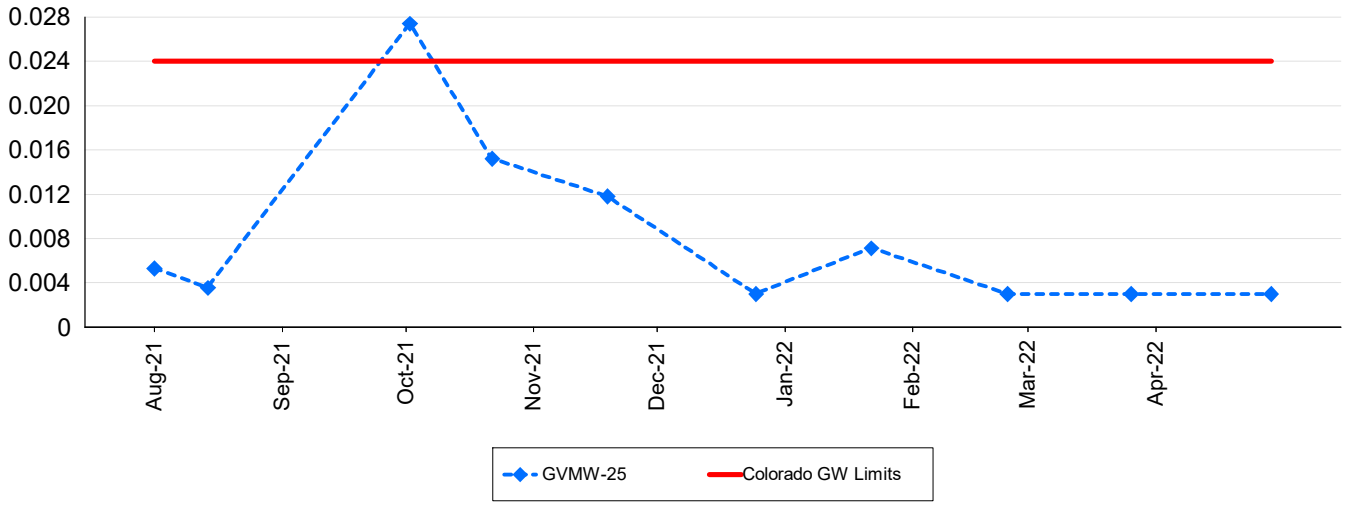
: Nitrite as Nitrogen (mg/L)



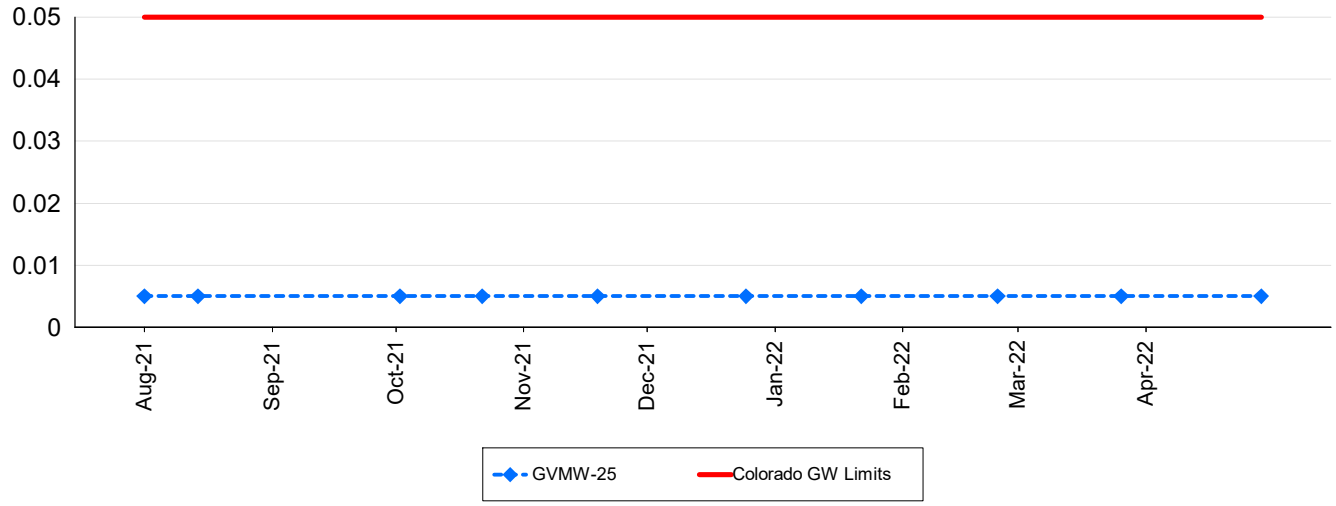
: pH Field (pH unit)



