EPA-R5-2016-005983 Outlook0000008

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH1-13*	*BH2-13*	*BH3-13*	*BH4-13*	*BH5-13*	*BH6-13*	*BH7-13*	*BH8-13*	*BH9-13*	*BH10-13*	*BH11-13*
Sample ID:			*GW-38443-061313-SM-016*	*GW-038443-061413-SM-021*	*GW-038443-061413-SM-020*	*GW-038443-061413-SM-022*	*GW-038443-061413-SM-019*	*GW-38443-061313-GL-017*	*GW-38443-061213-GL-011*	*GW-38443-061313-GL-014*	*GW-38443-061113-GL-001*	*GW-38443-061113-SM-002*	*GW-38443-061113-GL-003*
Sample Date:			*6/13/2013*	*6/14/2013*	*6/14/2013*	*6/14/2013*	*6/14/2013*	*6/13/2013*	*6/12/2013*	*6/13/2013*	*6/11/2013*	*6/11/2013*	*6/11/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*22.5-26.5 ft BGS*	*21.5-25.5 ft BGS*	*22.75-26.75 ft BGS*	*21.3-25.3 ft BGS*	*21-25 ft BGS*	*22-26 ft BGS*	*22-26 ft BGS*	*22.5-26.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	0.31 J
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.40 J[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.17 J	1.0 U[b]	1.0 U[b]
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	-	21000	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.3[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	0.45 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37 J	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	-	0.14	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	1.0 U	0.21 J	3.0	1.0 U	1.0 U	0.18 J	1.0 U	0.27 J	0.18 J	1.0 U
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.44	1.4[b]	0.71 J[b]	0.43 J	1.9[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Trichlorofluoromethane (CFC-11)	-	1100	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	Vinyl chloride	2	0.015	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Xylenes (total)	10000	190	Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	4.4	2.0 U	2.0 U	2.0 U	2.0 U
Metals			***Metals***										
Aluminum (dissolved)	-	16000	Aluminum (dissolved)	-	16000	200 U	200 U	-	200 U	-	-	-	-
Antimony (dissolved)	6	6	Antimony (dissolved)	6	6	10 U[ab]	10 U[ab]	-	10 U[ab]	-	-	-	-
Arsenic (dissolved)	10	0.045	Arsenic (dissolved)	10	0.045	10 U[b]	10 U[b]	-	10 U[b]	-	-	-	-
Barium (dissolved)	2000	2900	Barium (dissolved)	2000	2900	120 J	130 J	-	430	-	-	-	-
Beryllium (dissolved)	4	16	Beryllium (dissolved)	4	16	5.0 U[a]	5.0 U[a]	-	5.0 U[a]	-	-	-	-
Cadmium (dissolved)	5	6.9	Cadmium (dissolved)	5	6.9	2.0 U	2.0 U	-	2.0 U	-	-	-	-
Calcium (dissolved)	-	-	Calcium (dissolved)	-	-	140000	140000	-	160000	-	-	-	-
Chromium (dissolved)	100	-	Chromium (dissolved)	100	-	5.0 U	5.0 U	-	5.0 U	-	-	-	-
Cobalt (dissolved)	-	4.7	Cobalt (dissolved)	-	4.7	7.0 U[b]	2.7 J	-	7.0 U[b]	-	-	-	-
Copper (dissolved)	1300	620	Copper (dissolved)	1300	620	25 U	25 U	-	25 U	-	-	-	-
Iron (dissolved)	-	11000	Iron (dissolved)	-	11000	700	540	-	110	-	-	-	-
Lead (dissolved)	15	-	Lead (dissolved)	15	-	3.0 U	3.0 U	-	3.0 U	-	-	-	-
Magnesium (dissolved)	-	-	Magnesium (dissolved)	-	-	48000	44000	-	52000	-	-	-	-
Manganese (dissolved)	-	320	Manganese (dissolved)	-	320	120	310	-	370[b]	-	-	-	-
Mercury (dissolved)	2	0.63	Mercury (dissolved)	2	0.63	0.20 U	0.20 U	-	0.20 U	-	-	-	-
Nickel (dissolved)	-	300	Nickel (dissolved)	-	300	6.5 J	8.6 J	-	15 J	-	-	-	-
Potassium (dissolved)	-	-	Potassium (dissolved)	-	-	9400	9000	-	10000	-	-	-	-
Selenium (dissolved)	50	78	Selenium (dissolved)	50	78	26	24	-	6.6	-	-	-	-
Silver (dissolved)	-	71	Silver (dissolved)	-	71	5.0 U	5.0 U	-	5.0 U	-	-	-	-
Sodium (dissolved)	-	-	Sodium (dissolved)	-	-	130000	130000	-	120000	-	-	-	-
Thallium (dissolved)	2	0.16	Thallium (dissolved)	2	0.16	10 U[ab]	10 U[ab]	-	10 U[ab]	-	-	-	-
Vanadium (dissolved)	-	78	Vanadium (dissolved)	-	78	7.0 U	7.0 U	-	7.0 U	-	-	-	-
Zinc (dissolved)	-	4700	Zinc (dissolved)	-	4700	50 U	50 U	-	50 U	-	-	-	-
PCBs			***PCBs***										
Aroclor-1016 (PCB-1016)	-	0.96	Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons			***Petroleum Hydrocarbons***										
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH9-13*	*BH10-13*	*BH11-13*	*BH12-13*	*BH13-13*	*BH14-13*	*BH15-13*	*BH16-13*	*BH16-13*	*BH16-13*	*BH17-13*
Sample ID:			*GW-38443-061113-GL-001*	*GW-38443-061113-SM-002*	*GW-38443-061113-GL-003*	*GW-38443-061113-SM-006*	*GW-38443-061213-SM-007*	*GW-38443-061113-GL-005*	*GW-38443-061213-GL-013*	*GW-38443-061213-GL-008*	*GW-38443-061213-GL-009*	*GW-38443-071013-JT-108*	*GW-38443-061213-SM-010*
Sample Date:			*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/12/2013*	*6/11/2013*	*6/12/2013*	*6/12/2013*	*6/12/2013*	*7/10/2013*	*6/12/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*	*21.5-25.5 ft BGS*
											Duplicate		
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	0.26 J	0.53 J	0.32 J	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 UJ[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	0.27 J	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	0.20 J	1.0 U	1.0 U	2.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.47 J	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	4.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	2.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.7 J	10 U
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ	10 U
Acetone	-	12000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U
Benzene	5	0.39	0.17 J	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ	1.0 U
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 UJ[b]	1.0 U[b]
Chlorobenzene	100	72	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	0.37 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	15	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U[b]	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Naphthalene	-	0.14	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Toluene	1000	860	0.27 J	0.18 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.72 J	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Trichloroethene	5	0.44	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.27 J	1.0 U[b]	0.93 J[b]	0.96 J[b]	78[ab]	0.56 J[b]
Trichlorofluoromethane (CFC-11)	-	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ	1.0 U

