

**Table 2**  
**Background Soil Sampling Results**  
**DIA Well Plugging Project**  
**City & County of Denver**

Parameter	Background 1 11/14/2022	Background 2 11/15/2022	BG -3 2/21/2023	COGCC Table 915-1 Standard	Units
Sample Location	Background 1	Background 2	Background 3	NA	NA
Latitude/Longitude	39.914356/-104.683935	39.903994/-104.709448	39.888056/-104.636790	NA	NA
Laboratory ID	2211210-01	2211210-02	2302195-02	NA	NA
Depth	0-0.67	0-0.17	0-0.5	NA	feet bgs
PID	-	-	0.0	NA	ppm
Conductivity	0.330	0.700	0.191	<4	mmhos/cm
pH	<b>5.86</b>	6.78	6.33	6-8.3	pH units
SAR	0.17	0.19	0.15	<6	no units
Calcium	23.4	74.7	22.6	NA	mg/L
Magnesium	6.45	22.2	5.11	NA	mg/L
Sodium	3.69	7.26	3.01	NA	mg/L
Arsenic	<b>1.25</b>	<b>2.78</b>	<b>3.70</b>	0.68	mg/kg
Barium	38.2	88.7	82.9	15000	mg/kg
Cadmium	<5.00	<5.00	<5.00	71	mg/kg
Chromium (VI)	<0.250	<0.250	<0.250	0.3	mg/kg
Total Chromium	<5.00	12.5	10.5	NA	mg/kg
Copper	<5.00	7.50	10.0	3100	mg/kg
Lead	<10.0	<10.0	<10.0	400	mg/kg
Nickel	<5.00	6.58	<5.00	1500	mg/kg
Selenium	<20.0	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	<1.00	390	mg/kg
Zinc	17.5	35.6	30.3	23000	mg/kg
Boron	<1.20	<1.20	<1.20	2	mg/L

**Notes:**

PID - Photoionization Detector

SAR - Sodium Adsorption Ratio

NA - Not Applicable

bgs - below ground surface

mmhos/cm - millihos per centimeter

mg/L - milligrams per liter

mg/kg - milligrams per kilogram

COGCC - Colorado Oil & Gas Conservation Commission

ppm - parts per million

**Bold** values exceed COGCC Standard

**Table 2**  
**Background Soil Sampling Results (continued)**  
**DIA Well Plugging Project**  
**City & County of Denver**

Parameter	BG -4 2/21/2023	BG-5 3/21/2023	BG-6 3/21/2023	COGCC Table 915-1 Standard	Units
Sample Location	Background 4	Background 5	Background 6	NA	NA
Latitude/Longitude	39.864922/-104.620937	39.890570/-104.602344	39.882480/-104.663308	NA	NA
Laboratory ID	2302195-01	2303222-01	2303222-02	NA	NA
Depth	0-1	0-0.83	0-1	NA	feet bgs
PID	0.0	0.0	0.0	NA	ppm
Conductivity	1.650	0.176	0.682	<4	mmhos/cm
pH	<b>5.25</b>	6.47	<b>5.56</b>	6-8.3	pH units
SAR	0.09	0.18	0.17	<6	no units
Calcium	145	22.5	57.2	NA	mg/L
Magnesium	32.2	5.93	25.1	NA	mg/L
Sodium	4.74	3.69	6.11	NA	mg/L
Arsenic	<b>1.89</b>	<b>4.21</b>	<b>4.93</b>	0.68	mg/kg
Barium	72.7	92.8	144	15000	mg/kg
Cadmium	<5.00	<5.00	<5.00	71	mg/kg
Chromium (VI)	<0.250	<0.250	<0.250	0.3	mg/kg
Total Chromium	10.7	12.7	20.2	NA	mg/kg
Copper	11.3	11.7	24.7	3100	mg/kg
Lead	<10.0	<10.0	11.0	400	mg/kg
Nickel	<5.00	8.02	12.9	1500	mg/kg
Selenium	<20.0	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	<1.00	390	mg/kg
Zinc	35.6	35.7	56.6	23000	mg/kg
Boron	<1.20	<1.20	<1.20	2	mg/L

**Notes:**

PID - Photoionization Detector

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