

# Soil Sampling Results

Seibel A 2

Parameter	SS01 Release Point 9/7/2022	SS02 Background 9/7/2022	COGCC Table 915 Standard	Units
Depth	0-4 inch	0-4 inch	NA	inches bgs
Conductivity	0.335	0.507	<4 or 2x BG	mmhos/cm
pH	6.92	6.40	6-8.3	pH units
SAR	0.340	0.280	<6	no units
Calcium	47.90	70.60	NA	mg/L
Magnesium	9.80	13.7	NA	mg/L
Sodium	10.0	9.82	NA	mg/L
Arsenic	<b>3.420</b>	<b>2.01</b>	0.68	mg/kg
Barium	316	232.0	15,000	mg/kg
Cadmium	<5.00	<5.00	71	mg/kg
Chromium (VI)	<0.250	<0.250	0.3	mg/kg
Copper	13.4	14.60	3,100	mg/kg
Lead	12.70	10.60	400	mg/kg
Selenium	<20.0	<20.00	390	mg/kg
Silver	<1.00	<1.000	390	mg/kg
Zinc	53.1	50.5	23000	mg/kg
Mercury			N/A	mg/kg
Boron	<1.20	<1.20	2.0	mg/L
Benzene	<0.0250	<0.0250	1.20	mg/kg
Toluene	0.0319	<0.0250	490	mg/kg
Ethylbenzene	<0.0250	<0.0250	6	mg/kg
Total Xylenes	<0.0750	<0.0750	58	mg/kg
TPH (GRO)	<10.00	<10.00	NA	mg/kg
TPH (DRO)	<10.0	<10.00	NA	mg/kg
TPH (EXT DRO)	<10.0	<10.00	NA	mg/kg
Total TPH	<30.0	<30.00	500	mg/kg
Naphthalene	<0.0250	<0.0250	2	mg/kg
Acenaphthene	<0.024	<0.024	360	mg/kg
Fluorene	<0.014	<0.014	240	mg/kg
Anthracene	<0.017	<0.017	1,800	mg/kg
Fluoranthene	<0.019	<0.019	240	mg/kg
Pyrene	<0.013	<0.013	180	mg/kg
Benzo(a)anthracene	<0.023	<0.023	1.10	mg/kg
Chrysene	<0.017	<0.017	110	mg/kg
Benzo(b)fluoranthene	<0.019	<0.019	1.10	mg/kg
Benzo(k)fluoranthene	<0.016	<0.016	11.0	mg/kg
Benzo(a)pyrene	<0.018	<0.018	0.110	mg/kg
Indeno(1,2,3-cd)pyrene	<0.017	<0.017	1.10	mg/kg
Dibenzo(a,h)anthracene	<0.019	<0.019	0.110	mg/kg

## Notes:

PID - Photoionization Detector  
 SAR - Sodium Adsorption Ratio  
 BTEX - Benzene, Toluene,  
 Ethylbenzene, & Total Xylenes  
 GRO - Gasoline Range Organics  
 DRO - Diesel Range Organics  
 EXT - Extended  
 BG - Background  
 ND - Non-detect  
**Bold** values exceed COGCC Table  
 915 Standard

ppm - parts per million  
 bgs - below ground surface  
 mmhos/cm - millihos per centimeter  
 TPH - Total Petroleum Hydrocarbons  
 mg/L - milligrams per liter  
 mg/kg - milligrams per kilogram  
 "-" - Indicates no data  
 NA - Not Applicable  
 COGCC -  
 Colorado Oil