Cottonwood CONSULTING

Table 1
Soil Sampling Results
Haun-Delaney (OWP) #1
Red Mesa Field
Colorado Energy & Carbon Management Commission

Parameter	SS01 7/20/2021	SS02 7/20/2021	SS03 7/20/2021	SS04 9/20/2023	ECMC Table 915-1 Standard	Units
Sample Location	Wellhead	Flowline	Flowline	Wellhead Excavation	NA	NA
Latitude/Longitude	37.10947, -108.11683	37.109213, -108.116912	37.109479, -108.116914	37.109496, -108.116861	NA	NA
Laboratory ID	2107210-01	2107210-02	2107210-03	2309226-01	NA	NA
Depth	7.0	3.0	3.0	8.0	NA	feet bgs
PID	1.0	0.3	0.4	1.9	NA	ppm
Conductivity	2.490	0.930	0.840	-	<4	mmhos/cm
pH	**9.83**	7.90	7.60	8.02	6-8.3	pH units
SAR	**6.44**	0.67	0.28	2.42	<6	no units
Calcium	143	89.0	112	98.6	NA	mg/L
Magnesium	16.6	35.7	23.7	42.5	NA	mg/L
Sodium	305	29.6	12.7	114	NA	mg/L
Arsenic	5.65	4.40	5.47	-	0.68 or 1.25x BG	mg/kg
Barium	319	209	229	-	15,000 or 1.25x BG	mg/kg
Cadmium	<5.00	<5.00	<5.00	-	71 or 1.25x BG	mg/kg
Chromium (VI)	-	-	-	-	0.3 or 1.25x BG	mg/kg
Total Chromium	12.5	11.9	14.0	-	NA	mg/kg
Copper	16.1	15.0	17.6	-	3,100 or 1.25x BG	mg/kg
Lead	<10.0	<10.0	<10.0	-	400 or 1.25x BG	mg/kg
Nickel	8.45	8.94	11.9	-	1,500 or 1.25x BG	mg/kg
Selenium	<20.0	<20.0	<20.0	-	390 or 1.25x BG	mg/kg
Silver	<1.00	<1.00	<1.00	-	390 or 1.25x BG	mg/kg
Zinc	27.7	29.7	34.4	-	23,000 or 1.25x BG	mg/kg
Boron	<1.20	<1.20	<1.20	-	2	mg/L
TPH (GRO)	<10.0	<10.0	<10.0	-	NA	mg/kg
TPH (DRO)	18.3	<10.0	10.8	-	NA	mg/kg
TPH (EXT DRO)	<10.0	<10.0	<10.0	-	NA	mg/kg
Total TPH	18.3	<30.0	10.8	-	500	mg/kg
Benzene	<0.0250	<0.0250	<0.0250	-	1.2	mg/kg
Toluene	<0.0250	<0.0250	<0.0250	-	490	mg/kg
Ethylbenzene	<0.0250	<0.0250	<0.0250	-	5.8	mg/kg
Total Xylenes	<0.0750	<0.0750	<0.0750	-	58	mg/kg
1,3,5-trimethylbenzene	<0.0250	<0.0250	<0.0250	-	27	mg/kg
1,2,4-trimethylbenzene	<0.0250	<0.0250	<0.0250	-	30	mg/kg
Naphthalene	<0.0250	<0.0250	<0.0250	-	2	mg/kg
2-methylnaphthalene	<0.023	<0.023	<0.023	-	24	mg/kg
1-methylnaphthalene	<0.016	<0.016	<0.016	-	18	mg/kg
Acenaphthene	<0.024	<0.024	<0.024	-	360	mg/kg
Fluorene	<0.014	<0.014	<0.014	-	240	mg/kg
Anthracene	<0.017	<0.017	<0.017	-	1800	mg/kg
Fluoranthene	<0.019	<0.019	<0.019	-	240	mg/kg
Pyrene	<0.013	<0.013	<0.013	-	180	mg/kg
Benzo(a)anthracene	<0.023	<0.023	<0.023	-	1.1	mg/kg
Chrysene	<0.017	<0.017	<0.017	-	110	mg/kg
Benzo(b)fluoranthene	<0.019	<0.019	<0.019	-	1.1	mg/kg
Benzo(k)fluoranthene	<0.016	<0.016	<0.016	-	11	mg/kg
Benzo(a)pyrene	<0.018	<0.018	<0.018	-	0.11	mg/kg
Indeno(1,2,3-cd)pyrene	<0.017	<0.017	<0.017	-	1.1	mg/kg
Dibenz(a,h)anthracene	<0.019	<0.019	<0.019	-	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
ppm - parts per million
"-" - No data
bgs - below ground surface
mmhos/cm - millihos per centimeter
mg/L - milligrams per liter
mg/kg - milligrams per kilogram
ECMC - Colorado Energy and Carbon Management Commission
BG- Background
Bold values exceed ECMC Standard
Values reported below the laboratory detection limit are considered zero in Total TPH calculations.