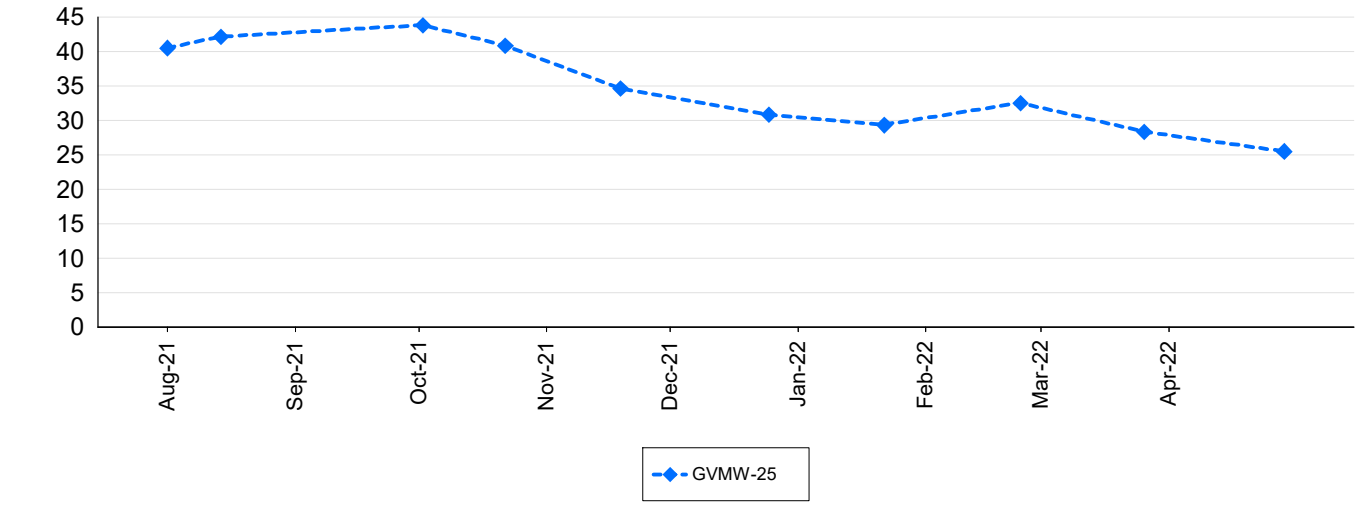
: Selenium - Dissolved (mg/L)



