

Table 1
MC Hagood A8 Spill
Soil Data Summary

SAMPLE SUMMARY	
Location Description	MC Hagood A8
Sample Type	Soil

LABORATORY DATA SUMMARY													
Sample ID	MC Hagood ABX (ORIGIN)	MC HAGOOD A8-POR (ORIGIN)	HA8-SS1	HA8-SS2	HA8-SS3	HA8-SS4	HA8-BG1	MCH44-BG1	COGCC TABLE 910-1 CONCENTRATION LEVELS	ECMC TABLE 915-1 CONCENTRATION LEVELS		UNITS	
Depth	6"		0-6"	0-6"	0-6"	0-6"	0-6"	0-6"		Residential Soil Levels	Protection of Groundwater		
Sample Date	7/8/2020	12/18/2024	7/14/2020	7/14/2020	7/14/2020	7/14/2020	7/14/2020	6/11/2018					
Analytical Parameters													
TPH													
TPH Gasoline Range Organics	<6.9	0.112	<6.5	240	3.9 J	<7.3	NT	NT					
TPH Diesel Range Organics	4.2	8.35	6.8 J	120	130	17	NT	NT	500	500	500	mg/kg	
TPH Oil Range Organics	NT		NT	NT	NT	NT	NT	NT					
BTEX													
Benzene	<0.041	<0.001	<0.039	<0.045	<0.037	<0.044	NT	NT	0.17	1.2	0.0026	mg/kg	
Toluene	<0.041	<0.005	<0.039	<0.045	<0.037	<0.044	NT	NT	85	490	0.69	mg/kg	
Ethylbenzene	<0.041	<0.0025	<0.039	0.071	<0.037	<0.044	NT	NT	100	5.8	0.78	mg/kg	
Total Xylene	<0.12	<0.0065	0.063 J	0.65	<0.11	<0.13	NT	NT	175	58	9.9	mg/kg	
1,2,4-trimethylbenzene	NT	<0.005	NT	NT	NT	NT	NT	NT	NA	30	0.0081	mg/kg	
1,3,5-trimethylbenzene	NT	<0.005	NT	NT	NT	NT	NT	NT	NA	27	0.0087	mg/kg	
Metals													
Arsenic	6.7	5.98	5.9	8.8	5.3	6.1	2.7	7.2	0.39	0.68	0.29	mg/kg	
Barium	130	98.2	110	260	180	120	60	92	15,000	15,000	82	mg/kg	
Cadmium	0.14 J	0.216 J	0.15 J	0.15 J	0.13 J	0.18 J	0.16 J	0.055 J	70	71	0.38	mg/kg	
Chromium	12	11	9.6	12	11	12	7.4	8.6	NA	NA	NA	mg/kg	
Copper	13 B	11.8	11	12	11	13	13	13	3,100	3,100	46	mg/kg	
Lead	18	14.3	18	20	18	19	13	15	400	400	14	mg/kg	
Mercury	0.025	NT	0.094	0.11	0.094	0.11	0.12	0.068	23	NA	NA	mg/kg	
Nickel	26	14.5	13	15	14	16	11	14	1,600	1,500	26	mg/kg	
Selenium	0.78	0.947 J	0.83	0.75	0.76	0.93	0.80	0.42 J	390	390	0.26	mg/kg	
Silver	0.075 J	<0.500	0.078 J	0.087 J	0.077 J	0.084 J	<0.16	<0.062	390	390	0.8	mg/kg	
Zinc	58	60.4	56	64	65	67	48	67	23,000	23,000	370	mg/kg	
SAR Metals Analysis													
Calcium	3300	NT	1500	520	190	1600	1800	61	NA	NA	NA	mg/L	
Magnesium	1500	NT	250	82	29	250	54	8.9	NA	NA	NA	mg/L	
Sodium	11000	NT	2400	4500	2700	5600	14	21	NA	NA	NA	mg/L	
Sodium Adsorption Ratio	39	10.0	15	49	48	35	0.092	0.66	<12	<6	<6	ratio	
Polynuclear Aromatic Hydrocarbons													
Acenaphthene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	1,000	360	0.55	mg/kg	
Anthracene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	1,800	5.8	5.8	mg/kg	
Benzo(a)anthracene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	0.22	1.1	0.011	mg/kg	
Benzo(a)pyrene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	0.022	0.11	0.24	mg/kg	
Benzo(b)fluoranthene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	0.22	1.1	0.3	mg/kg	
Benzo(k)fluoranthene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	2.2	11.00	2.90	mg/kg	
Chrysene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	22	110	9	mg/kg	
Dibenzo(a,h)anthracene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	0.022	0.11	0.096	mg/kg	
Fluoranthene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	1,000	240	8.9	mg/kg	
Fluorene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	1,000	240	0.54	mg/kg	
Indeno(1,2,3-cd)pyrene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	0.22	1.1	0.98	mg/kg	
1-methylnaphthalene	NT	<0.02	NT	NT	NT	NT	NT	NT	NA	18.00	0.006	mg/kg	
2-methylnaphthalene	NT	<0.02	NT	NT	NT	NT	NT	NT	NA	24.00	0.019	mg/kg	
Naphthalene	<0.0050	<0.02	0.0047 J	0.021	<0.0046	0.0050 J	NT	NT	23	2	0.0038	mg/kg	
Pyrene	<0.0050	<0.006	<0.0048	<0.0051	<0.0046	<0.0051	NT	NT	1,000	180	1.3	mg/kg	
General Chemistry													
Chromium, Hexavalent	<1.2	<1.00	<1.2	<1.3	<1.1	<1.2	<1.1	<0.38	23	0.3	0.00067	mg/kg	
Chromium, Trivalent	12	NT	11	11	9.6	12	7.4	8.6	120,000	NA	NA	mg/kg	
Hot Water Soluble Boron	NT	1.30	NT	NT	NT	NT	NT	NT	NA	2	2	mg/L	
Specific Conductivity	82	6.87	19	25	13	34	9.1	0.53	<4 or 2 x the background	<4	<4	mmhos/cm	
pH	7.77	8.23	8.11	7.95	7.82	7.73	7.80	8.62	6-9	6-8.3	6-8.3	su	

mg/kg - milligrams per kilogram
mg/L - milligrams per liter
H - analyzed outside of testing time
J - Indicates an estimated value
methanol - millimoles per centimeter
su - sulfide
su - standard units
NA - not applicable
NT - parameter was not tested

Over ECMC Table 915-1 concentration levels but under BACKGROUND level.

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

Over ECMC Table 915-1 concentration levels.