

Soil Sampling Results

Secord 7U 34-6-1

Parameter	SS01 - Background 11/6/2020	SS02 - Point of Release 11/6/2020	COGCC Table 910 Standard	Units
Depth	0-6	0-6	NA	inches bgs
Conductivity	0.100	3.720	<4 or 2x BG	mmhos/cm
pH	8.85	8.15	6-9	pH units
SAR	0.00	7.290	<12	no units
Calcium	2.52	8.13	NA	mg/L
Magnesium	<1.00	7.73	NA	mg/L
Sodium	<2.00	121.00	NA	mg/L
Arsenic	2.500	1.57	0	mg/kg
Barium	208	253.0	15,000	mg/kg
Cadmium	1.24	0.81	70	mg/kg
Total Chromium	13.1	8.68	23 or 120,000*	mg/kg
Lead	10.90	7.05	400	mg/kg
Selenium	<1.25	<1.25	390	mg/kg
Silver	<0.250	<0.250	390	mg/kg
Mercury	<0.250	<2.50	23	mg/kg
Benzene	<0.0250	<0.050	0.17	mg/kg
Toluene	<0.0250	<0.050	85	mg/kg
Ethylbenzene	<0.0250	<0.050	100	mg/kg
Total Xylenes	<0.0250	<0.150	175	mg/kg
TPH (GRO)	<20.0	<10.0	NA	mg/kg
TPH (DRO)	<25.0	<10.0	NA	mg/kg
TPH (EXT DRO)	<50.0	<10.0	NA	mg/kg
Total TPH	<50.0	<10.0	500	mg/kg
Naphthalene	<0.0200	<0.0200	23	mg/kg
Acenaphthene	<0.00600	<0.00600	1,000	mg/kg
Fluorene	<0.00600	<0.00600	1,000	mg/kg
Anthracene	<0.00600	<0.00600	1,000	mg/kg
Fluoranthene	<0.00600	<0.00600	1,000	mg/kg
Pyrene	<0.00600	<0.00600	1,000	mg/kg
Benzo(a)anthracene	<0.00600	<0.00600	0.22	mg/kg
Chrysene	<0.00600	<0.00600	22	mg/kg
Benzo(b)fluoranthene	<0.00600	<0.00600	0.22	mg/kg
Benzo(k)fluoranthene	<0.00600	<0.00600	2.2	mg/kg
Benzo(a)pyrene	<0.00600	<0.00600	0.022	mg/kg
Indeno(1,2,3-cd)pyrene	<0.00600	<0.00600	0.22	mg/kg
Dibenzo(a,h)anthracene	<0.00600	<0.00600	0.022	mg/kg

Notes: SS01 collected as background sample. SS02 collected in the wet area of the release point.

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

Values reported below lab detection limit considered

zero for Total TPH calculations

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