

Soil Sampling Results  
Raymond Koon A1

Parameter	SS01 Release Point 7/26/22	Point of Release 9/1/22	North Wall 9/1/2022	South Wall 9/1/2022	East Wall 9/1/2022	West Wall 9/1/2022
Depth	0-6 inches	24-28 inches	24-28 inches	24-28 inches	24-28 inches	24-28 inches
Conductivity	4.380	1.100	1.000	0.436	1.250	0.302
pH	8.37	8.26	7.82	7.48	7.52	7.48
SAR	<b>33.900</b>	5.230	2.13	0.45	1.01	1.40
Calcium	33.40	9.61	27.10	50.30	132.00	34.70
Magnesium	7.70	2.63	5.02	9.35	22.50	7.53
Sodium	835.0	70.90	46.1	13.1	47.9	34.8
Arsenic	<b>2.770</b>					
Barium	281					
Cadmium	<5.00					
Chromium (VI)	<0.250					
Copper	12.5					
Lead	<10.0					
Selenium	<20.0					
Silver	<1.0					
Zinc	36.3					
Mercury	NA					
Boron	1.36					
Benzene	<0.0250					
Toluene	<0.0250					
Ethylbenzene	<0.0250					
Total Xylenes	<0.0750					
TPH (GRO)	<10.0					
TPH (DRO)	<10.0					
TPH (EXT DRO)	<10.0					
Total TPH	<30.0					
Naphthalene	<0.0250					
Acenaphthene	<0.024					
Fluorene	<0.014					
Anthracene	<0.017					
Fluoranthene	<0.019					
Pyrene	<0.013					
Benzo(a)anthracene	<0.023					
Chrysene	<0.017					
Benzo(b)fluoranthene	<0.019					
Benzo(k)fluoranthene	<0.016					
Benzo(a)pyrene	<0.018					
Indeno(1,2,3-cd)pyrene	<0.017					
Dibenzo(a,h)anthracene	<0.019					

Notes:

PID - Photoionization Detector	ppm - parts per million
SAR - Sodium Adsorption Ratio	bgs - below ground surface
BTEX - Benzene, Toluene, Ethylbenzene, & Total Xylenes	mmhos/cm - millihos per centi
GRO - Gasoline Range Organics	TPH - Total Petroleum Hydroc
DRO - Diesel Range Organics	mg/L - milligrams per liter
EXT - Extended	mg/kg - milligrams per kilogram
BG - Background	"-" - Indicates no data
ND - Non-detect	NA - Not Applicable
<b>Bold</b> values exceed COGCC Table 915 Standard	COGCC - Colorado Oil & Gas Conservation

COGCC Table 915 Standard	Units
NA	inches bgs
<4 or 2x BG	mmhos/cm
6-8.3	pH units
<6	no units
NA	mg/L
NA	mg/L
NA	mg/L
0.68	mg/kg
15,000	mg/kg
71	mg/kg
0.3	mg/kg
3,100	mg/kg
400	mg/kg
390	mg/kg
390	mg/kg
23000	mg/kg
N/A	mg/kg
2.0	mg/L
1.20	mg/kg
490	mg/kg
6	mg/kg
58	mg/kg
NA	mg/kg
NA	mg/kg
NA	mg/kg
500	mg/kg
2	mg/kg
360	mg/kg
240	mg/kg
1,800	mg/kg
240	mg/kg
180	mg/kg
1.10	mg/kg
110	mg/kg
1.10	mg/kg
11.0	mg/kg
0.110	mg/kg
1.10	mg/kg
0.110	mg/kg