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ	1.0 U
Vinyl chloride	2	0.015	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 U[b]	1.0 U[b]
Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	16000	-	-	200 U	-	-	-	-	-	-	-	-
Antimony (dissolved)	6	6	-	-	10 U[ab]	-	-	-	-	-	-	-	-
Arsenic (dissolved)	10	0.045	-	-	10 U[b]	-	-	-	-	-	-	-	-
Barium (dissolved)	2000	2900	-	-	270	-	-	-	-	-	-	-	-
Beryllium (dissolved)	4	16	-	-	5.0 U[a]	-	-	-	-	-	-	-	-
Cadmium (dissolved)	5	6.9	-	-	2.0 U	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	160000	-	-	-	-	-	-	-	-
Chromium (dissolved)	100	-	-	-	5.0 U	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	4.7	-	-	7.0 U[b]	-	-	-	-	-	-	-	-
Copper (dissolved)	1300	620	-	-	25 U	-	-	-	-	-	-	-	-
Iron (dissolved)	-	11000	-	-	510	-	-	-	-	-	-	-	-
Lead (dissolved)	15	-	-	-	3.0 U	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	51000	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	320	-	-	140	-	-	-	-	-	-	-	-
Mercury (dissolved)	2	0.63	-	-	0.20 U	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	300	-	-	13 J	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	11000 J	-	-	-	-	-	-	-	-
Selenium (dissolved)	50	78	-	-	5.1	-	-	-	-	-	-	-	-
Silver (dissolved)	-	71	-	-	5.0 U	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	220000	-	-	-	-	-	-	-	-
Thallium (dissolved)	2	0.16	-	-	10 U[ab]	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	78	-	-	7.0 U	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	4700	-	-	50 U	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	-	-	-

EPA-R5-2016-005983 Outlook0000008

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

CRA 038443 (28)

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH17-13*	*BH18-13*	*BH18-13*	*BH18-13*	*BH19-13*	*BH20-13*	*BH20-13*	*BH21-13*	*BH22-13*	*BH23-13*	*BH24-13*
Sample ID:			*GW-38443-071013-JT-107*	*GW-38443-061213-SM-012*	*GW-38443-070913-JT-105*	*GW-38443-070913-JT-106*	*GW-38443-061313-SM-015*	*WG-38443-061713-SM-023*	*WG-38443-061713-SM-024*	*WG-38443-061713-SM-025*	*WG-38443-061713-SM-026*	*WG-38443-061813-SM-031*	*WG-38443-061813-SM-027*
Sample Date:			*7/10/2013*	*6/12/2013*	*7/9/2013*	*7/9/2013*	*6/13/2013*	*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*29.5-33.5 ft BGS*	*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*19.25-23.25 ft BGS*	*20.5-24.5 ft BGS*	*20.5-24.5 ft BGS*	*19.25-23.25 ft BGS*	*21.5-25.5 ft BGS*	*20.5-24.5 ft BGS*	*20.6-24.6 ft BGS*
						Duplicate			*Duplicate*				
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	2.9 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	2.9 U[b]	0.22 J	0.25 J	1.0 U	0.23 J	1.0 U	1.0 U	0.45 J	0.24 J	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.1 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	5.7 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	2.9 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	29 U	10 U	10 U	2.7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	29 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	29 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	29 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5	0.39	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromodichloromethane	80	0.12	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	2.9 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	2.9 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	-	720	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	2.9 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	-	21000	2.9 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	27	3.1	4.4	4.3	3.5	1.0	1.0	0.52 J	1.1	0.37 J	0.33 J
cis-1,3-Dichloropropene	-	-	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	2.9 U[b]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	29 UJ	10 U	10 U	10 U	0.38 J	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	2.9 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	-	0.14	2.9 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 UJ[b]	1.0 U[b]	1.0 UJ[b]
Styrene	100	1100	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.13 J	0.19 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	100	86	1.9 J	1.0 U	0.26 J	0.20 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.44	94[ab]	3.4[b]	8.8[ab]	8.2[ab]	1.8[b]	1.8[b]	1.8[b]	1.0 U[b]	0.72 J[b]	0.79 J[b]	1.7[b]
Trichlorofluoromethane (CFC-11)	-	1100	2.9 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	2.9 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	2.9 U[ab]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Xylenes (total)	10000	190	5.7 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	16000	-	200 U	200 U	200 U	-	-	-	-	200 U	-	-
Antimony (dissolved)	6	6	-	10 U[ab]	10 U[ab]	10 U[ab]	-	-	-	-	10 U[ab]	-	-
Arsenic (dissolved)	10	0.045	-	10 U[b]	10 U[b]	10 U[b]	-	-	-	-	10 U[b]	-	-
Barium (dissolved)	2000	2900	-	140 J	160 J	150 J	-	-	-	-	110 J	-	-
Beryllium (dissolved)	4	16	-	5.0 U[a]	5.0 U[a]	5.0 U[a]	-	-	-	-	5.0 U[a]	-	-
Cadmium (dissolved)	5	6.9	-	2.0 U	2.0 U	2.0 U	-	-	-	-	2.0 U	-	-
Calcium (dissolved)	-	-	-	150000	150000	130000	-	-	-	-	140000	-	-
Chromium (dissolved)	100	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-	-
Cobalt (dissolved)	-	4.7	-	3.2 J	1.8 J	2.0 J	-	-	-	-	7.0 U[b]	-	-
Copper (dissolved)	1300	620	-	25 U	25 U	25 U	-	-	-	-	25 U	-	-
Iron (dissolved)	-	11000	-	2500	740	760	-	-	-	-	150	-	-
Lead (dissolved)	15	-	-	3.0 U	1.9 J	3.0 U	-	-	-	-	3.0 U	-	-
Magnesium (dissolved)	-	-	-	58000	58000	53000	-	-	-	-	53000	-	-
Manganese (dissolved)	-	320	-	430[b]	260	250	-	-	-	-	440[b]	-	-
Mercury (dissolved)	2	0.63	-	0.20 U	0.20 U	0.20 U	-	-	-	-	0.20 U	-	-
Nickel (dissolved)	-	300	-	11 J	7.0 J	7.9 J	-	-	-	-	7.4 J	-	-
Potassium (dissolved)	-	-	-	11000	10000	9400	-	-	-	-	9400	-	-
Selenium (dissolved)	50	78	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-	-
Silver (dissolved)	-	71	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-	-
Sodium (dissolved)	-	-	-	86000	100000	93000	-	-	-	-	91000	-	-
Thallium (dissolved)	2	0.16	-	10 U[ab]	10 U[ab]	10 U[ab]	-	-	-	-	5.5 J[ab]	-	-
Vanadium (dissolved)	-	78	-	7.0 U	7.0 U	7.0 U	-	-	-	-	7.0 U	-	-
Zinc (dissolved)	-	4700	-	50 U	50 U	50 U	-	-	-	-	50 U	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	-	-	-

