

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

Parameter	SS01	SS02	SS03	ECMC Table 915-1 Standard	Units
	7/20/2021	7/20/2021	9/20/2023		
Sample Location	West AST	East AST	West AST Excavation	NA	NA
Latitude/Longitude	37.111141, -108.116723	37.111138, -108.116682	37.111160, -108.116723	NA	NA
Laboratory ID	2107209-01	2107209-02	2309224-01	NA	NA
Depth	0.0-0.5	0.0-0.5	2.0	NA	feet bgs
PID	53.2	0.8	1.1	NA	ppm
Conductivity	0.505	1.390	-	<4	mmhos/cm
pH	7.36	7.34	-	6-8.3	pH units
SAR	0.52	0.65	-	<6	no units
Calcium	68.1	188	-	NA	mg/L
Magnesium	10.8	25.9	-	NA	mg/L
Sodium	17.5	36.0	-	NA	mg/L
Arsenic	8.39	6.14	-	0.68 or 1.25x BG	mg/kg
Barium	205	186	-	15,000 or 1.25x BG	mg/kg
Cadmium	<5.00	<5.00	-	71 or 1.25x BG	mg/kg
Chromium (VI)	-	-	-	0.3 or 1.25x BG	mg/kg
Total Chromium	13.9	13.5	-	NA	mg/kg
Copper	37.0	36.7	-	3,100 or 1.25x BG	mg/kg
Lead	11.4	11.4	-	400 or 1.25x BG	mg/kg
Nickel	11.5	10.4	-	1,500 or 1.25x BG	mg/kg
Selenium	<20.0	<20.0	-	390 or 1.25x BG	mg/kg
Silver	<1.00	<1.00	-	390 or 1.25x BG	mg/kg
Zinc	42.7	49.6	-	23,000 or 1.25x BG	mg/kg
Boron	<1.20	1.31	-	2	mg/L
TPH (GRO)	13.1	<10.0	<10.0	NA	mg/kg
TPH (DRO)	1,070	<10.0	<10.0	NA	mg/kg
TPH (EXT DRO)	261	<10.0	<10.0	NA	mg/kg
Total TPH	1,344.1	<30.0	<30.0	500	mg/kg
Benzene	<0.0250	<0.0250	-	1.2	mg/kg
Toluene	<0.0250	<0.0250	-	490	mg/kg
Ethylbenzene	<0.0250	<0.0250	-	5.8	mg/kg
Total Xylenes	<0.0750	<0.0750	-	58	mg/kg
1,3,5-trimethylbenzene	0.258	<0.0250	-	27	mg/kg
1,2,4-trimethylbenzene	0.594	<0.0250	-	30	mg/kg
Naphthalene	0.506	<0.0250	-	2	mg/kg
2-methylnaphthalene	2.77	<0.023	-	24	mg/kg
1-methylnaphthalene	2.23	<0.016	-	18	mg/kg
Acenaphthene	<0.235	<0.024	-	360	mg/kg
Fluorene	0.507	<0.014	-	240	mg/kg
Anthracene	<0.172	<0.017	-	1800	mg/kg
Fluoranthene	<0.185	<0.019	-	240	mg/kg
Pyrene	<0.132	<0.013	-	180	mg/kg
Benzo(a)anthracene	<0.230	<0.023	-	1.1	mg/kg
Chrysene	<0.172	<0.017	-	110	mg/kg
Benzo(b)fluoranthene	<0.192	<0.019	-	1.1	mg/kg
Benzo(k)fluoranthene	<0.157	<0.016	-	11	mg/kg
Benzo(a)pyrene	<0.182*	<0.018	-	0.11	mg/kg
Indeno(1,2,3-cd)pyrene	<0.168	<0.017	-	1.1	mg/kg
Dibenz(a,h)anthracene	<0.186*	<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

* - Laboratory detection limit exceeds ECMC standards

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.

"-" - No data