

Table 1  
Hawkins 10-4 Spill Investigation  
Soil Summary

LABORATORY DATA SUMMARY									
Sample ID	H 10-4 BG 1	H 10-4 BG2	H 10-4 BOT	H 10-4 N WALL	H 10-4 S WALL	H 10-4 W WALL	H 10-4 E WALL	COGCC TABLE 910-1 CONCENTRATION LEVELS	UNITS
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab		
Sample Depth	0-6"	0-6"	5'	5'	5'	5'	5'		
Sample Date	1/4/2021	1/4/2021	1/4/2021	1/4/2021	1/4/2021	1/4/2021	1/4/2021		
Longitude N	39.210881	39.209069	39.211021						
Latitude W	-107.872417	-107.871804	-107.874567						
Sample Description	Background Sample	Background Sample	Confirmation Sample	Confirmation Sample	Confirmation Sample	Confirmation Sample	Confirmation Sample		
Analytical Parameters									
TPH									
TPH Gasoline Range Organics	NT	NT	1.31	0.432	4.54	1.71	1.55	500 mg/kg	mg/kg
TPH Diesel Range Organics	NT	NT	ND	13.7	ND	ND	ND		
BTEX									
Benzene	NT	NT	0.0769	0.00656	0.0338	0.0355	0.0535	0.17	mg/kg
Toluene	NT	NT	0.0356	0.0124	0.0702	0.0564	0.206	85	mg/kg
Ethylbenzene	NT	NT	0.00838	0.00354	0.0375	0.0155	0.0153	100	mg/kg
Total Xylene	NT	NT	0.142	0.0623	2.31	0.231	0.240	175	mg/kg
Metals									
Arsenic	ND	ND	ND	ND	ND	ND	ND	0.39	mg/kg
Barium	NT	NT	174	109	215	165	116	15,000	mg/kg
Cadmium	NT	NT	ND	ND	ND	ND	ND	70	mg/kg
Chromium	NT	NT	19.6	20.5	19.5	19.9	18.3	NA	mg/kg
Copper	NT	NT	18.1	16.8	17.9	17.4	15.4	3,100	mg/kg
Lead	NT	NT	10.90	9.89	11.50	10.70	9.53	400	mg/kg
Mercury	NT	NT	ND	ND	ND	ND	ND	23	mg/kg
Nickel	NT	NT	17.1	14.8	19.4	21.5	17.1	1,600	mg/kg
Selenium	NT	NT	ND	ND	ND	ND	ND	390	mg/kg
Silver	NT	NT	ND	ND	ND	ND	ND	390	mg/kg
Zinc	NT	NT	50.5	47.4	50.6	52.6	53.5	23,000	mg/kg
SAR Metals Analysis									
Sodium Adsorption Ratio	0.0502	0.0572	2.35	0.979	2.05	2.01	0.675	<12	ratio
Polynuclear Aromatic Hyrdrocarbons									
Acenaphthene	NT	NT	ND	ND	ND	ND	ND	1,000	mg/kg
Anthracene	NT	NT	ND	ND	ND	ND	ND	1,000	mg/kg
Benzo(a)anthracene	NT	NT	ND	ND	ND	ND	ND	0.22	mg/kg
Benzo(a)pyrene	NT	NT	ND	ND	ND	ND	ND	0.022	mg/kg
Benzo(b)fluoranthene	NT	NT	ND	ND	ND	ND	ND	0.22	mg/kg
Benzo(k)fluoranthene	NT	NT	ND	ND	ND	ND	ND	2.2	mg/kg
Chrysene	NT	NT	ND	ND	ND	ND	ND	22	mg/kg
Dibenzo(a,h)anthracene	NT	NT	ND	ND	ND	ND	ND	0.022	mg/kg
Fluoranthene	NT	NT	ND	ND	ND	ND	ND	1,000	mg/kg
Fluorene	NT	NT	ND	ND	ND	ND	ND	1,000	mg/kg
Indeno(1,2,3-cd)pyrene	NT	NT	ND	ND	ND	ND	ND	0.22	mg/kg
Napthalene	NT	NT	ND	ND	ND	ND	ND	23	mg/kg
Pyrene	NT	NT	ND	ND	ND	ND	ND	1,000	mg/kg
General Chemistry									
Chromium, Hexavalent	NT	NT	ND	ND	ND	ND	ND	23	mg/kg
Chromium, Trivalent	NT	NT	19.6	20.5	19.5	19.9	18.3	120,000	mg/kg
Specific Conductivity	0.195	0.0832	0.217	0.0937	0.230	0.217	0.180	<4 or 2 x the background	mmhos/cm
pH	6.64	6.81	8.46	7.38	8.39	8.34	6.86	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  
ND - not detected above method detection limit

Over COGCC Table 910-1 concentration levels but under BACKGROUND level.

Over COGCC Table 910-1 concentration levels and not within BACKGROUND level.

Over COGCC Table 910-1 concentration levels