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH24-13*	*BH25-13*	*BH30-13*	*BH31-13*	*BH32-13*	*BH32-13*	*BH33-13*	*BH34-13*	*BH35-13*	*BH36-13*	*BH37-13*
Sample ID:			*WG-38443-061813-SM-028*	*WG-38443-061813-SM-029*	*GW-38443-070313-SK-097*	*GW-38443-070113-SK-086*	*GW-38443-070213-SK-093*	*GW-38443-070213-SK-094*	*GW-038443-062713-SM-078*	*GW-038443-062713-SM-081*	*GW-38443-062813-SM-083*	*GW-38443-070213-SK-087*	*GW-38443-070313-SK-095*
Sample Date:			*6/18/2013*	*6/18/2013*	*7/3/2013*	*7/1/2013*	*7/2/2013*	*7/2/2013*	*6/27/2013*	*6/27/2013*	*6/28/2013*	*7/2/2013*	*7/3/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*20.6-24.6 ft BGS*	*21.75-25.75 ft BGS*	*32.5-36.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*26-30 ft BGS*	*27.5-31.5 ft BGS*	*27.5-31.5 ft BGS*	*33-37 ft BGS*	*28-32 ft BGS*
			Duplicate					*Duplicate*					
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	1.0 U	0.67 J	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 UJ[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U[b]	1.0 U	1.0 U	1.0 U	0.44 J
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]	1.0 U[b]	1.4 UJ[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 UJ[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.9 UJ[ab]	4.0 U[ab]	2.0 U[ab]	2.0 U[ab]	10 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 UJ[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.4 U[ab]	2.0 U[ab]	1.0 U[ab]	1.0 U[ab]	5.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	0.21 J
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	2.0 J[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	1.0 U[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 UJ	10 UJ	14 U	20 U	10 U	10 U	50 U[b]	10 U	10 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	14 U	20 U	10 U	10 U	7.1 J	10 U	10 U	10 U	10 U
Benzene	5	0.39	1.0 U[b]	1.0 U[b]	0.19 J	0.31 J	1.0 U[b]	1.0 U[b]	80[ab]	0.49 J[b]	1.0 U[b]	1.0 U[b]	0.63 J[b]
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 UJ	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon disulfide	-	720	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	0.62 J	1.0 U	1.0 U	0.61 J
Chloroethane	-	21000	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	9.4	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	0.46 J	1.0 U	1.6	49[b]	0.88 J	0.94 J	3.8 J	1.7	1.0 U	1.6	4.7
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	0.12 J
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.4 U[b]	2.0 U[b]	1.0 U	1.0 U	100[b]	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	6.8	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	0.99 J	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Naphthalene	-	0.14	1.0 UJ[b]	1.0 UJ[b]	1.4 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]	5.1[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Styrene	100	1100	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	0.69 J	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	0.15 J	1.4 U	2.0 U	0.17 J	0.13 J	32	0.34 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.4 U	1.1 J	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.4 UJ	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Trichloroethene	5	0.44	2.0[b]	1.3[b]	39[ab]	57[ab]	1.0 U[b]	1.0 U[b]	5.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Trichlorofluoromethane (CFC-11)	-	1100	1.0 UJ	1.0 UJ	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	1.0 U[b]	1.0 U[b]	1.4 U[b]	9.4[ab]	1.0 U[b]	1.0 U[b]	1.1 J[b]	11[ab]	2.2[ab]	2.3[ab]	7.7[ab]
Xylenes (total)	10000	190	2.0 U	2.0 U	2.9 U	4.0 U	2.0 U	2.0 U	190	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	16000	-	200 U	200 U	-	-	-	-	-	-	200 U	-
Antimony (dissolved)	6	6	-	10 U[ab]	10 U[ab]	-	-	-	-	-	-	10 U[ab]	-
Arsenic (dissolved)	10	0.045	-	10 U[b]	10 U[b]	-	-	-	-	-	-	10 U[b]	-
Barium (dissolved)	2000	2900	-	220	270	-	-	-	-	-	-	930	-
Beryllium (dissolved)	4	16	-	5.0 U[a]	5.0 U[a]	-	-	-	-	-	-	5.0 U[a]	-
Cadmium (dissolved)	5	6.9	-	2.0 U	2.0 U	-	-	-	-	-	-	2.0 U	-
Calcium (dissolved)	-	-	-	150000	160000	-	-	-	-	-	-	110000	-
Chromium (dissolved)	100	-	-	5.0 U	5.0 U	-	-	-	-	-	-	5.0 U	-
Cobalt (dissolved)	-	4.7	-	7.0 U[b]	7.0 U[b]	-	-	-	-	-	-	7.0 U[b]	-
Copper (dissolved)	1300	620	-	25 U	25 U	-	-	-	-	-	-	25 U	-
Iron (dissolved)	-	11000	-	610	1200	-	-	-	-	-	-	2100	-
Lead (dissolved)	15	-	-	3.0 U	3.0 U	-	-	-	-	-	-	3.0 U	-
Magnesium (dissolved)	-	-	-	46000	43000	-	-	-	-	-	-	51000	-
Manganese (dissolved)	-	320	-	280	150	-	-	-	-	-	-	1200[b]	-
Mercury (dissolved)	2	0.63	-	0.20 U	0.20 U	-	-	-	-	-	-	0.20 U	-
Nickel (dissolved)	-	300	-	5.8 J	40 U	-	-	-	-	-	-	14 J	-
Potassium (dissolved)	-	-	-	8900	7200	-	-	-	-	-	-	16000	-
Selenium (dissolved)	50	78	-	5.0 U	11	-	-	-	-	-	-	5.0 U	-
Silver (dissolved)	-	71	-	5.0 U	5.0 U	-	-	-	-	-	-	5.0 U	-
Sodium (dissolved)	-	-	-	48000	35000	-	-	-	-	-	-	65000	-
Thallium (dissolved)	2	0.16	-	5.1 J[ab]	10 U[ab]	-	-	-	-	-	-	6.7 J[ab]	-
Vanadium (dissolved)	-	78	-	7.0 U	7.0 U	-	-	-	-	-	-	7.0 U	-
Zinc (dissolved)	-	4700	-	50 U	50 U	-	-	-	-	-	-	51 U	-
PCBs													
Aroclor-1016 (PCB-1016)	-	0.96	-	-	0.48 U	-	-	-	-	-	-	0.48 U	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	0.48 U[b]	-	-	-	-	-	-	0.48 U[b]	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	0.48 U[b]	-	-	-	-	-	-	0.48 U[b]	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	0.48 U[b]	-	-	-	-	-	-	0.48 U[b]	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	0.48 U[b]	-	-	-	-	-	-	0.48 U[b]	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	0.48 U[b]	-	-	-	-	-	-	0.48 U[b]	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	0.48 U[b]	-	-	-	-	-	-	0.48 U[b]	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	-	-	-

