

Chavers Mining Resource
Groundwater Quality Monitoring Results
2nd Quarter 2024 to 1st Quarter 2025

Analyte/Parameters	CAS No.	Chavers Site-Specific Groundwater Quality Standards	Sample Event:	2nd Quarter 2024					
			Well Type:	BKG Wells (Up-gradient)			POC Wells (Down-gradient)		
			Sample ID:	MW-2	MW-3	MW-3D	MW-4	MW-5	MW-6
			Date:	6/25/2024	6/25/2024	6/25/2024	6/24/2024	6/24/2024	6/24/2024
			Type:	Grab	Grab	QA/QC	Grab	Grab	Grab
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			
Dissolved									
Aluminum	7429-90-5	5	mg/L	0.011	0.016	0.012	0.012	0.005	0.012
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	0.0008	0.0006 U	0.001
Barium	7440-39-3	2	mg/L	0.0758	0.0573	0.0576	0.059	0.0289	0.0512
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	0.2	0.37	0.37	0.05 U	0.05 U	0.05
Cadmium	7440-43-9	0.005	mg/L	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001
Chloride	16887-00-6	250	mg/L	167	215	216	71.1	64	73.8
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	0.0019	0.0004	0.0004	0.0002 U	0.0002 U	0.0002 U
Copper	7440-50-8	0.2	mg/L	0.0015	0.0016	0.0013	0.0036	0.0016	0.0055
Flouride	16984-48-8	2	mg/L	1.15	1.38	1.4	0.58	0.58	0.54
Iron	7439-89-6	0.3	mg/L	0.007	0.005 U	0.103	0.005 U	0.005 U	0.009
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	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Manganese	7439-96-5	0.397	mg/L	0.0078	0.0008 U	0.0008 U	0.001	0.0008 U	0.0029
Molybdenum	7439-98-7	0.21	mg/L	0.0074	0.0126	0.0125	0.0026	0.0032	0.0027
Nickel	7440-02-0	0.1	mg/L	0.003	0.0023	0.0023	0.0012	0.001	0.0012
Nitrate (NO3)	14797-55-8	10	mg/L	2.52	1.21	1.24	1.2	0.98	0.74
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	2.52	1.21	1.24	1.2	0.98	0.74
Selenium	7782-49-2	0.02	mg/L	0.0012	0.0017	0.0019	0.0012	0.001	0.0012
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	172	234	234	78.2	70.1	80.1
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	787	1000	1020	349	309	349
Uranium	7440-61-1	0.03	mg/L	0.0052	0.0231	0.0194	0.0011	0.0014	0.001
Vanadium	7440-62-2	0.1	mg/L	0.001 U	0.001 U	0.001 U	0.002	0.001	0.001
Zinc	7440-66-6	2	mg/L	0.001 U	0.001 U	0.001 U	0.001	0.005	0.006
Other									
pH	--	6.5 - 8.5	su	7.2	7.4	7.5	6.7	6.9	6.8

Notes:

	= Result Exceeds Groundwater Quality Standard
Bold	= Concentration detected above reporting limit
BKG	= Background
mg/L	= milligrams per liter
POC	= Point of Compliance
su	= standard unit
U	= Analyte not detected above reporting limit

Chavers Mining Resource
Groundwater Quality Monitoring Results
2nd Quarter 2024 to 1st Quarter 2025

Analyte/Parameters	CAS No.	Chavers Site-Specific Groundwater Quality Standards	Sample Event:	3rd Quarter 2024					
			Well Type:	BKG Wells (Up-gradient)		POC Wells (Down-gradient)			
			Sample ID:	MW-2	MW-3	MW-4	MW-4D	MW-5	MW-6
			Date:	9/19/2024	9/19/2024	9/19/2024	9/19/2024	9/19/2024	9/19/2024
			Type:	Grab	Grab	Grab	QA/QC	Grab	Grab
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			
Dissolved									
Aluminum	7429-90-5	5	mg/L	0.012	0.007	0.006	0.007	0.004	0.003
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	0.0008	0.0009	0.0011	0.001
Barium	7440-39-3	2	mg/L	0.096	0.0744	0.0891	0.0918	0.073	0.0842
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	0.3	0.54	0.16	0.15	0.18	0.16
Cadmium	7440-43-9	0.005	mg/L	0.0001 U	0.0001 U	0.0001	0.0001	0.0001 U	0.0005
Chloride	16887-00-6	250	mg/L	168	218	150	149	159	151
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	0.0014	0.0004	0.0002	0.0003	0.0004	0.0003
Copper	7440-50-8	0.2	mg/L	0.0011	0.0013	0.005	0.0051	0.0023	0.0106
Flouride	16984-48-8	2	mg/L	1.06	1.26	0.81	0.82	0.88	0.76
Iron	7439-89-6	0.3	mg/L	0.006	0.005 U	0.005 U	0.005 U	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	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Manganese	7439-96-5	0.397	mg/L	0.0012	0.0008 U	0.0058	0.0253	0.0008 U	0.0024
Molybdenum	7439-98-7	0.21	mg/L	0.005	0.0115	0.0062	0.0063	0.0076	0.0065
Nickel	7440-02-0	0.1	mg/L	0.0027	0.0023	0.0018	0.0017	0.0021	0.0022
Nitrate (NO3)	14797-55-8	10	mg/L	4.55	1.38	2.38	2.4	2.41	2.29
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	4.55	1.38	2.38	2.4	2.41	2.29
Selenium	7782-49-2	0.02	mg/L	0.002	0.0018	0.0024	0.0026	0.0017	0.0022
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	243	161	161	172	164
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	874	668	654	679	680
Uranium	7440-61-1	0.03	mg/L	0.0046	0.0173	0.0104	0.0103	0.0059	0.0066
Vanadium	7440-62-2	0.1	mg/L	0.001 U	0.001 U	0.002	0.002	0.001	0.002
Zinc	7440-66-6	2	mg/L	0.001	0.001 U	0.001	0.001	0.007	0.005
Other									
pH	--	6.5 - 8.5	su	6.9	7.2	7.1	7.2	7.3	7.2

