

#11 spill area excavation samples

	Lab Report #	L712135	L712135	L712135	L712135	L712135	L712135	L716793	L722683
	Lab Sample ID #	L712135-05	L712135-01	L712135-02	L712135-03	L712135-04	L712135-06	L716793-05	L722683-01
	Sample Name	Background	North Wall	Spill Bottom	South Wall	Fill spoil	Spill Path	South Wall (POC PL	POC PL SS2
	Sample Date	7/232/14	7/23/2014	7/23/2014	7/23/2014	7/23/2014	7/23/2014	8/18/2014	9/18/2014
Organics in Soil	MCL (mg/Kg)								
TPH	500		BDL	BDL	1570	39	14	704.2	18
Total Petroleum Hydrocarbons - GRO			BDL	BDL	70	BDL	BDL	4.2	BDL
Total Petroleum Hydrocarbons - DRO			BDL	BDL	1500	39	14	700	18
Benzene	0.17		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	85		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	100		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylenes	175		BDL	BDL	BDL	BDL	BDL	0.028	BDL
Organics in Soil (PAH's)									
Anthracene	1000		BDL	BDL	BDL	BDL	BDL	0.056	BDL
Acenaphthene	1000		BDL	BDL	0.052	BDL	BDL	0.020	BDL
Benzo(A)anthracene	0.22		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(A)pyrene	0.022		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(B)fluoranthene	0.22		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(K)fluoranthene	2.2		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	22		BDL	BDL	0.032	BDL	BDL	0.031	BDL
Dibenzo(A,H)anthracene	0.022		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fluoranthene	1000		BDL	BDL	BDL	BDL	BDL	0.012	BDL
Flourene	1000		BDL	BDL	0.051	BDL	BDL	0.027	BDL
Indeno(1,2,3,C,D)pyrene	0.22		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Napthalene	23		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Pyrene	1000		BDL	BDL	0.0360	BDL	BDL	0.0320	BDL
Inorganics in Soil									
pH	6-9		5.2	6.9	7.7	7.5	7.7	8.2	8.6
Sodium adsorption ratio (SAR)	<12		9.4	7.4	1.4	1.8	1.90	4.10	1.10
EC	<4 mmhos/cm or 2X background		0.5	0.490	0.430	0.300	0.33	0.35	0.54
Metals in Soils									
Mercury	23		BDL	BDL	0.022	BDL	0.023	BDL	BDL
Arsenic	0.39	7.8	7.5	7.4	6.7	7.5	8.6	8.9	5
Barium (LDNR True Total)	15,000		160	180	200	220	300	260	200
Cadmium	70		BDL	BDL	BDL	BDL	BDL	0.68	BDL
Chromium III	120,000		22	20	21	25	25	24	7.9
Chromium VI	23		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Copper	3100		19	15	16	15	15	12	13
Lead	400		15	14	15	15	16	15	13
Nickel	1600		18	17	18	18	19	20	14
Selenium	390		BDL	BDL	BDL	BDL	BDL	BDL	2.1
Silver	390		BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	23,000		72	73	72	71	77	82	66

BDL = below detection limit from lab
GRO = gasoline range organics
DRO = diesel range organics