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH38-13*	*BH39-13*	*BH40-13*	*BH42-13*	*BH43-13*	*BH44-13*	*BH46-13*	*BH46B-13*	*BH48B-13*	*BH49-13*	*BH51-13*
Sample ID:			*GW-38443-062813-SM-082*	*GW-38443-070113-SK-085*	*GW-38443-070213-SK-089*	*GW-38443-070813-JT-098*	*GW-38443-070213-SK-090*	*GW-38443-070213-SK-091*	*GW-38443-070213-SK-092*	*GW-38443-070313-SK-096*	*GW-38443-070813-JT-099*	*WG-38443-061813-SM-032*	*WG-38443-062113-SM-058*
Sample Date:			*6/28/2013*	*7/1/2013*	*7/2/2013*	*7/8/2013*	*7/2/2013*	*7/2/2013*	*7/2/2013*	*7/3/2013*	*7/8/2013*	*6/18/2013*	*6/21/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*28.5-32.5 ft BGS*	*31-35 ft BGS*	*31.5-35.5 ft BGS*	*33-37 ft BGS*	*28.5-32.5 ft BGS*	*38.5-42.5 ft BGS*	*31-35 ft BGS*	*29-33 ft BGS*	*30-34 ft BGS*	*21.5-25.5 ft BGS*	*22.5-26.5 ft BGS*
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	0.48 J	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 UJ[b]	1.0 U[b]	1.0 U[b]	11 U[b]	1.0 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	11 U[ab]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	0.99 J	0.37 J	1.0 U	1.0 U	4.0[b]	0.53 J	11 U[b]	1.0 U	0.18 J	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[a]	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	11 U[b]	1.0 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	22 U[ab]	2.0 UJ[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	11 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	0.45 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 J	1.0 U	0.92 J	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	11 U[ab]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	11 U[ab]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	11 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	110 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 UJ	10 U	10 U	10 UJ	10 U	10 U	110 U[b]	10 U	10 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 UJ	10 U	10 U	110 U	10 U	10 UJ	10 U	0.34 J
Acetone	-	12000	10 U	10 U	10 U	10 U	10 U	10 U	110 U	10 U	10 U	10 U	10 U
Benzene	5	0.39	0.48 J[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.15 J	1.0 U[b]	100[ab]	1.0 U[b]	0.61 J[b]	1.0 U[b]	1.0 U[b]
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	11 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[b]	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U[b]	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 UJ[b]	1.0 U[b]	1.0 U[b]	11 U[ab]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	0.59 J	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	6.3 J	0.41 J	1.7	1.0 U	1.0 U
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	11 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	2.6	6.6	2.0	1.0 U	27	1.7	2.8 J	1.0 U	2.5	0.33 J	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	0.22 J	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	11 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	0.46 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	9.9 J[b]	1.0 U	1.0 U	1.0 U	0.84 J
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 J	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	10 UJ	10 U	10 U	110 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[ab]	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Naphthalene	-	0.14	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.4[b]	1.0 U[b]	1.0 U[b]	11 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.32 J[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[ab]	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	11	1.0 U	1.0 U	0.18 J	1.0 U	0.13 J	270	1.0 U	0.26 J	1.0 U	0.32 J
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	0.45 J	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.44	1.0 U[b]	1.0[b]	0.56 J[b]	1.0 U[b]	6.1[ab]	1.9[b]	11 U[ab]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Trichlorofluoromethane (CFC-11)	-	1100	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	1.9[b]	3.6[ab]	0.25 J[b]	3.5[ab]	6.2[ab]	0.28 J[b]	11 U[ab]	1.0 U[b]	2.9[ab]	1.0 U[b]	1.0 U[b]
Xylenes (total)	10000	190	2.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	36	2.0 U	2.0 U	2.0 U	6.3
Metals													
Aluminum (dissolved)	-	16000	-	-	200 U	-	-	-	200 U	200 U	200 U	200 U	-
Antimony (dissolved)	6	6	-	-	10 U[ab]	-	-	-	10 U[ab]	10 U[ab]	10 U[ab]	10 U[ab]	-
Arsenic (dissolved)	10	0.045	-	-	10 U[b]	-	-	-	5.1 J[b]	10 U[b]	11[ab]	6.0 J[b]	-
Barium (dissolved)	2000	2900	-	-	630	-	-	-	830	570	660	1700	-
Beryllium (dissolved)	4	16	-	-	5.0 U[a]	-	-	-	5.0 U[a]	5.0 U[a]	5.0 U[a]	5.0 U[a]	-
Cadmium (dissolved)	5	6.9	-	-	2.0 U	-	-	-	2.0 U	2.0 U	2.0 U	2.0 U	-
Calcium (dissolved)	-	-	-	-	130000	-	-	-	160000	150000	150000	170000	-
Chromium (dissolved)	100	-	-	-	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	-
Cobalt (dissolved)	-	4.7	-	-	2.7 J	-	-	-	7.0 U[b]	1.8 J	7.0 U[b]	7.0 U[b]	-
Copper (dissolved)	1300	620	-	-	25 U	-	-	-	25 U	8.3 J	25 U	25 U	-
Iron (dissolved)	-	11000	-	-	2600	-	-	-	24000[b]	2400	12000[b]	8400	-
Lead (dissolved)	15	-	-	-	3.0 U	-	-	-	3.0 U	3.0 U	3.0 U	3.0 U	-
Magnesium (dissolved)	-	-	-	-	70000	-	-	-	48000	49000	43000	57000	-
Manganese (dissolved)	-	320	-	-	720[b]	-	-	-	280	1000[b]	230	440[b]	-
Mercury (dissolved)	2	0.63	-	-	0.20 U	-	-	-	0.20 U	0.20 U	0.20 U	0.20 U	-
Nickel (dissolved)	-	300	-	-	7.3 J	-	-	-	40 U	40 U	4.2 J	4.4 J	-
Potassium (dissolved)	-	-	-	-	20000 J	-	-	-	17000 J	11000	8500	14000	-
Selenium (dissolved)	50	78	-	-	5.0 U	-	-	-	5.0 U	8.0	5.0 U	5.0 U	-
Silver (dissolved)	-	71	-	-	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	-
Sodium (dissolved)	-	-	-	-	73000	-	-	-	100000	100000	83000	120000	-
Thallium (dissolved)	2	0.16	-	-	5.0 J[ab]	-	-	-	4.9 J[ab]	10 U[ab]	10 U[ab]	5.9 J[ab]	-
Vanadium (dissolved)	-	78	-	-	7.0 U	-	-	-	7.0 U	7.0 U	7.0 U	7.0 U	-
Zinc (dissolved)	-	4700	-	-	50 U	-	-	-	50 U	50 U	51	50 U	-
PCBs													
Aroclor-1016 (PCB-1016)	-	0.96	-	-	0.48 U	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	0.48 U[b]	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	0.48 U[b]	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	0.48 U[b]	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	0.48 U[b]	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	0.48 U[b]	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	0.48 U[b]	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	480 U[b]	540 UJ[b]	530 U[b]
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	480 U[b]	540 UJ[b]	530 U[b]

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH52-13*	*BH53-13*	*BH54-13*	*BH55-13*	*BH56-13*	*BH57-13*	*BH57-13*	*BH58-13*	*BH59-13*	*BH60-13*	*BH61-13*
Sample ID:			*WG-38443-061913-SM-041*	*WG-38443-061813-SM-034*	*WG-38443-061813-SM-033*	*WG-38443-061813-SM-035*	*WG-38443-061913-SM-036*	*WG-38443-061913-SM-037*	*WG-38443-061913-SM-038*	*WG-38443-061913-SM-044*	*WG-38443-061913-SM-040*	*WG-38443-061913-SM-045*	*WG-38443-061913-SM-046*
Sample Date:			*6/19/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*
Sample Depth:	*USEPA Regional Screening Levels [5]*		*24.8-28.8 ft BGS*	*22-26 ft BGS*	*21.5-25.5 ft BGS*	*25.5-29.5 ft BGS*	*24-28 ft BGS*	*24-28 ft BGS*	*24-28 ft BGS*	*24.5-28.5 ft BGS*	*23.5-27.5 ft BGS*	*23-27 ft BGS*	*24.2-28.2 ft BGS*
									Duplicate				
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	1.3 J	10 U	10 U	10 U	1.1 J	10 U	2.0 J	10 U	10 U	10 U	10 U
Benzene	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	5.6	0.52 J	0.17 J	2.5	0.96 J	4.1	4.1	0.29 J	0.68 J	0.81 J	0.73 J
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.68 J	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ
Naphthalene	-	0.14	1.0 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.34 J	0.14 J	1.0 U	1.0 U
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.44	0.40 J	2.0[b]	0.58 J[b]	2.1[b]	0.71 J[b]	0.95 J[b]	0.95 J[b]	1.0 U[b]	1.6[b]	1.3[b]	0.80 J[b]
Trichlorofluoromethane (CFC-11)	-	1100	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	0.73 J[b]	1.0 U[b]	1.0 U[b]	0.46 J[b]	1.0 U[b]	0.48 J[b]	0.40 J[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.7	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	-	-	-	-	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	15	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	71	-	-	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	0.49 UJ[b]	0.49 UJ[b]	0.52 UJ[b]	0.52 UJ[b]	0.49 UJ[b]	0.51 UJ[b]
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	0.49 UJ[b]	0.49 UJ[b]	0.52 UJ[b]	0.52 UJ[b]	0.49 UJ[b]	0.51 UJ[b]
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	0.49 UJ[b]	0.49 UJ[b]	0.52 UJ[b]	0.52 UJ[b]	0.49 UJ[b]	0.51 UJ[b]
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	0.49 UJ[b]	0.49 UJ[b]	0.52 UJ[b]	0.52 UJ[b]	0.49 UJ[b]	0.51 UJ[b]
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	0.49 UJ[b]	0.49 UJ[b]	0.52 UJ[b]	0.52 UJ[b]	0.49 UJ[b]	0.51 UJ[b]
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	0.49 UJ[b]	0.49 UJ[b]	0.52 UJ[b]	0.52 UJ[b]	0.49 UJ[b]	0.51 UJ[b]
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	-	-	-

