

**Table 1**  
**Koskie 13H-27-38-16 Spill**  
**Soil Data Summary**

SAMPLE SUMMARY							
Location Description	Koskie 13H-27-38-16						
Sample Type	Soil						

  

LABORATORY DATA SUMMARY							
Sample ID	SS01	K 13H-27 SS-01	SS02	K 13H-27 SS-02	BG01	COGCC TABLE 910-1 CONCENTRATION LEVELS	UNITS
Depth	0-6"	0-6"	0-6"	0-6"	0-6"		
Sample Date	9/15/2015	1/5/2017	9/15/2015	1/5/2017	9/15/2015		
Analytical Parameters							
TPH							
TPH Gasoline Range Organics	420	<3.5	<2.7	NT	NT	500	mg/kg
TPH Diesel Range Organics	15000	210	1800	120	NT		
BTEX							
Benzene	<3.2	0.041	<0.032	NT	NT	0.17	mg/kg
Toluene	<3.2	NT	<0.032	NT	NT	85	mg/kg
Ethylbenzene	<3.2	NT	<0.032	NT	NT	100	mg/kg
Total Xylene	<9.7	NT	<0.097	NT	NT	175	mg/kg
Metals							
Arsenic	<15	5.5	<7.5	7.1	5.1	0.39	mg/kg
Barium	2,200	NT	1,100	NT	150	15,000	mg/kg
Cadmium	<0.58	NT	<0.60	NT	<0.59	70	mg/kg
Chromium	4.7	NT	4.4	NT	6.5	NA	mg/kg
Copper	24	NT	<7.5	NT	6.9	3,100	mg/kg
Lead	14	NT	9.0	NT	10	400	mg/kg
Mercury	0.014	NT	<0.014	NT	<0.015	23	mg/kg
Nickel	4.6	NT	4.4	NT	8.4	1,600	mg/kg
Selenium	<1.5	NT	<1.5	NT	<1.5	390	mg/kg
Silver	<1.5	NT	<1.5	NT	<1.5	390	mg/kg
Zinc	35	NT	31	NT	30	23,000	mg/kg
SAR Metals Analysis							
Calcium	700	NT	720	NT	240	NA	mg/L
Magnesium	96	NT	17	NT	40	NA	mg/L
Sodium	370	NT	280	NT	10	NA	mg/L
Sodium Adsorption Ratio	3.5	NT	2.8	NT	0.17	<12	ratio
Polynuclear Aromatic Hydrocarbons							
Acenaphthene	<0.070	NT	<0.0071	NT	NT	1,000	mg/kg
Anthracene	<0.070	NT	<0.0071	NT	NT	1,000	mg/kg
Benzo(a)anthracene	<0.070	NT	<0.0071	NT	NT	0.22	mg/kg
Benzo(a)pyrene	<0.070	<0.0079	<0.0071	NT	NT	0.022	mg/kg
Benzo(b)fluoranthene	<0.070	NT	<0.0071	NT	NT	0.22	mg/kg
Benzo(k)fluoranthene	<0.070	NT	<0.0071	NT	NT	2.2	mg/kg
Chrysene	<0.070	NT	<0.0071	NT	NT	22	mg/kg
Dibenzo(a,h)anthracene	<0.070	<0.0079	<0.0071	NT	NT	0.022	mg/kg
Fluoranthene	<0.070	NT	<0.0071	NT	NT	1,000	mg/kg
Fluorene	<0.070	NT	<0.0071	NT	NT	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	<0.070	NT	<0.0071	NT	NT	0.22	mg/kg
Napthalene	<0.070	NT	<0.085	NT	NT	23	mg/kg
Pyrene	<0.070	NT	<0.0071	NT	NT	1,000	mg/kg
General Chemistry							
Chromium, Hexavalent	<1.1	NT	<1.1	NT	NT	23	mg/kg
Chromium, Trivalent	4.7	NT	4.4	NT	NT	120,000	mg/kg
Specific Conductivity	7.0	1.1	6.0	1.5	1.8	<4 or 2 x the background	mmhos/cm
pH	8.0	NT	9.0	NT	7.2	6-9	su

mg/kg - milligrams per kilogram  
mg/L - milligrams per liter  
J - indicates an estimated value  
mmhos/cm - millimhos per centimeter  
mv - millivolts  
su - standard units  
NA - not applicable  
NT - parameter was not tested