

Table 1
McDaniels 14-3
Soil Sample Summary

LABORATORY DATA SUMMARY							
Sample ID	Fed K-26 BGN	Fed K-26 BGW	FED K-26 BGE	Fed K-26 Wellhead	COGCC TABLE 915-1 CONCENTRATION LEVELS		UNITS
Sample Depth	0-6"	0-6"	0-6"	2'			
Longitude	39.75724	39.756689	39.756452	39.756756			
Latitude	-108.701889	-108.701312	-108.702238	-108.701924			
Sample Type	Grab	Grab	Grab	Grab			
Sample Description	Background North	Background West	Background East	K-26 Wellhead			
Sample Date	10/12/2021	10/12/2021	10/12/2021	9/29/2021			
Analytical Parameters					Residential Soil Screening Level	Protection of Groundwater	
TPH							
TPH Gasoline Range Organics	NA	NA	NA	0.214	500		mg/kg
TPH Diesel Range Organics [C10-C28]	NA	NA	NA	5.75			
TPH Oil Range Organics [C28-C36]	NA	NA	NA	31.9			
TOTAL TPH	NA	NA	NA	37.864			
BTEX							
Benzene	NA	NA	NA	<0.000467	1.2	0.0026	mg/kg
Toluene	NA	NA	NA	<0.00130	490	0.69	mg/kg
Ethylbenzene	NA	NA	NA	<0.000737	5.8	0.78	mg/kg
Total Xylenes	NA	NA	NA	U	58	9.9	mg/kg
TMB							
1,2,4-Trimethylbenzene	NA	NA	NA	<0.00158	30	0.0081	mg/kg
1,3,5-Trimethylbenzene	NA	NA	NA	U	27	0.0087	mg/kg
Metals							
Arsenic	3.92	3.13	3.27	3.02	0.68	0.29	mg/kg
Barium	NA	NA	NA	68.7	15,000	82	mg/kg
Cadmium	NA	NA	NA	0.32	71	0.38	mg/kg
Chromium (Hexavalent)	NA	NA	NA	< 0.255	0.3	0.00067	mg/kg
Copper	NA	NA	NA	17.8	3,100	46	mg/kg
Lead	NA	NA	NA	12.2	400	14	mg/kg
Nickel	NA	NA	NA	13	1,500	26	mg/kg
Selenium	NA	NA	NA	<0.764	390	0.26	mg/kg
Silver	NA	NA	NA	< 0.127	390	0.8	mg/kg
Zinc	NA	NA	NA	58.6	23,000	370	mg/kg
SAR Metals Analysis							
Sodium Adsorption Ratio	0.0447	0.0744	0.0414	0.0476	<6		ratio
Polynuclear Aromatic Hydrocarbons							
Acenaphthene	NA	NA	NA	< 0.00209	360	0.55	mg/kg
Anthracene	NA	NA	NA	< 0.00230	1,800	5.8	mg/kg
Benzo(a)anthracene	NA	NA	NA	< 0.00173	1.1	0.011	mg/kg
Benzo(a)pyrene	NA	NA	NA	< 0.00179	0.11	0.24	mg/kg
Benzo(b)fluoranthene	NA	NA	NA	< 0.00153	1.1	0.3	mg/kg
Benzo(k)fluoranthene	NA	NA	NA	< 0.00215	11	2.9	mg/kg
Chrysene	NA	NA	NA	< 0.00232	110	9	mg/kg
Dibenzo(a,h)anthracene	NA	NA	NA	< 0.00172	0.11	0.096	mg/kg
Fluoranthene	NA	NA	NA	< 0.00227	240	8.9	mg/kg
Fluorene	NA	NA	NA	< 0.00205	240	0.54	mg/kg
Indeno(1,2,3-cd)pyrene	NA	NA	NA	< 0.00181	1.1	0.98	mg/kg
1-Methylnaphthalene	NA	NA	NA	< 0.00449	18	0.006	mg/kg
2-Methylnaphthalene	NA	NA	NA	< 0.00427	24	0.019	mg/kg
Napthalene	NA	NA	NA	< 0.00408	2	0.0038	mg/kg
Pyrene	NA	NA	NA	< 0.00200	180	1.3	mg/kg
General Chemistry							
Boron	NA	NA	NA	0.189	2		mg/L
Specific Conductivity	0.191	0.160	0.220	0.150	<4		mmhos/cm
pH (*T8 Qualifier)	8.10	7.63	7.58	**8.38	6-8.3		su

**Background within/below area limit 8.48 @ D26 pad ~ 2,100' and within same soil type (Blazon, moist-Rentsac complex, 8 to 65 percent slopes)

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.

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

Over COGCC Table 915-1 concentration levels