Notes:

	= Result Exceeds Groundwater Quality Standard
Bold	= Concentration detected above reporting limit
BKG	= Background
mg/L	= milligrams per liter
POC	= Point of Compliance
su	= standard unit
U	= Analyte not detected above reporting limit

Chavers Mining Resource
Groundwater Quality Monitoring Results
2nd Quarter 2024 to 1st Quarter 2025

Analyte/Parameters	CAS No.	Chavers Site-Specific Groundwater Quality Standards	Sample Event:	4th Quarter 2024							
			Well Type:	BKG Wells (Up-gradient)			POC Wells (Down-gradient)				
			Sample ID:	MW-2	MW-3	MW-3	MW-4	MW-5	MW-5D	MW-6	MW-6
			Date:	12/11/2024	12/11/2024	1/14/2025	12/11/2024	12/11/2024	12/11/2024	12/11/2024	1/14/2025
			Type:	Grab	Grab	Re-sample	Grab	Grab	QA/QC	Grab	Re-sample
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
Dissolved											
Aluminum	7429-90-5	5	mg/L	0.012	3.4	--	0.018	0.002	0.002	2.87	--
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	0.0015	--	0.0008	0.0007	0.0007	0.002	--
Barium	7440-39-3		mg/L	0.0777	0.1418	--	0.1018	0.0522	0.0514	0.1451	--
Beryllium	7440-41-7	0.004	mg/L	0.0001 U	0.0003	--	0.0001 U	0.0001 U	0.0001 U	0.0003	--
Boron	7440-42-8	0.75	mg/L	0.2	0.46	--	0.15	0.15	0.15	0.14	--
Cadmium	7440-43-9	0.005	mg/L	0.0001 U	0.0001 U	--	0.0004	0.0003	0.0003	0.0015	--
Chloride	16887-00-6	250	mg/L	173	212	--	158	156	160	159	--
Chromium (Total) [Cr(III) + Cr(VI)]	7440-47-3	0.1	mg/L	0.0015 U	0.0031	--	0.0015 U	0.0015 U	0.0015 U	0.0035	--
Cobalt	7440-48-4	0.05	mg/L	0.002	0.0028	--	0.001	0.0007	0.0007	0.0018	--
Copper	7440-50-8	0.2	mg/L	0.0014	0.0061	--	0.0052	0.0026	0.0027	0.0152	--
Flouride	16984-48-8	2	mg/L	1.1	1.28	--	0.57	0.7	0.71	0.68	--
Iron	7439-89-6	0.3	mg/L	0.006	1.05	0.092	0.011	0.007	0.008	2	0.009
Lead	7439-92-1	0.05	mg/L	0.0001 U	0.0066	--	0.0002	0.0002	0.0002	0.0097	--
Lithium	7439-93-2	2.5	mg/L	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	0.1 U	--
Manganese	7439-96-5	0.397	mg/L	0.0036	0.3679	--	0.3614	0.0199	0.0206	0.0613	--
Molybdenum	7439-98-7	0.21	mg/L	0.0052	0.0102	--	0.0055	0.0058	0.0059	0.0047	--
Nickel	7440-02-0	0.1	mg/L	0.0029	0.0053	--	0.003	0.0024	0.0025	0.005	--
Nitrate (NO3)	14797-55-8	10	mg/L	5.04	1.53	--	3.93	4.96	5.07	4.21	--
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	5.04	1.53	--	3.93	4.96	5.07	4.21	--
Selenium	7782-49-2	0.02	mg/L	0.0015	0.0022	--	0.0012	0.0013	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	170	225	--	162	160	163	160	--
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	875	1000	--	737	707	705	723	--
Uranium	7440-61-1	0.03	mg/L	0.0065	0.0166	--	0.0069	0.0054	0.0053	0.0072	--
Vanadium	7440-62-2	0.1	mg/L	0.001 U	0.005	--	0.001	0.001	0.001	0.007	--
Zinc	7440-66-6	2	mg/L	0.001 U	0.016	--	0.004	0.025	0.026	0.039	--
Other											
pH	--	6.5 - 8.5	su	7.0	7.2	--	7.2	7.2	7.2	7.2	--

