

Table 1
PM 9015
Soil Sample Summary

LABORATORY DATA SUMMARY															COGCC TABLE 915-1 CONCENTRATION LEVELS				
Sample ID	PMF 9015 BGN	PMF 9015 BGW	PMF 9015 BGE	PMF 9015 Meter	PMF 9015 Sep	PMF 9015 Wellhead	PMF 9015 Nwall	PMF 9015 Ewall	PMF 9015 Swall	PMF 9015 Vwall	PMF 9015 Pit Bot	PMF 9015 BGN2	PMF 9015 BGS2	PMF 9015 BGE2					
Sample Depth	0-6'	0-6'	0-6'	0-6'	0-6'	0-6'	0-6'	0-6'	0-6'	0-6'	0-6'	0-6'	0-6'	0-6'					
Longitude	-109.013323	-109.013384	-109.012694	-109.013024	-109.013009	-109.013377	-109.012968	-109.012345	-109.012966	-109.012996	-109.012968	-109.013089	-109.012815	-109.012388					
Latitude	39.804307	39.804339	39.804464	39.804463	39.804453	39.804743	39.80471	39.80471	39.804676	39.804708	39.80471	39.805067	39.804102	39.804079					
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab					
Sample Description	Background North	Background West	Background East	Meter	Separator	Well head	Pit North Wall	Pit East Wall	Pit South Wall	Pit West Wall	Pit Bottom	Background North #2	Background South #2	Background East #2					
Sample Date	9/29/2021	9/29/2021	9/29/2021	9/29/2021	9/29/2021	9/29/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/4/2021	11/4/2021	11/4/2021					
Analytical Parameters															Residential Soil Screening Level	Protection of Groundwater	UNITS		
TPH																			
TPH Gasoline Range Organics	NA	NA	NA	NT	0.103	0.127	0.172	0.237	0.207	0.276	0.175	0.253	NA	NA	NA				
TPH Diesel Range Organics [C10-C28]	NA	NA	NA	NT	5.7	5.71	96.3	5.57	4.62	10.9	4.66	1.75	NA	NA	NA				
TPH Oil Range Organics [C20-C36]	NA	NA	NA	NT	5.6	9.5	156	20.6	15.2	37.2	15.9	4.02	NA	NA	NA	500	mg/kg		
TOTAL TPH	NA	NA	NA	NT	11.403	15.337	252.472	26.407	20.027	48.376	20.735	6.023	NA	NA	NA				
BTEX																			
Benzene	NA	NA	NA	NT	<0.000467	<0.000467	<0.000467	<0.00467	<0.00467	<0.00467	<0.00467	<0.00467	NA	NA	NA	1.2	0.0026	mg/kg	
Toluene	NA	NA	NA	NT	<0.00130	<0.00130	<0.00130	<0.00130	<0.00130	<0.00130	<0.00130	<0.00130	NA	NA	NA	490	0.69	mg/kg	
Ethylbenzene	NA	NA	NA	NT	<0.000737	<0.000737	<0.000737	<0.000737	<0.000737	<0.000737	<0.000737	<0.000737	NA	NA	NA	5.8	0.78	mg/kg	
Total Xylenes	NA	NA	NA	NT	<0.000880	<0.000880	<0.000880	<0.000880	<0.000880	<0.000880	<0.000880	<0.00117	NA	NA	NA	58	9.9	mg/kg	
1MB																			
1,2,4-Trimethylbenzene	NA	NA	NA	NT	<0.00158	<0.00158	<0.00158	<0.00158	<0.00158	<0.00158	<0.00158	<0.00158	NA	NA	NA	30	0.0081	mg/kg	
1,3,5-Trimethylbenzene	NA	NA	NA	NT	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	NA	NA	NA	27	0.0087	mg/kg	
Metals																			
Arsenic	9.29	13	6.53	2.19	2.79	5.32	7.34	6.37	7.54	5.3	6.79	13.3	7.82	0.68	0.29	mg/kg			
Barium	NA	NA	NT	157	128	341	148	115	149	137	148	NA	NA	15,000	82	mg/kg			
Cadmium	NA	NA	NT	0.387	0.184	1.43	0.0344	0.295	0.325	0.333	0.293	NA	NA	NA	71	0.38	mg/kg		
Chromium (Hexavalent)	NA	NA	NT	<0.255	<0.255	<0.255	<0.255	<0.255	<0.255	<0.255	<0.255	NA	NA	NA	0.03	0.00067	mg/kg		
Copper	NA	NA	NT	24.6	21.6	20.3	21.5	17.8	19	17.4	18.4	NA	NA	NA	180	46	mg/kg		
Lead	NA	NA	NT	11.8	8.26	32.6	10.5	10.5	12.2	9.94	9.12	NA	NA	NA	400	14	mg/kg		
Nickel	NA	NA	NT	12.6	10.1	11.1	13.2	12.7	13.6	10.4	12.4	NA	NA	NA	1,500	26	mg/kg		
Selenium	NA	NA	NT	<0.764	<0.764	<0.764	<0.764	<0.764	<0.764	<0.764	<0.764	NA	NA	NA	390	0.26	mg/kg		