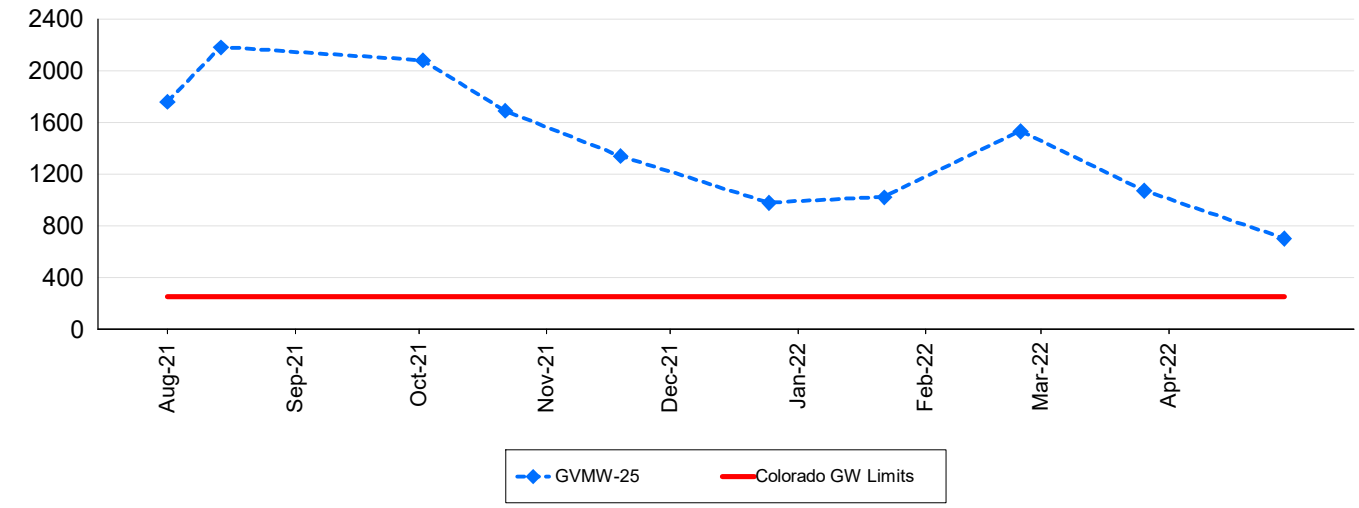
: Silver - Dissolved (mg/L)



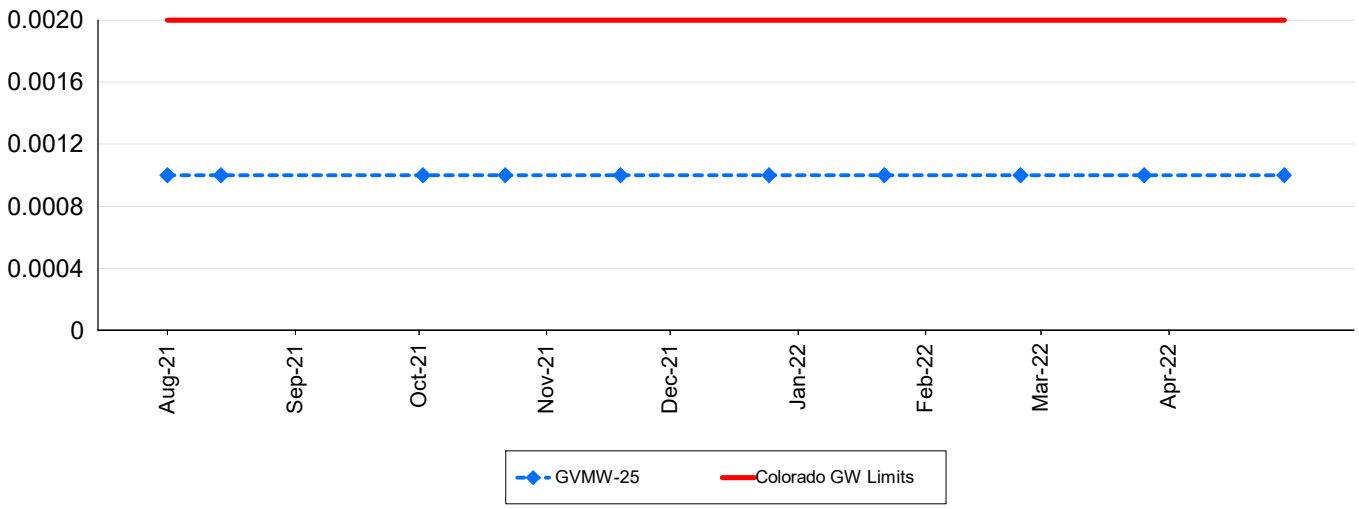
: Sodium - Dissolved (mg/L)