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH62-13*	*BH63-13*	*BH64-13*	*BH65-13*	*BH66-13*	*BH67-13*	*BH68-13*	*BH69-13*	*BH70-13*	*BH71-13*	*BH72-13*
Sample ID:			*WG-38443-061913-SM-043*	*WG-38443-062013-SM-052*	*WG-38443-061913-SM-042*	*WG-38443-062013-SM-053*	*GW-38443-062613-SM-074*	*WG-38443-062013-SM-055*	*WG-38443-062013-SM-047*	*WG-38443-062113-SM-059*	*WG-38443-062113-SM-057*	*WG-38443-062013-SM-054*	*WG-38443-062013-SM-056*
Sample Date:			*6/19/2013*	*6/20/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/20/2013*	*6/20/2013*	*6/21/2013*	*6/21/2013*	*6/20/2013*	*6/20/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*24.5-28.5 ft BGS*	*26-30 ft BGS*	*25-29 ft BGS*	*25-29 ft BGS*	*25-29 ft BGS*	*24-28 ft BGS*	*24.5-28.5 ft BGS*	*24-28 ft BGS*	*23.5-27.5 ft BGS*	*24.5-28.5 ft BGS*	*21.75-25.75 ft BGS*
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	1.0 U	1.0 U	0.53 J	0.55 J	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	3.3 U[ab]	4.0 U[ab]	2.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.7 U[ab]	2.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	0.35 J
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	0.31 J
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	2.5[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	3.0 J	10 U	10 U	10 U	10 U	10 U	10 U	17 U	1.3 J	10 U	10 U
2-Hexanone	-	34	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	17 UJ	20 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	2.2 J	10 U	10 U	10 U	10 U	10 U	10 U	17 U	20 U	10 U	10 U
Acetone	-	12000	2.4 J	10 U	10 U	10 U	10 U	10 U	10 U	17 UJ	20 UJ	10 U	10 U
Benzene	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	0.79 J[b]
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	1.0 U	1.0 U	1.0 U	1.0 U	0.20 J	0.48 J	0.88 J	0.85 J	2.0 U	0.35 J	7.2
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.48 J[b]	0.57 J[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	1.0 U	0.90 J	0.88 J	1.8	2.0	1.0	1.4	25	0.72 J	2.0	0.44 J
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	0.74 J
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	0.86 J	1.0 U	1.0 U	1.0 U	0.39 J	0.67 J	1.0 U	1.7 U[b]	2.0 U[b]	1.0 U	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	2.7
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	17 U	20 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	0.97 J
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 U	2.0 U	1.0 UJ	1.0 UJ
Naphthalene	-	0.14	0.43 J[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 U[b]	1.0 UJ[b]	1.0 UJ[b]	1.7 UJ[b]	2.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5	2.0 U	1.0 U	1.0 U
Toluene	1000	860	0.50 J	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	0.92 J	1.2 J	1.0 U	0.24 J
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37 J	2.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Trichloroethene	5	0.44	1.0 U[b]	0.70 J[b]	1.1[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	43[ab]	74[ab]	0.24 J	0.17 J
Trichlorofluoromethane (CFC-11)	-	1100	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ	1.0 UJ	1.0 UJ

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.29 J[b]	0.57 J[b]	1.0 U[b]	1.7 U[b]	2.0 U[b]	1.0 U[b]	1.0 U[b]
Xylenes (total)	10000	190	7.3	2.0 U	2.0 U	2.0 U	0.64 J	0.30 J	2.0 U	3.3 U	4.0 U	2.0 U	0.53 J
Metals													
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	-	-	-	-	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	15	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	71	-	-	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	0.96	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U	0.50 U
Aroclor-1221 (PCB-1221)	-	0.004	0.51 UJ[b]	0.50 U[b]	0.49 UJ[b]	0.53 U[b]	0.52 U[b]	0.54 U[b]	0.48 U[b]	0.48 U[b]	0.49 U[b]	0.49 U[b]	0.50 U[b]
Aroclor-1232 (PCB-1232)	-	0.004	0.51 UJ[b]	0.50 U[b]	0.49 UJ[b]	0.53 U[b]	0.52 U[b]	0.54 U[b]	0.48 U[b]	0.48 U[b]	0.49 U[b]	0.49 U[b]	0.50 U[b]
Aroclor-1242 (PCB-1242)	-	0.034	0.51 UJ[b]	0.50 U[b]	0.49 UJ[b]	0.53 U[b]	0.52 U[b]	0.54 U[b]	0.48 U[b]	0.48 U[b]	0.49 U[b]	0.49 U[b]	0.50 U[b]
Aroclor-1248 (PCB-1248)	-	0.034	0.51 UJ[b]	0.50 U[b]	0.49 UJ[b]	0.53 U[b]	0.52 U[b]	0.54 U[b]	0.48 U[b]	0.48 U[b]	0.49 U[b]	0.49 U[b]	0.50 U[b]
Aroclor-1254 (PCB-1254)	-	0.034	0.51 UJ[b]	0.50 U[b]	0.49 UJ[b]	0.53 U[b]	0.52 U[b]	0.54 U[b]	0.48 U[b]	0.48 U[b]	0.49 U[b]	0.49 U[b]	0.50 U[b]
Aroclor-1260 (PCB-1260)	-	0.034	0.51 UJ[b]	0.50 U[b]	0.49 UJ[b]	0.53 U[b]	0.52 U[b]	0.54 U[b]	0.48 U[b]	0.48 U[b]	0.49 U[b]	0.49 U[b]	0.50 U[b]
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	-	-	-