Silver	NA	NA	NT	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	<0.127	NA	NA	NA	2	0.8	mg/kg		
Zinc	NA	NA	NT	34.8	26.3	217	44	39.2	40	41.5	41.1	NA	NA	NA	23,000	370	mg/kg		
SAR Metals Analysis																			
Sodium Adsorption Ratio	0.621	28.2	1.46	1.84	30.7	5.23	3.35	6.42	2.16	2.18	13.9	6.42	1.07	29	1.12	<6	ratio		
Polynuclear Aromatic Hydrocarbons																			
Acenaphthene	NA	NA	NT	<0.00209	<0.00209	<0.00209	<0.00209	<0.00209	<0.00209	<0.00209	<0.00209	<0.00209	NA	NA	NA	360	0.55	mg/kg	
Anthracene	NA	NA	NT	<0.00230	<0.00230	<0.00230	<0.00230	<0.00230	<0.00230	<0.00230	<0.00230	<0.00230	NA	NA	NA	1,800	5.8	mg/kg	
Benzo(a)anthracene	NA	NA	NT	<0.00173	<0.00173	<0.00173	<0.00173	<0.00173	<0.00173	<0.00173	<0.00173	<0.00173	NA	NA	NA	1.1	0.011	mg/kg	
Benzo(e)pyrene	NA	NA	NT	<0.00179	<0.00179	<0.00179	<0.00179	<0.00179	<0.00179	<0.00179	<0.00179	<0.00179	NA	NA	NA	0.11	0.24	mg/kg	
Benzo(k)fluoranthene	NA	NA	NT	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	<0.00153	NA	NA	NA	1.1	0.3	mg/kg	
Benzo(k)fluoranthene	NA	NA	NT	<0.00215	<0.00215	<0.00215	<0.00215	<0.00215	<0.00215	<0.00215	<0.00215	<0.00215	NA	NA	NA	11	2.9	mg/kg	
Chrysene	NA	NA	NT	<0.00232	<0.00232	<0.00232	<0.00232	<0.00232	<0.00232	<0.00232	<0.00232	<0.00232	NA	NA	NA	110	9	mg/kg	
Dibenz(a,h)anthracene	NA	NA	NT	<0.00172	<0.00172	<0.00172	<0.00172	<0.00172	<0.00172	<0.00172	<0.00172	<0.00172	NA	NA	NA	0.11	0.96	mg/kg	
Dibenz(a,h)anthracene	NA	NA	NT	<0.00227	<0.00227	<0.00227	<0.00227	<0.00227	<0.00227	<0.00227	<0.00227	<0.00227	NA	NA	NA	1.1	8.9	mg/kg	
Fluorene	NA	NA	NT	<0.00205	<0.00205	<0.00448	<0.00205	<0.00205	<0.00205	<0.00205	<0.00205	<0.00205	NA	NA	NA	240	0.54	mg/kg	
Indeno(1,2,3-cd)pyrene	NA	NA	NT	<0.00181	<0.00181	<0.00181	<0.00181	<0.00181	<0.00181	<0.00181	<0.00181	<0.00181	NA	NA	NA	1.1	0.98	mg/kg	
1-Methylthaphthalene	NA	NA	NT	<0.00449	<0.00449	0.00886	<0.00449	<0.00449	<0.00449	<0.00449	<0.00449	<0.00449	NA	NA	NA	18	0.006	mg/kg	
2-Methylthaphthalene	NA	NA	NT	<0.00427	<0.00427	0.0172	<0.00427	<0.00427	<0.00427	<0.00427	<0.00427	<0.00427	NA	NA	NA	24	0.019	mg/kg	
Naphthalene	NA	NA	NT	<0.00408	<0.00408	0.0537	<0.00408	<0.00408	<0.00408	<0.00408	<0.00408	<0.00408	NA	NA	NA	2	0.0038	mg/kg	
Pyrene	NA	NA	NT	<0.00200	<0.00200	0.00222	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	NA	NA	NA	180	1.3	mg/kg	
General Chemistry																			
Boron	NA	NA	NT	0.164	0.466	0.251	0.362	0.464	0.303	0.281	0.265	NA	NA	NA	NA	2		mg/L	
Specific Conductivity	0.168	1.340	0.218	0.164	0.218	0.165	0.218	0.423	0.231	0.258	0.254	0.187	2.600	0.213	0.173	<4		mmhos/cm	
pH (TIS Autalizer)	8.68	9.42	8.03	9.01	9.15	9.05	9.1	9.28	8.65	8.87	9.9	8.73	8.98	8.2	8.3	6-8.3		su	

mg/kg - milligrams per kilogram
 mg/L - milligrams per liter
 J - indicates an estimated value
 B - same sample is found in associated blank
 ab - sample matrix interfered with the ability to make any accurate determination; spike value is low
 mmHg/cm - millimeters per centimeter
 mv - millivolts
 su - standard units
 NA - not applicable
 ND - not applicable
 NT - parameter was not tested
 ND - not detected above method detection limit
 TB - Samples received past/bio close to holding time expiration