

Table 1  
MC Hagood AB Spill  
Soil Data Summary

SAMPLE SUMMARY	
Location Description	MC Hagood AB
Sample Type	Soil

Sample ID	MC HAGOOD ABX (ORIGIN)	MC HAGOOD AB-POR (ORIGIN)	HAB-S01	HAB-S01	HAB-S02	HAB-S02	HAB-S03	HAB-S03	HAB-S04	HAB-S04	HAB-B01	HAB-B02	MCHAB-B01	LABORATORY DATA SUMMARY			COGCC TABLE 910-1 CONCENTRATION LEVELS	ECM TABLE 915-1 CONCENTRATION LEVELS		
														Depth	Depth	Depth		Depth	Depth	Depth
Sample Date	7/6/2020	12/16/2024	7/14/2020	4/23/2025	7/14/2020	4/23/2025	7/14/2020	4/23/2025	7/14/2020	4/23/2025	7/14/2020	4/23/2025	6/11/2018							
<b>Analytical Parameters</b>																				
<b>VPIs</b>																				
TPH Gasoline Range Organics	<8.9	0.112	<8.5	NT	240	NT	3.9 J	NT	<7.3	NT	NT	NT	NT	NT	500	500	500	mg/kg		
TPH Diesel Range Organics	4.2	8.35	6.8 J	NT	120	NT	130	NT	17	NT	NT	NT	NT	NT						
TPH Oil Range Organics	NT	20.5	NT	9.74	NT	262	NT	149	NT	16.8	NT	NT	NT	NT						
<b>BTX</b>																				
Benzene	<0.041	<0.001	<0.039	NT	<0.045	NT	<0.037	NT	<0.044	NT	NT	NT	NT	NT	0.17	1.2	0.0026	mg/kg		
Toluene	<0.041	<0.005	<0.039	NT	<0.045	NT	<0.037	NT	<0.044	NT	NT	NT	NT	NT	85	490	0.69	mg/kg		
Ethylbenzene	<0.041	<0.0055	<0.039	NT	0.071	NT	<0.037	NT	<0.044	NT	NT	NT	NT	NT	100	5.8	0.78	mg/kg		
Total Xylene	<0.12	<0.0065	0.063 J	NT	0.85	NT	<0.11	NT	<0.13	NT	NT	NT	NT	NT	175	58	9.9	mg/kg		
1,2,4-trimethylbenzene	NT	<0.005	NT	<0.005	NT	<0.005	NT	<0.005	NT	<0.005	NT	NT	NT	NT	NA	30	0.0081	mg/kg		
1,3,5-trimethylbenzene	NT	<0.005	NT	<0.005	NT	<0.005	NT	<0.005	NT	<0.005	NT	NT	NT	NT	NA	27	0.0097	mg/kg		
<b>Metals</b>																				
Arsenic	6.7	5.86	5.9	NT	5.8	NT	5.3	NT	6.1	NT	2.7	NT	7.2	5.39	0.66	0.29	mg/kg			
Barium	130	89.2	110	NT	260	NT	180	NT	100	NT	60	NT	92	15,000	15,000	82	mg/kg			
Cadmium	0.14 J	0.216 J	0.15 J	NT	0.15 J	NT	0.13 J	NT	0.18 J	NT	0.16 J	NT	0.055 J	70	71	0.38	mg/kg			
Chromium	12	NT	11	NT	11	NT	9.6	NT	12	NT	7.4	NT	8.6	NA	NA	NA	mg/kg			
Copper	13 B	11.8	11	NT	12	NT	11	NT	13	NT	13	NT	13	3,100	3,100	49	mg/kg			
Lead	18	14.3	18	NT	20	NT	18	NT	19	NT	13	NT	15	400	400	14	mg/kg			
Mercury	0.025	NT	0.094	NT	0.11	NT	0.094	NT	0.11	NT	0.12	NT	0.098	23	NA	NA	mg/kg			
Nickel	26	14.5	13	NT	15	NT	14	NT	16	NT	11	NT	14	1,800	1,800	26	mg/kg			
Selenium	0.78	0.847 J	0.83	NT	0.75	NT	0.76	NT	0.93	NT	0.80	NT	0.42 J	390	390	0.26	mg/kg			
Silver	0.075 J	<0.500	0.078 J	NT	0.087 J	NT	0.077 J	NT	0.084 J	NT	<0.16	NT	<0.062	390	390	0.8	mg/kg			
Zinc	58	68.4	58	NT	64	NT	65	NT	67	NT	45	NT	67	23,000	23,000	370	mg/kg			
<b>SAR Metals Analysis</b>																				
Calcium	3300	NT	1500	NT	520	NT	190	NT	1600	NT	1600	NT	61	NA	NA	NA	mg/L			
Magnesium	1500	NT	220	NT	82	NT	29	NT	250	NT	64	NT	8.9	NA	NA	NA	mg/L			
