

**Table 1**  
**Soil Sampling Results**  
**Frank Davis A #1**  
**Simcoe LLC**

Parameter	SS01 8/5/2023 Wet area	BG01 8/5/2023 Background	BG02 8/5/2023 Background	COGCC Table 915-1 Standard	Units
Depth	72-84	0-8	0-8	NA	inches bgs
PID	2.4	0.1	0.1	NA	ppm
Conductivity	0.610	0.106	0.159	<4	mmhos/cm
pH	8.78*	8.27	6.15	6-8.3	pH units
SAR	3.31	0.456	0.00	<6	no units
Calcium	104	46.1	93.8	NA	mg/L
Magnesium	36.4	6.04	22.3	NA	mg/L
Sodium	146	12.4	<2.00	NA	mg/L
Arsenic	1.66	0.775	1.65	0.68 or 1.25x BG	mg/kg
Barium	381	334	440	15,000 or 1.25x BG	mg/kg
Cadmium	<0.250	<0.250	<0.250	71 or 1.25 BG	mg/kg
Chromium (VI)	<0.255	1.72	3.16	0.3 or 1.25x BG	mg/kg
Copper	15.8	19.4	13.8	3,100 or 1.25x BG	mg/kg
Lead	9.83	10.2	10.5	400 or 1.25x BG	mg/kg
Nickel	5.00	5.43	6.41	1,500 or 1.25x BG	mg/kg
Selenium	<1.25	<1.25	<1.25	390 or 1.25x BG	mg/kg
Silver	<0.250	<0.250	<0.250	390 or 1.25x BG	mg/kg
Zinc	43.0	45.0	40.4	23,000 or 1.25x BG	mg/kg
Boron	<2.00	<2.00	<2.00	2	mg/L
TPH (GRO)	<20.0	-	-	NA	mg/kg
TPH (DRO)	<25.0	-	-	NA	mg/kg
TPH (EXT DRO)	<50.0	-	-	NA	mg/kg
Total TPH	<95.0	-	-	500	mg/kg
Benzene	<0.0250	-	-	1.2	mg/kg
Toluene	<0.0250	-	-	490	mg/kg
Ethylbenzene	<0.0250	-	-	5.8	mg/kg
Total Xylenes	<0.0250	-	-	58	mg/kg
1,3,5-trimethylbenzene	<0.0250	-	-	27	mg/kg
1,2,4-trimethylbenzene	<0.100	-	-	30	mg/kg
Naphthalene	<0.100	-	-	2	mg/kg
2-methylnaphthalene	<0.200	-	-	24	mg/kg
1-methylnaphthalene	<0.200	-	-	18	mg/kg
Acenaphthene	<0.00600	-	-	360	mg/kg
Fluorene	<0.00600	-	-	240	mg/kg
Anthracene	<0.00600	-	-	1,800	mg/kg
Fluoranthene	<0.00600	-	-	240	mg/kg
Pyrene	<0.00600	-	-	180	mg/kg
Benzo(a)anthracene	<0.00600	-	-	1.1	mg/kg
Chrysene	<0.00600	-	-	110	mg/kg
Benzo(b)fluoranthene	<0.00600	-	-	1.1	mg/kg
Benzo(k)fluoranthene	<0.00600	-	-	11	mg/kg
Benzo(a)pyrene	<0.00600	-	-	0.11	mg/kg
Indeno(1,2,3-cd)pyrene	<0.00600	-	-	1.1	mg/kg
Dibenz(a,h)anthracene	<0.00600	-	-	0.11	mg/kg

**Notes:**

PID - Photoionization Detector  
SAR - Sodium Adsorption Ratio  
TPH - Total Petroleum Hydrocarbons  
GRO - Gasoline Range Organics  
DRO - Diesel Range Organics  
EXT - Extended  
NA - Not Applicable  
BG - Background

ppm - parts per million  
bgs - below ground surface  
mmhos/cm - millihos per centimeter  
mg/L - milligrams per liter  
mg/kg - milligrams per kilogram  
"- " - Indicates no data  
COGCC - Colorado Oil & Gas Conservation Commission  
**Bold** values exceed COGCC Table 915 Standards  
\* - Consideration of background samples indicates the presence of alkaline soils in the project area