

McElwain 32-17 - Table 2 - Soil Analytical Summary Table - Inorganics

Metals in Soil					Arsenic	Barium	Cadmium	Chromium, Hexavalent	Copper	Lead	Nickel	Selenium	Silver	Zinc	Boron	SAR	Specific Conductance (EC)	pH
Residential Soil Screening Concentrations					0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000	2	6	4	6-8.3
Background Concentrations					5.1	191	0.249	<0.5	13.8	10.3	17.4	0.182	<0.0972	<97.2	1.25	8.85	5.01	8.41
Proposed Site-Specific Soil Cleanup Concentrations (1.25x)					6.375	15,000	71	0.5	3,100	400	1,500	390	390	23,000	2	11.06	6.26	10.51
Project	Sample ID	Sample Date	Latitude	Longitude	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	units	mmhos/cm	pH units	
McElwain 32-17	SS-1@5'	1/26/2023	39.96543	-104.91251	3.33	55.4	0.147	<0.515	9.36	<9.13	9.9	0.146	<0.0913	<91.3	1.42	8.97	0.887	8.51
McElwain 32-17	SS-2@5'	1/26/2023	39.96566	-104.91252	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.05	18.2	3.78	8.14	
McElwain 32-17	SS-5@3'	1/26/2023	39.96576	-104.91246	17.3	94.6	<0.0917	<0.5	<9.17	<9.17	<9.17	0.164	<0.0917	<91.7	0.568	7.3	3.7	8.12
McElwain 32-17	SS-8@3'	1/26/2023	39.96580	-104.91247	3.67	84.1	0.221	<0.516	12.6	12.6	12.2	0.354	<0.087	<87	0.763	6.91	5.73	7.98
McElwain 32-17	SS-12@3'	1/26/2023	39.96582	-104.91249	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.705	3.99	5.58	8.06	
McElwain 32-17	SS-13@3'	1/26/2023	39.96589	-104.91254	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.93	6.6	1.83	8.32	
McElwain 32-17	SS-15@3'	1/26/2023	39.96600	-104.91245	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.512	4.71	2.72	8.1	
McElwain 32-17	BG#1@4'	10/5/2023	39.96617	-104.91247	2.87	78.2	0.0847	<0.5	<8.47	<8.47	<8.47	0.102	<0.0847	<84.7	1	6.42	4.33	8.01
McElwain 32-17	BG#1@8'	10/5/2023	39.96617	-104.91247	3.34	123	0.119	<0.5	<9.58	<9.58	<9.58	<0.0958	<0.0958	<95.8	0.903	6.89	2.65	8.18
McElwain 32-17	BG#2@4'	10/5/2023	39.965797	-104.91236	5.1	191	0.249	<0.5	13.8	12.1	17.4	0.182	<0.0863	<86.3	1.21	4.83	3.18	7.99
McElwain 32-17	BG#2@8'	10/5/2023	39.965797	-104.91236	3.51	141	0.173	<0.5	9.92	9.78	9.69	0.112	<0.0948	<94.8	0.905	2.94	3.51	7.96
McElwain 32-17	BG#3@4'	10/5/2023	39.96554	-104.91238	4.99	176	0.155	<0.5	11.5	10.3	11.6	0.174	<0.09	<90	1.17	6.12	5.01	7.85
McElwain 32-17	BG#3@8'	10/5/2023	39.965537	-104.91238	4.61	167	0.159	<0.5	10.8	<9.72	11.5	0.118	<0.0972	<97.2	1.25	4.83	2.13	8.04
McElwain 32-17	BG#4@4'	10/5/2023	39.965172	-104.91247	4.54	140	0.208	<0.5	11.5	9.17	11.1	0.149	<0.0854	<85.4	0.668	0.975	0.425	8.24
McElwain 32-17	BG#4@8'	10/5/2023	39.965172	-104.91247	4.61	85.5	0.156	<0.5	10.9	10.7	11	0.118	<0.0854	<85.4	1.05	8.85	1.02	8.41

****Note**

- mg/Kg = milligrams per kilogram
- mg/L = milligrams per Liter
- < = less than the stated laboratory method detection limit
- SAR = Sodium Absorption Ratio
- Screening levels derived from Energy and Carbon Management Commission
- NA - Not Analyzed
- **Red Text: exceeds proposed site-specific soil cleanup concentrations**

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