

**Soil Sampling Results**  
**Simms E #1 & #3**  
**Simcoe LLC**

Parameter	SS01 11/6/2020 Point of release	SS02 11/6/2020 Wet area	SS03 11/6/2020 Wet area	SS04 11/6/2020 Background	SS05 11/23/2020 Wet area	SS06 11/23/2020 Wet area	COGCC Table 910 Standard	Units
Depth	0-6	0-6	0-6	0-6	24-28	24-28	NA	inches bgs
Field, PID	3.9	10.6	24.4	18.8	0.1	0.0	NA	ppm
Conductivity	2.120	3.650	3.780	0.311	0.995	0.550	<4 or 2x BG	mmhos/cm
pH	7.86	7.81	8.04	6.52	7.28	7.55	6-9	pH units
SAR	<b>12.0</b>	6.52	<b>16.5</b>	0.43	1.30	2.18	<12	no units
Calcium	41.1	230	72.3	43.8	95.3	42.7	NA	mg/L
Magnesium	10.6	45.2	12.9	8.46	20.0	9.01	NA	mg/L
Sodium	333	413	580	12.0	53.6	60.1	NA	mg/L
Arsenic	<b>2.03</b>	<b>2.59</b>	<b>2.51</b>	<b>1.64</b>	<b>2.17</b>	<b>1.64</b>	0.39	mg/kg
Barium	405	588	525	388	394	381	15,000	mg/kg
Cadmium	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	70	mg/kg
Total Chromium	9.03	9.07	8.35	10.3	17.6	13.7	23 or 120,000*	mg/kg
Copper	15.5	14.1	14.2	11.4	14.4	11.0	3,100	mg/kg
Lead	<10.0	<10.0	<10.0	14.1	<10.0	10.3	400	mg/kg
Nickel	9.89	8.02	8.47	11.2	14.7	12.2	1,600	mg/kg
Selenium	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	390	mg/kg
Zinc	42.6	33.5	41.1	51.3	47.8	47.2	23,000	mg/kg
Mercury	<0.0460	<0.0440	<0.0549	<0.0431	<0.0509	<0.0475	23	mg/kg
Boron	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	2	mg/L
Benzene	<0.050	<0.050	<0.050	-	<0.050	<0.050	0.17	mg/kg
Toluene	<0.050	<0.050	<0.050	-	<0.050	<0.050	85	mg/kg
Ethylbenzene	<0.050	<0.050	<0.050	-	<0.050	<0.050	100	mg/kg
Total Xylenes	<0.150	<0.150	<0.150	-	<0.150	<0.150	175	mg/kg
Total BTEX	<0.300	<0.300	<0.300	-	<0.300	<0.300	NA	mg/kg
TPH (GRO)	<10.0	<10.0	<10.0	-	<10.0	<10.0	NA	mg/kg
TPH (DRO)	<10.0	<10.0	<10.0	-	<10.0	<10.0	NA	mg/kg
TPH (EXT DRO)	<10.0	<10.0	<10.0	-	<10.0	<10.0	NA	mg/kg
Total TPH	<30.0	<30.0	<30.0	-	<30.0	<30.0	500	mg/kg
Naphthalene	<0.004	<0.004	<0.004	-	<0.004	<0.004	23	mg/kg
Acenaphthene	<0.003	<0.003	<0.003	-	<0.003	<0.003	1,000	mg/kg
Fluorene	<0.003	<0.003	<0.003	-	<0.003	<0.003	1,000	mg/kg
Anthracene	<0.004	<0.004	<0.004	-	<0.004	<0.004	1,000	mg/kg
Fluoranthene	<0.002	<0.002	<0.002	-	<0.002	<0.002	1,000	mg/kg
Pyrene	<0.003	<0.003	<0.003	-	<0.003	<0.003	1,000	mg/kg
Benzo(a)anthracene	<0.002	0.007**	<0.002	-	<0.002	<0.002	0.22	mg/kg
Chrysene	<0.0008	<0.0008	<0.0008	-	<0.0008	<0.0008	22	mg/kg
Benzo(b)fluoranthene	<0.002	<0.002	<0.002	-	<0.002	<0.002	0.22	mg/kg
Benzo(k)fluoranthene	<0.002	<0.002	<0.002	-	<0.002	<0.002	2.2	mg/kg
Benzo(a)pyrene	<0.004	<0.004	<0.004	-	<0.004	<0.004	0.022	mg/kg
Indeno(1,2,3-cd)pyrene	<0.003	<0.003	<0.003	-	<0.003	<0.003	0.22	mg/kg
Dibenzo(a,h)anthracene	<0.004	<0.004	<0.004	-	<0.004	<0.004	0.022	mg/kg

**Notes:**

PID - Photoionization Detector  
SAR - Sodium Adsorption Ratio  
BTEX - Benzene, Toluene,  
Ethylbenzene, & Total Xylenes  
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  
\* - Chromium (VI) standard is 23 mg/kg and chromium (III) standard is 120,000 mg/kg.  
COGCC - Colorado Oil & Gas Conservation Commission  
**Bold** values exceed COGCC Table 910 Standard  
\*\* - Analyte detected below the reporting limit; result is an estimated concentration.