

Chavers Mining Resource
Groundwater Quality Monitoring Results
2023 - 2024 DRMS Annual Report

Table 2

Analyte/Parameters	CAS No.	Chavers GWMP Site-Specific Groundwater Quality Standards	Sample Event:	1st Quarter GWMP Monitoring Period Sampling Event					
			Well Type:	BKG Wells (Up-gradient)			POC Wells (Down-gradient)		
			Sample ID:	MW-2	MW-2D	MW-3	MW-4	MW-5	MW-6
			Date:	3/28/2024	3/28/2024	3/28/2024	3/28/2024	3/29/2024	3/29/2024
			Type:	Grab	QA/QC	Grab	Grab	Grab	Grab
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			
Dissolved									
Aluminum	7429-90-5	5	mg/L	0.006	0.007	0.01	0.007	0.001 U	0.001 U
Antimony	7440-36-0	0.006	mg/L	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U
Arsenic	7440-38-2	0.01	mg/L	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Barium	7440-39-3	2	mg/L	0.0807	0.0823	0.0588	0.0688	0.053	0.0576
Beryllium	7440-41-7	0.004	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Boron	7440-42-8	0.75	mg/L	0.19	0.19	0.28	0.12	0.16	0.14
Cadmium	7440-43-9	0.005	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0002
Chloride	16887-00-6	250	mg/L	180	194	204	182	192	204
Chromium (Total) [Cr(III) + Cr(VI)]	7440-47-3	0.1	mg/L	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
Cobalt	7440-48-4	0.05	mg/L	0.0012	0.0011	0.0003	0.0003	0.0004	0.0003
Copper	7440-50-8	0.2	mg/L	0.0012	0.0012	0.001	0.007	0.0024	0.0065
Flouride	16984-48-8	2	mg/L	1.01	1.01	1.36	0.79	0.76	0.71
Iron	7439-89-6	0.3	mg/L	0.006	0.005 U	0.006	0.009	0.005 U	0.005 U
Lead	7439-92-1	0.05	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Lithium	7439-93-2	2.5	mg/L	0.024	0.025	0.03	0.037	0.04	0.036
Manganese	7439-96-5	0.397	mg/L	0.0011	0.0008 U	0.0008 U	0.0015	0.0008 U	0.0008 U
Molybdenum	7439-98-7	0.21	mg/L	0.0066	0.0058	0.0122	0.0048	0.0041	0.0044
Nickel	7440-02-0	0.1	mg/L	0.0025	0.0025	0.002	0.0015	0.0016	0.0015
Nitrate (NO3)	14797-55-8	10	mg/L	2.68	3.07	3.1	2.78	2.47	2.24
Nitrite (NO2)	14797-65-0	1	mg/L	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Nitrate-Nitrite, Total (NO2 +NO3)	--	10	mg/L	2.68	3.07	3.1	2.78	2.47	2.24
Selenium	7782-49-2	0.02	mg/L	0.0008 U	0.0008 U	0.0013	0.0023	0.0011	0.0016
Silver	7440-22-4	0.05	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Sulfate	14808-79-8	301.12	mg/L	165	164	235	160	164	155
Thallium	7440-28-0	0.002	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Total Dissolved Solids (TDS)	10-33-3	1267.5	mg/L	706	760	904	764	614	594
Uranium	7440-61-1	0.03	mg/L	0.0048	0.0034	0.016	0.0058	0.0098	0.0071
Vanadium	7440-62-2	0.1	mg/L	0.001 U	0.001 U	0.001 U	0.001	0.001 U	0.001
Zinc	7440-66-6	2	mg/L	0.001 U	0.001	0.001 U	0.002	0.013	0.005
Other									
pH	--	6.5 - 8.5	su	7.0	7.0	7.2	7.0	7.1	7.0

Notes:

	= Result Exceeds Chavers Site-Specific Groundwater Quality Standard Value
Bold	= Concentration detected above reporting limit
BKG	= Background
GWMP	= Groundwater Monitoring and Mitigation Plan
mg/L	= milligrams per liter
POC	= Point of Compliance
su	= standard unit
U	= Analyte not detected above reporting limit