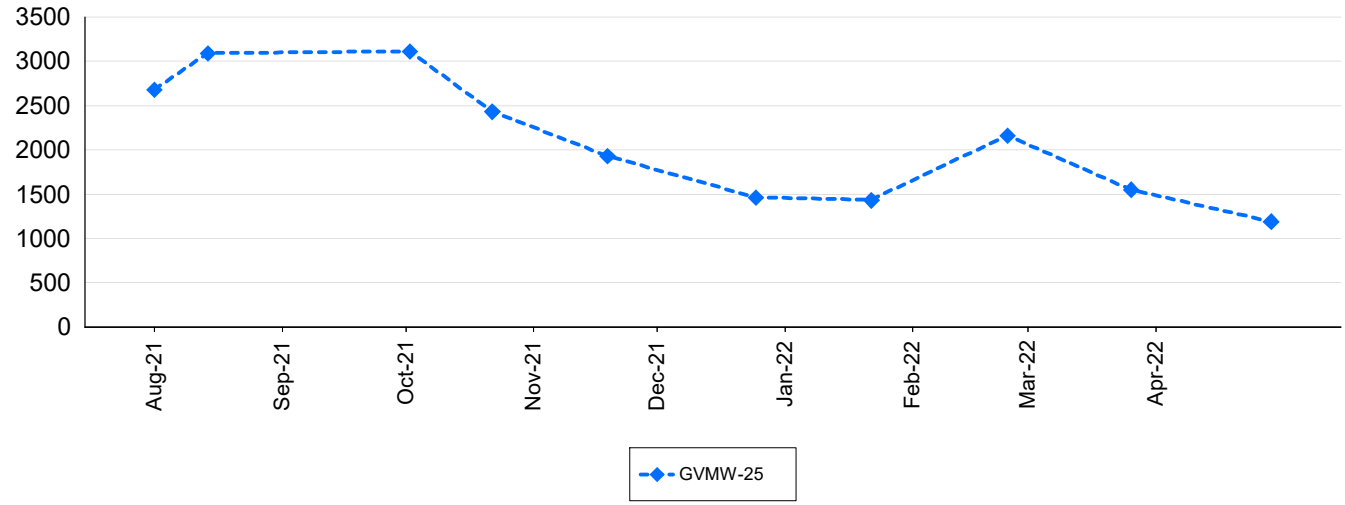
: Sulfate - Total (mg/L)



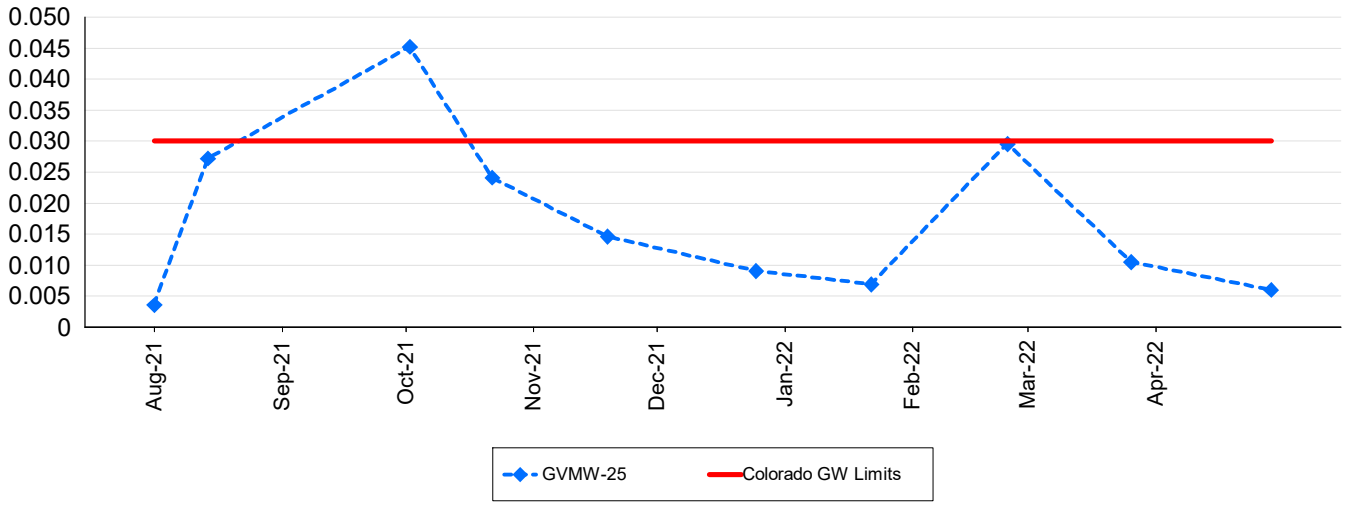
: Thallium - Dissolved (mg/L)