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH73-13*	*BH74-13*	*BH74-13*	*BH75-13*	*BH76-13*	*BH77-13*	*BH78-13*	*BH79-13*	*BH80-13*	*BH81-13*	*BH81-13*
Sample ID:			*WG-38443-062013-SM-051*	*WG-38443-062013-SM-048*	*WG-38443-062013-SM-049*	*WG-38443-062513-SM-068*	*GW-38443-062613-SM-072*	*WG-38443-062513-SM-069*	*WG-38443-062513-SM-067*	*GW-38443-062613-SM-075*	*WG-38443-062513-SM-066*	*GW-038443-062713-SM-079*	*GW-038443-062713-SM-080*
Sample Date:			*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/27/2013*	*6/27/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*21.5-25.5 ft BGS*	*22-26 ft BGS*	*22-26 ft BGS*	*23-27 ft BGS*	*23.5-27.5 ft BGS*	*23-27 ft BGS*	*23-27 ft BGS*	*24-28 ft BGS*	*25.5-29.5 ft BGS*	*25-29 ft BGS*	*25-29 ft BGS*
					Duplicate								*Duplicate*
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.4 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.4 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	0.62 J	0.25 J	0.33 J	0.40 J	0.41 J
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 UJ[b]	1.0 U[b]	1.4 U[b]	1.0 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.9 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.4 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	0.13 J	0.56 J	1.0 U	0.15 J	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.4 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.4 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.28 J	1.0 U[b]	5.6[b]	0.20 J	0.50 J[b]	1.0[b]	0.27 J	0.26 J
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	1.0 J	10 U	10 U	14 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	10 U	2.4 J	10 U	14 UJ	10 U	10 U	10 UJ	10 U	10 U
Benzene	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.49 J[b]	0.89 J[b]	12[ab]	0.20 J	0.25 J	0.23 J	0.33 J	0.33 J
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.4 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.4 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.4 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 UJ[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	1.0 U	1.0 U	1.0 U	4.5	0.47 J	40	0.44 J	5.7	3.4	2.8	2.7
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	4.1	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.4 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	1.0 U	1.0 U	1.0 U	0.65 J	1.0 U	0.74 J	1.7	1.7	0.72 J	1.1	1.1
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	1.0 U	0.12 J	1.0 U	0.14 J
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.4 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 UJ[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	1.0 U	0.42 J	0.59 J	1.0 U	1.0 U	2.2[b]	0.27 J	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9	0.19 J	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.70 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	0.26 J	2.0	0.24 J	1.0 U	0.36 J	0.24 J	0.27 J	0.25 J
Methylene chloride	5	9.9	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	-	0.14	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 U[b]	9.8[b]	1.0 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	0.33 J	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	0.25 J	0.33 J	0.19 J	0.15 J	0.50 J	0.48 J	0.17 J	0.13 J	0.23 J	0.22 J
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U
Trichloroethene	5	0.44	2.6[b]	0.80 J[b]	0.40 J	1.0 U[b]	1.0 U[b]	1.4 U[b]	0.38 J	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.17 J
Trichlorofluoromethane (CFC-11)	-	1100	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.34 J[b]	1.0 U[b]	0.32 J[b]	0.41 J[b]	5.3[ab]	0.41 J[b]	0.42 J[b]	0.44 J[b]
Xylenes (total)	10000	190	2.0 U	2.2 J	4.1 J	2.0 U	0.35 J	5.7	0.85 J	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	16000	-	-	-	-	200 U	-	-	-	-	200 U	200 U
Antimony (dissolved)	6	6	-	-	-	-	10 U[ab]	-	-	-	-	10 U[ab]	10 U[ab]
Arsenic (dissolved)	10	0.045	-	-	-	-	10 U[b]	-	-	-	-	10 U[b]	10 U[b]
Barium (dissolved)	2000	2900	-	-	-	-	1900	-	-	-	-	760	740
Beryllium (dissolved)	4	16	-	-	-	-	5.0 U[a]	-	-	-	-	5.0 U[a]	5.0 U[a]
Cadmium (dissolved)	5	6.9	-	-	-	-	2.0 U	-	-	-	-	2.0 U	2.0 U
Calcium (dissolved)	-	-	-	-	-	-	140000	-	-	-	-	140000	140000
Chromium (dissolved)	100	-	-	-	-	-	3.7 J	-	-	-	-	5.0 U	5.0 U
Cobalt (dissolved)	-	4.7	-	-	-	-	7.0 U[b]	-	-	-	-	7.0 U[b]	7.0 U[b]
Copper (dissolved)	1300	620	-	-	-	-	25 U	-	-	-	-	25 U	25 U
Iron (dissolved)	-	11000	-	-	-	-	26000[b]	-	-	-	-	5600	5500
Lead (dissolved)	15	-	-	-	-	-	3.0 U	-	-	-	-	3.0 U	3.0 U
Magnesium (dissolved)	-	-	-	-	-	-	66000	-	-	-	-	56000	55000
Manganese (dissolved)	-	320	-	-	-	-	270	-	-	-	-	150	140
Mercury (dissolved)	2	0.63	-	-	-	-	0.20 U	-	-	-	-	0.20 U	0.20 U
Nickel (dissolved)	-	300	-	-	-	-	40 U	-	-	-	-	4.6 J	4.1 J
Potassium (dissolved)	-	-	-	-	-	-	24000	-	-	-	-	18000	18000
Selenium (dissolved)	50	78	-	-	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U
Silver (dissolved)	-	71	-	-	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U
Sodium (dissolved)	-	-	-	-	-	-	58000	-	-	-	-	88000	85000
Thallium (dissolved)	2	0.16	-	-	-	-	10 U[ab]	-	-	-	-	10 U[ab]	10 U[ab]
Vanadium (dissolved)	-	78	-	-	-	-	7.0 U	-	-	-	-	7.0 U	7.0 U
Zinc (dissolved)	-	4700	-	-	-	-	50 U	-	-	-	-	50 U	50 U
PCBs													
Aroclor-1016 (PCB-1016)	-	0.96	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	0.49 U[b]	0.48 U[b]	0.54 U[b]	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	0.49 U[b]	0.48 U[b]	0.54 U[b]	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	0.49 U[b]	0.48 U[b]	0.54 U[b]	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	0.49 U[b]	0.48 U[b]	0.54 U[b]	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	0.49 U[b]	0.48 U[b]	0.54 U[b]	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	0.49 U[b]	0.48 U[b]	0.54 U[b]	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	-	-	-

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH82-13*	*BH83-13*	*BH83-13*	*BH84-13*	*BH85-13*	*BH85-13*	*BH86-13*	*BH87-13*	*BH88-13*	*BH89-13*	*BH90-13*
Sample ID:			*WG-38443-062513-SM-064*	*WG-38443-062513-SM-063*	*WG-38443-062513-SM-065*	*GW-38443-062613-SM-076*	*WG-38443-062513-SM-070*	*WG-38443-062513-SM-071*	*WG-38443-062413-SM-061*	*GW-38443-062613-SM-077*	*WG-38443-062413-SM-060*	*WG-38443-062413-SM-062*	*GW-38443-070913-JT-101*
Sample Date:			*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/24/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*7/9/2013*
Sample Depth:	*USEPA Regional Screening Levels [5]*		*22-26 ft BGS*	*23.2-27.2 ft BGS*	*23.2-27.2 ft BGS*	*22-26 ft BGS*	*23.5-27.5 ft BGS*	*23.5-27.5 ft BGS*	*25.5-29.5 ft BGS*	*23-27 ft BGS*	*23-27 ft BGS*	*20.8-24.8 ft BGS*	*29.5-33.5 ft BGS*
					Duplicate			*Duplicate*					
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.2 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.2 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	0.47 J	1.0 U	1.0 U	1.7	0.35 J	0.35 J	2.2 U	0.23 J	1.0 U	0.62 J	1.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	0.39 J	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 U[b]	1.0 UJ[b]	1.0 UJ[b]	2.2 U[b]	1.0 U[b]	1.2 J[b]	1.0 UJ[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	4.4 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	2.2 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.2 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.62 J[b]	0.54 J[b]	2.2 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	0.44 J	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	0.43 J[b]	0.42 J	1.0 U[b]	0.48 J[b]	1.0 U[b]	2.2 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U	1.0 J
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U	10 UJ
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U	10 UJ
Acetone	-	12000	10 U	3.6 J	2.3 J	1.9 J	10 U	10 U	22 UJ	10 U	2.6 J	10 U	10 U
Benzene	5	0.39	1.0 U[b]	0.31 J	0.30 J	0.37 J	1.0 U[b]	1.0 U[b]	0.30 J	0.29 J	0.67 J[b]	0.21 J	1.0 U[b]
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.2 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	2.2 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ
Carbon disulfide	-	720	0.17 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	0.24 J	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.2 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	0.21 J	8.6	8.8	3.5	1.2	1.0 U	7.2	1.0 U	2.9	1.4	1.0 U
Chloroethane	-	21000	0.61 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	2.6	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.2 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	1.0 U	2.1	2.0	2.6	1.0 U	1.0 U	9.4	1.0 U	0.33 J	17	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	2.2 UJ[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	2.2 U	1.0 U	0.36 J	1.0 UJ	1.0 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U[b]	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	0.23 J	0.56 J	0.56 J	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Naphthalene	-	0.14	1.0 UJ[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 U[b]	1.3 J[b]	0.24 J[b]	2.2 U[b]	1.0 U[b]	1.0 UJ[b]	1.0 UJ[b]	1.0 U[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	0.13 J	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	0.21 J	0.23 J	0.15 J	1.0 U	1.0 U	2.2 U	1.0 U	0.49 J	0.18 J	0.16 J
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	2.2 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Trichloroethene	5	0.44	1.0 U[b]	1.0 U[b]	1.0 U[b]	0.54 J[b]	1.0 U[b]	1.0 U[b]	2.2 U[b]	1.0 U[b]	1.0 U[b]	11[ab]	1.0 U[b]
Trichlorofluoromethane (CFC-11)	-	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 UJ

