

Table 1
PM 9010
Soil Sample Summary

LABORATORY DATA SUMMARY									
Sample ID	PMF 9010 BGW	PMF 9010 BGN	PMF 9010 BGE	PMF 9010 BGN2	PMF 9010 BGE2	PMF 9010 BGW2	COGCC TABLE 915-1 CONCENTRATION LEVELS		UNITS
Sample Depth	0-6"	0-6"	0-6"	0-6	0-6	0-6			
Longitude	-108.998497	-108.998229	-108.997192	-108.997508	-108.9967	-108.998687			
Latitude	39.813432	39.814012	39.813578	39.814034	39.813495	39.814121			
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab			
Sample Description	Background West	Background North	Background East	Background North #2	Background East #2	Background West #2			
Sample Date	9/29/2021	9/29/2021	9/29/2021	11/4/2021	11/4/2021	11/4/2021	Residential Soil Screening Level	Protection of Groundwater	
Analytical Parameters									
TPH							500		mg/kg
TPH Gasoline Range Organics	NA	NA	NA	NA	NA	NA			
TPH Diesel Range Organics [C10-C28]	NA	NA	NA	NA	NA	NA			
TPH Oil Range Organics [C28-C36]	NA	NA	NA	NA	NA	NA			
TOTAL TPH	NA	NA	NA	NA	NA	NA			
BTEX									
Benzene	NA	NA	NA	NA	NA	NA	1.2	0.0026	mg/kg
Toluene	NA	NA	NA	NA	NA	NA	490	0.69	mg/kg
Ethylbenzene	NA	NA	NA	NA	NA	NA	5.8	0.78	mg/kg
Total Xylenes	NA	NA	NA	NA	NA	NA	58	9.9	mg/kg
TMB									
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	30	0.0081	mg/kg
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	27	0.0087	mg/kg
Metals									
Arsenic	4.42	2.19	6.56	3.23	2.18	10.1	0.68	0.29	mg/kg
Barium	NA	NA	NA	NA	NA	NA	15,000	82	mg/kg
Cadmium	NA	NA	NA	NA	NA	NA	71	0.38	mg/kg
Chromium (Hexavalent)	NA	NA	NA	NA	NA	NA	0.3	0.00067	mg/kg
Copper	NA	NA	NA	NA	NA	NA	3,100	46	mg/kg
Lead	NA	NA	NA	NA	NA	NA	400	14	mg/kg
Nickel	NA	NA	NA	NA	NA	NA	1,500	26	mg/kg
Selenium	NA	NA	NA	NA	NA	NA	390	0.26	mg/kg
Silver	NA	NA	NA	NA	NA	NA	390	0.8	mg/kg
Zinc	NA	NA	NA	NA	NA	NA	23,000	370	mg/kg
SAR Metals Analysis									
Sodium Adsorption Ratio	3.66	4.49	3.47	48.1	63.5	86.9	<6		ratio
Polynuclear Aromatic Hydrocarbons									
Acenaphthene	NA	NA	NA	NA	NA	NA	360	0.55	mg/kg
Anthracene	NA	NA	NA	NA	NA	NA	1,800	5.8	mg/kg
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	1.1	0.011	mg/kg
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	0.11	0.24	mg/kg
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	1.1	0.3	mg/kg
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA	11	2.9	mg/kg
Chrysene	NA	NA	NA	NA	NA	NA	110	9	mg/kg
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA	0.11	0.096	mg/kg
Fluoranthene	NA	NA	NA	NA	NA	NA	240	8.9	mg/kg
Fluorene	NA	NA	NA	NA	NA	NA	240	0.54	mg/kg
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	1.1	0.98	mg/kg
1-Methylnapthalene	NA	NA	NA	NA	NA	NA	18	0.006	mg/kg
2-Methylnapthalene	NA	NA	NA	NA	NA	NA	24	0.019	mg/kg
Napthalene	NA	NA	NA	NA	NA	NA	2	0.0038	mg/kg
Pyrene	NA	NA	NA	NA	NA	NA	180	1.3	mg/kg
General Chemistry									
Boron	NA	NA	NT	NA	NA	NA	2		mg/L
Specific Conductivity	0.397	0.356	0.279	2.750	2.910	13.600	<4		mmhos/cm
pH (*T8 Qualifier)	9.17	9.31	9.56	9.63	9.3	8.96	6-8.3		su

mg/kg - milligrams per kilogram

mg/L - milligrams per liter

J - indicates an estimated value

B - same analyte is found in associated blank

J6 - sample matrix interfered with the ability to make any accurate determination; spike value is low

mmhos/cm - millimhos per centimeter

mV - millivolts

su - standard units

NA - not applicable

NT - parameter was not tested

ND - not detected above method detection limit

T8 - Samples received past/too close to holding time expiration

Over COGCC Table 915-1 concentration levels but under BACKGROUND level or not related to Oil and Gas Production (013.e.2.c Operator Knowledge attached).

Over COGCC Table 915-1 concentration levels and not within BACKGROUND level.