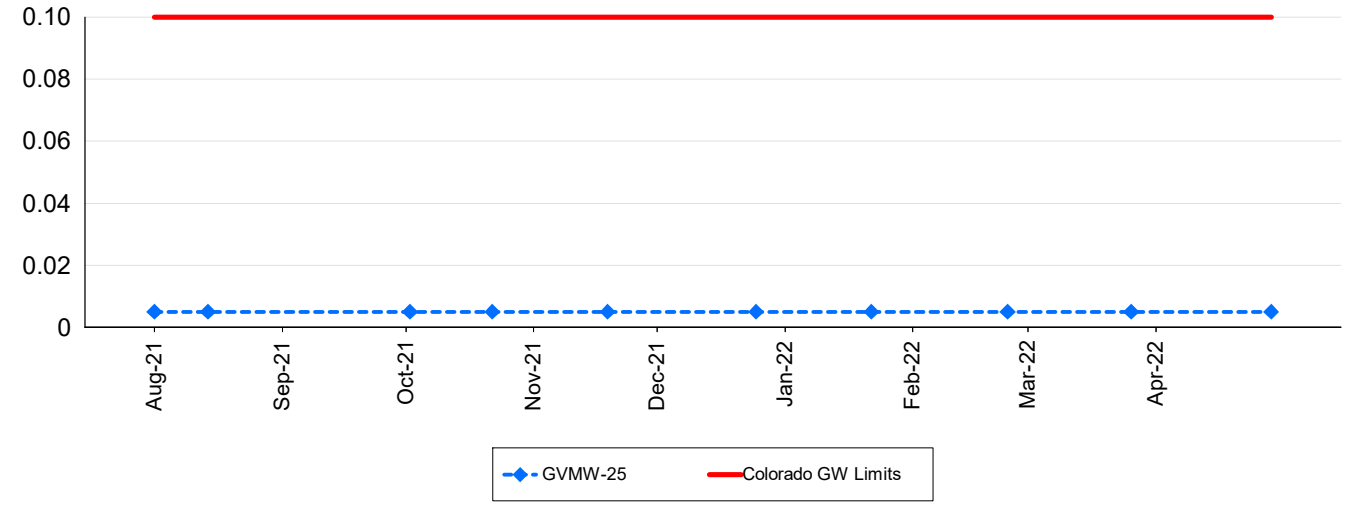
: Total Dissolved Solids (mg/L)