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	1.9[b]	2.1[ab]	2.2[ab]	0.31 J[b]	1.0 U[b]	1.0 U[b]	54[ab]	1.0 U[b]	2.5[ab]	7.0[ab]	1.0 U[b]
Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.4 U	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	16000	-	-	-	-	200 U	200 U	-	-	-	200 U	-
Antimony (dissolved)	6	6	-	-	-	-	10 U[ab]	10 U[ab]	-	-	-	10 U[ab]	-
Arsenic (dissolved)	10	0.045	-	-	-	-	21[ab]	20[ab]	-	-	-	9.4 J[b]	-
Barium (dissolved)	2000	2900	-	-	-	-	800	700	-	-	-	240	-
Beryllium (dissolved)	4	16	-	-	-	-	5.0 U[a]	5.0 U[a]	-	-	-	5.0 U[a]	-
Cadmium (dissolved)	5	6.9	-	-	-	-	2.0 U	2.0 U	-	-	-	2.0 U	-
Calcium (dissolved)	-	-	-	-	-	-	82000	81000	-	-	-	130000	-
Chromium (dissolved)	100	-	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Cobalt (dissolved)	-	4.7	-	-	-	-	7.0 U[b]	7.0 U[b]	-	-	-	4.1 J	-
Copper (dissolved)	1300	620	-	-	-	-	25 U	25 U	-	-	-	25 U	-
Iron (dissolved)	-	11000	-	-	-	-	1500	1500	-	-	-	3100	-
Lead (dissolved)	15	-	-	-	-	-	3.0 U	3.0 U	-	-	-	3.0 U	-
Magnesium (dissolved)	-	-	-	-	-	-	51000	50000	-	-	-	57000	-
Manganese (dissolved)	-	320	-	-	-	-	100	100	-	-	-	480[b]	-
Mercury (dissolved)	2	0.63	-	-	-	-	0.20 U	0.20 U	-	-	-	0.20 U	-
Nickel (dissolved)	-	300	-	-	-	-	40 U	40 U	-	-	-	9.1 J	-
Potassium (dissolved)	-	-	-	-	-	-	23000	23000	-	-	-	21000	-
Selenium (dissolved)	50	78	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Silver (dissolved)	-	71	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Sodium (dissolved)	-	-	-	-	-	-	78000	77000	-	-	-	86000	-
Thallium (dissolved)	2	0.16	-	-	-	-	10 U[ab]	10 U[ab]	-	-	-	10 U[ab]	-
Vanadium (dissolved)	-	78	-	-	-	-	7.0 U	7.0 U	-	-	-	7.0 U	-
Zinc (dissolved)	-	4700	-	-	-	-	50 U	50 U	-	-	-	50 U	-
PCBs													
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	-	-	-

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH91-13*	*BH92-13*	*BH93-13*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Rinse Blank*	*Rinse Blank*
Sample ID:			*GW-38443-062813-SM-084*	*GW-38443-070913-JT-102*	*GW-38443-070913-JT-104*	*EB-038443-061413-SM-018*	*EB-38443-061813-SM-030*	*EB-38443-061913-SM-039*	*EB-38443-062013-SM-050*	*GW-38443-062613-SM-073*	*EB-38443-062813-SM-083*	*RB-38443-061113-GL-004*	*RB-38443-070213-SK-088*
Sample Date:			*6/28/2013*	*7/9/2013*	*7/9/2013*	*6/14/2013*	*6/18/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/28/2013*	*6/11/2013*	*7/2/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*27-31 ft BGS*	*21.8-25.8 ft BGS*	*20-24 ft BGS*	-	-	-	-	-	-	-	-
Parameter	*MCL*	*Tap Water*											
	a	*b*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	1.0 U	5.2[b]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	1.4 J	2.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	3.6 J	1.4 J	1.3 J	10 U	10 U	10 U	10 U	10 U	2.8 J	10 U
Benzene	5	0.39	1.0 U[b]	0.55 J[b]	0.62 J[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 J	1.0 U	1.0 U	0.30 J	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	0.48 J	5.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	-	21000	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	1.0 U	0.39 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Naphthalene	-	0.14	1.0 U[b]	4.9[b]	1.2[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	0.14 J	0.38 J	0.41 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.44	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Trichlorofluoromethane (CFC-11)	-	1100	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Xylenes (total)	10000	190	2.0 U	0.75 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	-	200 U	-	-	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	-	10 U[ab]	-	-	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	-	10 U[b]	-	-	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	-	4.6 J	-	-	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	-	5.0 U[a]	-	-	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	-	2.0 U	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	5000 U	-	-	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	-	3.1 J	-	-	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	-	7.0 U[b]	-	-	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	-	34	-	-	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	-	330	-	-	-
Lead (dissolved)	15	-	-	-	-	-	-	-	-	7.4	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	280 J	-	-	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	-	10 J	-	-	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	-	0.20 U	-	-	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	-	40 U	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	370 J	-	-	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	-	5.0 U	-	-	-
Silver (dissolved)	-	71	-	-	-	-	-	-	-	5.0 U	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	1100 J	-	-	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	-	10 U[ab]	-	-	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	-	7.0 U	-	-	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	-	38 J	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	-	-	-

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*Rinse Blank*	*Rinse Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:			*GW-38443-070813-JT-100*	*GW-38443-070913-JT-103*	*TRIP BLANK-061113-001*	*TRIP BLANK-061213-002*	*TRIPBLANK-061313-003*	*TRIP BLANK-061413-004*	*TB-38443-061913-SM*	*TB-38443-062113-SM*	*TB-38443-062513-SM*	*TB-38443-062613-SM*	*TB-38443-062813-SM*	*TB-38443-070113-SK*	*TB-38443-070313-SK*
Sample Date:			*7/8/2013*	*7/9/2013*	*6/11/2013*	*6/12/2013*	*6/13/2013*	*6/14/2013*	*6/19/2013*	*6/21/2013*	*6/25/2013*	*6/26/2013*	*6/28/2013*	*7/1/2013*	*7/3/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		-	-	-	-	-	-	-	-	-	-	-	-	-
Parameter	*MCL*	*Tap Water*													
	a	*b*													
Volatile Organic Compounds															
1,1,1-Trichloroethane	200	7500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,1-Dichloroethane	-	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7	260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	-	34	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	-	12000	10 U	10 U	1.1 J	10 U	1.2 J	10 U	10 U	10 U	10 U	10 U	10 U	2.3 J	1.4 J
Benzene	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromodichloromethane	80	0.12	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Bromoform	80	7.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	-	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chlorobenzene	100	72	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	-	21000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	70	28	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	-	13000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	80	0.15	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	700	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	-	390	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	16000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	5	9.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	-	0.14	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Styrene	100	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	9.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1000	860	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	100	86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.44	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Trichlorofluoromethane (CFC-11)	-	1100	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	0.015	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]	1.0 U[b]
Xylenes (total)	10000	190	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Metals															
Aluminum (dissolved)	-	16000	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	10	0.045	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium (dissolved)	2000	2900	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	4	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	5	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	1300	620	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	11000	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	320	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	2	0.63	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	50	78	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	71	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	2	0.16	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	78	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	4700	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs															
Aroclor-1016 (PCB-1016)	-	0.96	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	0.034	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	0.034	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	0.034	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	0.034	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons															
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***Trip Blank***
Sample ID:			***TRIPBLANK-JT-001***
Sample Date:			***7/9/2013***
Sample Depth:	***USEPA Regional Screening Levels [1]***		-
Parameter	***MCL***	***Tap Water***	
	a	***b***	
Volatile Organic Compounds			
1,1,1-Trichloroethane	200	7500	1.0 U
1,1,2,2-Tetrachloroethane	-	0.066	1.0 U[b]
1,1,2-Trichloroethane	5	0.24	1.0 U[b]
1,1-Dichloroethane	-	2.4	1.0 U
1,1-Dichloroethene	7	260	1.0 U
1,2,4-Trichlorobenzene	70	0.99	1.0 U[b]
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032	2.0 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065	1.0 U[ab]
1,2-Dichlorobenzene	600	280	1.0 U
1,2-Dichloroethane	5	0.15	1.0 U[b]
1,2-Dichloropropane	5	0.38	1.0 U[b]
1,3-Dichlorobenzene	-	-	1.0 U
1,4-Dichlorobenzene	75	0.42	1.0 U[b]
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900	10 U
2-Hexanone	-	34	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000	10 U
Acetone	-	12000	10 U
Benzene	5	0.39	1.0 U[b]
Bromodichloromethane	80	0.12	1.0 U[b]
Bromoform	80	7.9	1.0 U
Bromomethane (Methyl bromide)	-	7	1.0 U
Carbon disulfide	-	720	1.0 U
Carbon tetrachloride	5	0.39	1.0 U[b]
Chlorobenzene	100	72	1.0 U
Chloroethane	-	21000	1.0 U
Chloroform (Trichloromethane)	80	0.19	1.0 U[b]
Chloromethane (Methyl chloride)	-	190	1.0 U
cis-1,2-Dichloroethene	70	28	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U
Cyclohexane	-	13000	1.0 U
Dibromochloromethane	80	0.15	1.0 U[b]
Dichlorodifluoromethane (CFC-12)	-	190	1.0 U
Ethylbenzene	700	1.3	1.0 U
Isopropyl benzene	-	390	1.0 U
Methyl acetate	-	16000	10 U
Methyl cyclohexane	-	-	1.0 U
Methyl tert butyl ether (MTBE)	-	12	1.0 U
Methylene chloride	5	9.9	1.0 U
Naphthalene	-	0.14	1.0 U[b]
Styrene	100	1100	1.0 U
Tetrachloroethene	5	9.7	1.0 U
Toluene	1000	860	1.0 U
trans-1,2-Dichloroethene	100	86	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U
Trichloroethene	5	0.44	1.0 U[b]
Trichlorofluoromethane (CFC-11)	-	1100	1.0 U

