

**Hawkins 10-9 08' Spill Closure**

Pad #:	Hawkins 10-9
Sample Date:	11/12/2013

		Sample Identifications (mg/kg)									
Lab Report #		L668251	L668251	L668251	L668251	L668251	L668251	L668251	L668251	L579427	L579427
Date Sampled		11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	11/12/2013	6/7/2012	6/7/2012
Sample Type		Spill Area - Post Remediation	Spill Area - Post Remediation	Spill Area - Post Remediation	Spill Area - Post Remediation	Spill Area - Post Remediation	Spill Area - Post Remediation	Spill Area - Post Remediation	Spill Area - Post Remediation	Background	Background
Sample Name		North Half 1 0-6"	North Half 2 0-6"	North Half 3 0-6"	North Half 4 0-6"	South Half 5 0-6"	South Half 6 0-6"	South Half 7 0-6"	South Half 8 0-6"	S1-2-5.0-BG	S4-1-2.5-BG
Organics in Soil											
	MCL (mg/Kg)										
TPH - GRO		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
TPH - DRO	500	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Benzene	0.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Toluene	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Ethylbenzene	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Xylenes	175	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Organics in Soil (PAH's)											
Acenaphthene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Anthracene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Benzo(A)anthracene	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Benzo(B)fluoranthene	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Benzo(K)fluoranthene	2.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Benzo(A)pyrene	0.022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Chrysene	22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Dibenzo(A,H)anthracene	0.022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Fluoranthene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Fluorene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Indeno(1,2,3,C,D)pyrene	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Napthalene	23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Pyrene	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Inorganics in Soil											
EC	<4 mmhos/cm or 2X background	0.26	0.34	0.37	0.37	0.31	0.16	0.35	0.50	0.21	0.13
SAR	<12	0.88	0.53	0.40	0.30	0.73	0.65	0.71	0.59	NA	NA
pH	6-9	8.1	8.2	8.2	8.3	8.2	8.3	8.3	8.4	8.3	7.5
Metals in Soils											
Arsenic	0.39	5.3	6.0	6.8	6.3	5.0	5.5	5.5	4.6	6.2	5.1
Barium (LDNR True Total)	15,000	220.0	170.0	150.0	230.0	180.0	130.0	150.0	230.0	NA	NA
Cadmium	70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Chromium III	120,000	18.0	20.0	23.0	16.0	18.0	18.0	18.0	14.0	NA	NA
Chromium VI	23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Copper	3100	14.0	13.0	14.0	13.0	18.0	14.0	15.0	16.0	NA	NA
Lead	400	9.8	7.9	9.0	8.4	10.0	11.0	11.0	12.0	NA	NA
Mercury	23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Nickel	1600	14.0	15.0	15.0	20.0	20.0	14.0	15.0	22.0	NA	NA
Selenium	390	1.8	1.6	1.5	1.8	1.8	1.9	1.8	1.7	NA	NA
Silver	390	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA
Zinc	23,000	44.0	44.0	45.0	39.0	43.0	43.0	44.0	42.0	NA	NA