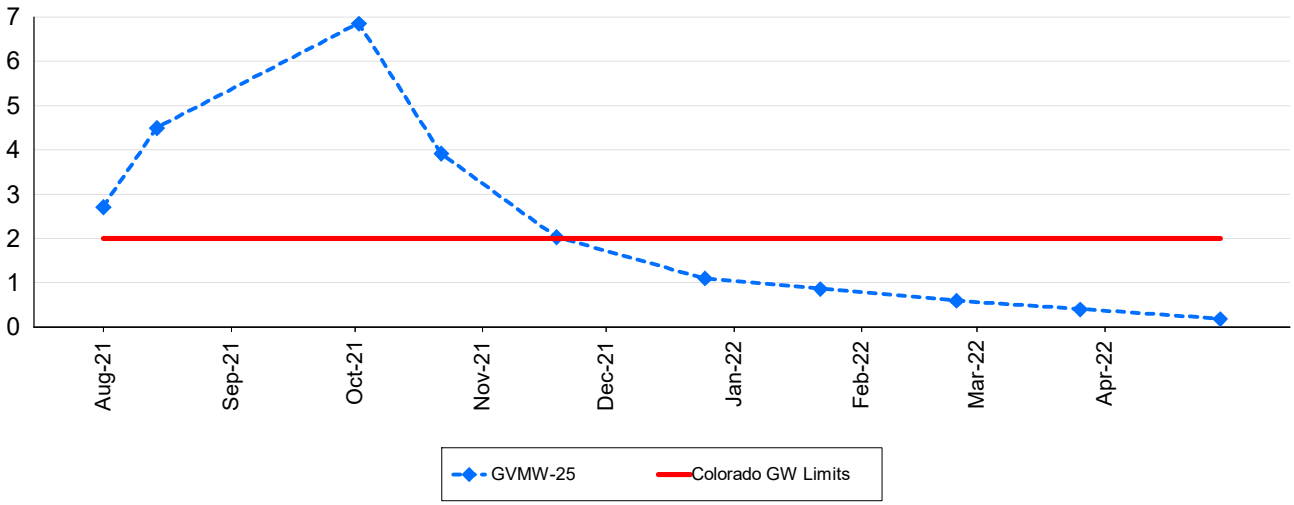


: Uranium - Dissolved (mg/L)



: Vanadium - Dissolved (mg/L)




: Zinc - Dissolved (mg/L)
7
6
5
4
3
2
1
0
Aug-21
Sep-21
Oct-21
Nov-21
Dec-21
Jan-22
Feb-22
Mar-22
Apr-22
GVMW-25
Colorado GW Limits

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 2022
Work Order: **X2E0277**
Reported: 02-Jun-22 10:34