Notes:

= Result Exceeds Groundwater Quality Standard

Bold = Concentration detected above reporting limit

BKG = Background

mg/L = milligrams per liter

POC = Point of Compliance

su = standard unit

U = Analyte not detected above reporting limit

Chavers Mining Resource
Groundwater Quality Monitoring Results
2nd Quarter 2024 to 1st Quarter 2025

Analyte/Parameters	CAS No.	Chavers Site-Specific Groundwater Quality Standards	Sample Event:	1st Quarter 2025							
			Well Type:	BKG Wells (Up-gradient)			POC Wells (Down-gradient)				
			Sample ID:	MW-2	MW-3	MW-4	MW-4	MW-5	MW-6	MW-6D	
			Date:	3/24/2025	3/24/2025	3/24/2025	4/16/2025	3/24/2025	3/24/2025	3/24/2025	
			Type:	Grab	Grab	Grab	Re-sample	Grab	Grab	QA/QC	
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L			
Dissolved											
Aluminum	7429-90-5	5	mg/L	0.023	0.025	0.038	--	0.003	0.03	0.025	
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	0.001	--	0.0009	0.0009	0.0008	
Barium	7440-39-3	2	mg/L	0.0941	0.0643	0.1204	--	0.07	0.0789	0.0796	
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	0.69	0.47	0.16	--	0.15	0.16	0.17	
Cadmium	7440-43-9	0.005	mg/L	0.0001 U	0.0001 U	0.0006	--	0.0001 U	0.0004	0.0005	
Chloride	16887-00-6	250	mg/L	193	213	162	--	163	165	165	
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	0.001	0.0004	0.0016	--	0.0005	0.0005	0.0005	
Copper	7440-50-8	0.2	mg/L	0.001	0.0011	0.0058	--	0.0031	0.0087	0.0082	
Flouride	16984-48-8	2	mg/L	1.05	1.21	0.76	--	0.67	0.75	0.74	
Iron	7439-89-6	0.3	mg/L	0.011	0.012	0.022	--	0.005 U	0.019	0.02	
Lead	7439-92-1	0.05	mg/L	0.0001 U	0.0001 U	0.0003	--	0.0001	0.0003	0.0004	
Lithium	7439-93-2	2.5	mg/L	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U	0.1 U	
Manganese	7439-96-5	0.397	mg/L	0.0011	0.0008 U	0.4032	0.0576	0.0021	0.0008 U	0.0013	
Molybdenum	7439-98-7	0.21	mg/L	0.004	0.0106	0.0078	--	0.0057	0.0065	0.0065	
Nickel	7440-02-0	0.1	mg/L	0.0021	0.002	0.0035	--	0.0021	0.0025	0.0025	
Nitrate (NO3)	14797-55-8	10	mg/L	6.21	1.39	1.98	--	2.38	2.72	2.56	
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	6.21	1.39	1.98	--	2.38	2.72	2.56	
Selenium	7782-49-2	0.02	mg/L	0.0025	0.0014	0.0013	--	0.0008 U	0.0021	0.0008 U	
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	176	236	162	--	160	163	166	
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	920	962	710	--	696	725	714	
Uranium	7440-61-1	0.03	mg/L	0.0085	0.0177	0.0059	--	0.0045	0.0052	0.0049	
Vanadium	7440-62-2	0.1	mg/L	0.001 U	0.001 U	0.001 U	--	0.001 U	0.001 U	0.001 U	
Zinc	7440-66-6	2	mg/L	0.001 U	0.001 U	0.007	--	0.012	0.007	0.007	
Other											
pH	--	6.5 - 8.5	su	7.0	7.3	7.3	--	7.1	7.2	7.3	

Notes:

	= Result Exceeds Groundwater Quality Standard
Bold	= Concentration detected above reporting limit
BKG	= Background
mg/L	= milligrams per liter
POC	= Point of Compliance
su	= standard unit
U	= Analyte not detected above reporting limit