Sodium	11000	NT	2400	NT	4500	NT	2700	NT	5600	NT	14	NT	21	NA	NA	NA	mg/L			
Sodium Adsorption Ratio	38	10.8	15	1.20	49	2.54	48	13.4	36	0.772	0.092	17.0	0.66	<12	<6	<6	ratio			
<b>Polynuclear Aromatic Hydrocarbons</b>																				
Acenaphthene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	1,000	360	0.55	mg/kg			
Anthracene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	1,000	1,800	5.8	mg/kg			
Benzo[a]anthracene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	0.22	1.1	0.011	mg/kg			
Benzo[a]pyrene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	0.022	0.11	0.24	mg/kg			
Benzo[b]fluoranthene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	0.22	1.1	0.3	mg/kg			
Benzo[k]fluoranthene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	2.2	11.00	2.99	mg/kg			
Chrysene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	22	110	9	mg/kg			
Dibenz[a,h]anthracene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	0.022	0.11	0.096	mg/kg			
Fluoranthene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	1,000	240	8.9	mg/kg			
Fluorene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	1,000	240	0.54	mg/kg			
Indeno[1,2,3-cd]pyrene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	0.22	1.1	0.98	mg/kg			
1-methylanthracene	NT	<0.02	NT	<0.02	NT	<0.02	NT	<0.02	NT	<0.02	NT	NT	NT	NA	18.00	0.008	mg/kg			
2-methylanthracene	NT	<0.02	NT	<0.02	NT	<0.02	NT	<0.02	NT	<0.02	NT	NT	NT	NA	24.00	0.019	mg/kg			
Naphthalene	<0.0050	<0.02	0.0047 J	NT	0.021	NT	<0.0046	NT	0.0050 J	NT	NT	NT	NT	23	2	0.0038	mg/kg			
Phenanthrene	<0.0050	<0.006	<0.0048	NT	<0.0051	NT	<0.0046	NT	<0.0051	NT	NT	NT	NT	1,000	180	1.3	mg/kg			
<b>General Chemistry</b>																				
Chromium, Hexavalent	<1.2	<1.00	<1.2	<1.00	<1.3	<1.00	<1.1	<1.00	<1.2	<1.00	<1.1	NT	<0.38	23	0.3	0.00067	mg/kg			
Chromium, Total/nt	12	NT	11	NT	11	NT	9.6	NT	12	NT	7.4	NT	8.6	120,000	NA	NA	mg/kg			
Hot Water Soluble Boron	NT	NT	1.30	NT	0.620	NT	1.12	NT	1.32	NT	0.466	NT	NT	2	2	2	mg/L			
Specific Conductivity	82	6.87	19	0.559	25	0.564	19	1.700	34	0.427	9.1	12.2	0.53	<4 or 2 x the background	<4	<4	mmhos/cm			
pH	7.77	8.23	8.11	8.23	7.85	NT	7.82	NT	7.73	8.23	7.80	NT	8.62	6-8.3	6-8.3		su			

mg/kg - milligrams per kilogram  
 mg/L - milligrams per liter  
 m - meters  
 J - indicates an estimated value  
 NT - indicates no analytical data  
 mmoles - millimoles per liter  
 m - millibars  
 NA - not available  
 NT - not applicable  
 NT - parameter was not tested

Over COGCC Table 910-1 concentration levels but under BACKGROUND level  
 Over COGCC Table 915-1 concentration levels but not under BACKGROUND level  
 Over COGCC Table 915-1 concentration levels  
 Background Sample