Client Sample ID: **GVMW-25**
SVL Sample ID: **X2E0277-02 (Ground Water)**

Sampled: 17-May-22 10:10
Received: 18-May-22
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**	200	mg/L	0.100	0.035		X221129	AS	05/26/22 09:43	
EPA 200.7	**Magnesium**	45.1	mg/L	0.500	0.045		X221129	AS	05/26/22 09:43	
EPA 200.7	**Potassium**	4.85	mg/L	0.50	0.09		X221129	AS	05/26/22 09:43	
SM 2340 B	**Hardness (as CaCO3)**	686	mg/L	2.31	0.271		N/A		05/26/22 09:43	
Metals (Dissolved)										
EPA 200.7	**Aluminum**	0.601	mg/L	0.080	0.054		X221128	AS	05/26/22 09:05	
EPA 200.7	**Barium**	0.0162	mg/L	0.0020	0.0019		X221128	AS	05/26/22 09:05	
EPA 200.7	**Beryllium**	0.00249	mg/L	0.00200	0.00080		X221128	AS	05/26/22 09:05	
EPA 200.7	Boron	< 0.0400	mg/L	0.0400	0.0078		X221128	AS	05/26/22 09:05	
EPA 200.7	**Cadmium**	0.0069	mg/L	0.0020	0.0016		X221128	AS	05/26/22 09:05	
EPA 200.7	Chromium	< 0.0060	mg/L	0.0060	0.0020		X221128	AS	05/26/22 09:05	
EPA 200.7	Cobalt	< 0.0060	mg/L	0.0060	0.0046		X221128	AS	05/26/22 09:05	
EPA 200.7	Copper	< 0.0100	mg/L	0.0100	0.0027		X221128	AS	05/26/22 09:05	
EPA 200.7	Iron	< 0.100	mg/L	0.100	0.056		X221128	AS	05/26/22 09:05	
EPA 200.7	Lead	< 0.0075	mg/L	0.0075	0.0049		X221128	AS	05/26/22 09:05	
EPA 200.7	Lithium	< 0.040	mg/L	0.040	0.025		X221128	AS	05/26/22 09:05	
EPA 200.7	**Manganese**	1.07	mg/L	0.0080	0.0034		X221128	AS	05/26/22 09:05	
EPA 200.7	Molybdenum	< 0.0080	mg/L	0.0080	0.0034		X221128	AS	05/26/22 09:05	
EPA 200.7	**Nickel**	0.0105	mg/L	0.0100	0.0048		X221128	AS	05/26/22 09:05	
EPA 200.7	Silver	< 0.0050	mg/L	0.0050	0.0019		X221128	AS	05/26/22 09:05	
EPA 200.7	**Sodium**	25.5	mg/L	0.50	0.12		X221128	AS	05/26/22 09:05	
EPA 200.7	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X221128	AS	05/26/22 09:05	
EPA 200.7	**Zinc**	0.180	mg/L	0.0100	0.0054		X221128	AS	05/26/22 09:05	
EPA 200.8	Antimony	< 0.00300	mg/L	0.00300	0.00072		X221007	KAH	05/26/22 13:30	
EPA 200.8	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X221007	KAH	05/26/22 13:30	
EPA 200.8	Selenium	< 0.00300	mg/L	0.00300	0.00024		X221007	KAH	05/26/22 13:30	
EPA 200.8	Thallium	< 0.00100	mg/L	0.00100	0.00008		X221007	KAH	05/26/22 13:30	
EPA 200.8	**Uranium**	0.00599	mg/L	0.00100	0.000052		X221007	KAH	05/26/22 13:30	
Metals (Filtered)										
EPA 245.1	Mercury	< 0.000200	mg/L	0.000200	0.000093		X222030	MWD	05/24/22 13:05	
Classical Chemistry Parameters										
ASTM D7237	Cyanide (free) @ pH 6 @20.0°C	< 0.0050	mg/L	0.0050	0.0048		X222149	HJL	05/27/22 12:56	
EPA 335.4	Cyanide (total)	< 0.0050	mg/L	0.0050	0.0038		X222066	KJR	05/24/22 17:14	
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X222001	KJR	05/23/22 14:08	
OIA 1677	Cyanide (WAD)	< 0.0100	mg/L	0.0100	0.0010		X222151	HJL	05/27/22 09:35	
SM 2310 B	Acidity to pH 8.3	< 10.0	mg/L as CaCO3	10.0			X222189	MWD	05/27/22 18:42	
SM 2320 B	**Total Alkalinity**	49.1	mg/L as CaCO3	1.0			X221218	MWD	05/23/22 13:07	
SM 2320 B	**Bicarbonate**	49.1	mg/L as CaCO3	1.0			X221218	MWD	05/23/22 13:07	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X221218	MWD	05/23/22 13:07	
SM 2320 B	Hydroxide	< 1.0	mg/L as CaCO3	1.0			X221218	MWD	05/23/22 13:07	
SM 2540 C	**Total Diss. Solids**	1190	mg/L	10			X221226	TJL	05/20/22 15:50	
SM 2540 D	**Total Susp. Solids**	8.0	mg/L	5.0			X221227	TJL	05/20/22 15:50	
SM 4500 H B	**pH @20.3°C**	6.5	pH Units				X221218	MWD	05/23/22 13:07	H5

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Newmont - Cripple Creek & Victor
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SVL Sample ID: **X2E0277-02 (Ground Water)**

Sampled: 17-May-22 10:10
Received: 18-May-22
Sampled By: BOD

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Chloride**	13.9	mg/L	10.0	7.00	50	X221149	EBR	05/18/22 14:26	D2,M4
EPA 300.0	**Fluoride**	1.54	mg/L	0.100	0.062		X221149	EBR	05/18/22 14:08	M2
EPA 300.0	**Nitrate as N**	1.67	mg/L	0.050	0.043		X221149	EBR	05/18/22 14:08	
EPA 300.0	**Nitrate+Nitrite as N**	1.67	mg/L	0.100	0.074		X221149	EBR	05/18/22 14:08	
EPA 300.0	Nitrite as N	< 0.050	mg/L	0.050	0.031		X221149	EBR	05/18/22 14:08	
EPA 300.0	**Sulfate as SO4**	701	mg/L	15.0	9.00	50	X221149	EBR	05/18/22 14:26	D2,M4
Cation/Anion Balance and TDS Ratios										

Cation Sum: 15.0 meq/L Anion Sum: 16.2 meq/L C/A Balance: -3.60 % Calculated TDS: 1029 TDS/cTDS: 1.16

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

Herman J. Haring
Project Manager