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trifluorotrichloroethane (Freon 113)	-	53000	1.0 U
Vinyl chloride	2	0.015	1.0 U[a]
Xylenes (total)	10000	190	2.0 U
Metals			
Aluminum (dissolved)	-	16000	-
Antimony (dissolved)	6	6	-
Arsenic (dissolved)	10	0.045	-
Barium (dissolved)	2000	2900	-
Beryllium (dissolved)	4	16	-
Cadmium (dissolved)	5	6.9	-
Calcium (dissolved)	-	-	-
Chromium (dissolved)	100	-	-
Cobalt (dissolved)	-	4.7	-
Copper (dissolved)	1300	620	-
Iron (dissolved)	-	11000	-
Lead (dissolved)	15	-	-
Magnesium (dissolved)	-	-	-
Manganese (dissolved)	-	320	-
Mercury (dissolved)	2	0.63	-
Nickel (dissolved)	-	300	-
Potassium (dissolved)	-	-	-
Selenium (dissolved)	50	78	-
Silver (dissolved)	-	71	-
Sodium (dissolved)	-	-	-
Thallium (dissolved)	2	0.16	-
Vanadium (dissolved)	-	78	-
Zinc (dissolved)	-	4700	-
PCBs			
Aroclor-1016 (PCB-1016)	-	0.96	-
Aroclor-1221 (PCB-1221)	-	0.004	-
Aroclor-1232 (PCB-1232)	-	0.004	-
Aroclor-1242 (PCB-1242)	-	0.034	-
Aroclor-1248 (PCB-1248)	-	0.034	-
Aroclor-1254 (PCB-1254)	-	0.034	-
Aroclor-1260 (PCB-1260)	-	0.034	-
Petroleum Hydrocarbons			
Total Petroleum Hydrocarbons (C10-C20)	-	0.39	-
Total Petroleum Hydrocarbons (C20-C34)	-	0.39	-

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

	USEPA Regional Screening Levels [1]	
Parameter	***MCL***	***Tap Water***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	200	7500
1,1,2,2-Tetrachloroethane	-	0.066
1,1,2-Trichloroethane	5	0.24
1,1-Dichloroethane	-	2.4
1,1-Dichloroethene	7	260
1,2,4-Trichlorobenzene	70	0.99
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065
1,2-Dichlorobenzene	600	280
1,2-Dichloroethane	5	0.15
1,2-Dichloropropane	5	0.38
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	75	0.42
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900
2-Hexanone	-	34
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000
Acetone	-	12000
Benzene	5	0.39
Bromodichloromethane	80	0.12
Bromoform	80	7.9
Bromomethane (Methyl bromide)	-	7
Carbon disulfide	-	720
Carbon tetrachloride	5	0.39
Chlorobenzene	100	72
Chloroethane	-	21000
Chloroform (Trichloromethane)	80	0.19
Chloromethane (Methyl chloride)	-	190
cis-1,2-Dichloroethene	70	28
cis-1,3-Dichloropropene	-	-
Cyclohexane	-	13000
Dibromochloromethane	80	0.15
Dichlorodifluoromethane (CFC-12)	-	190
Ethylbenzene	700	1.3
Isopropyl benzene	-	390
Methyl acetate	-	16000
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	-	12
Methylene chloride	5	9.9
Naphthalene	-	0.14
Styrene	100	1100
Tetrachloroethene	5	9.7
Toluene	1000	860
trans-1,2-Dichloroethene	100	86
trans-1,3-Dichloropropene	-	-
Trichloroethene	5	0.44
Trichlorofluoromethane (CFC-11)	-	1100

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Trifluorotrichloroethane (Freon 113)	-	53000
Vinyl chloride	2	0.015
Xylenes (total)	10000	190
Metals		
Aluminum (dissolved)	-	16000
Antimony (dissolved)	6	6
Arsenic (dissolved)	10	0.045
Barium (dissolved)	2000	2900
Beryllium (dissolved)	4	16
Cadmium (dissolved)	5	6.9
Calcium (dissolved)	-	-
Chromium (dissolved)	100	-
Cobalt (dissolved)	-	4.7
Copper (dissolved)	1300	620
Iron (dissolved)	-	11000
Lead (dissolved)	15	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	320
Mercury (dissolved)	2	0.63
Nickel (dissolved)	-	300
Potassium (dissolved)	-	-
Selenium (dissolved)	50	78
Silver (dissolved)	-	71
Sodium (dissolved)	-	-
Thallium (dissolved)	2	0.16
Vanadium (dissolved)	-	78
Zinc (dissolved)	-	4700
PCBs		
Aroclor-1016 (PCB-1016)	-	0.96
Aroclor-1221 (PCB-1221)	-	0.004
Aroclor-1232 (PCB-1232)	-	0.004
Aroclor-1242 (PCB-1242)	-	0.034
Aroclor-1248 (PCB-1248)	-	0.034
Aroclor-1254 (PCB-1254)	-	0.034
Aroclor-1260 (PCB-1260)	-	0.034
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	0.39
Total Petroleum Hydrocarbons (C20-C34)	-	0.39

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

	USEPA Regional Screening Levels [1]	
Parameter	***MCL***	***Tap Water***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	200	7500
1,1,2,2-Tetrachloroethane	-	0.066
1,1,2-Trichloroethane	5	0.24
1,1-Dichloroethane	-	2.4
1,1-Dichloroethene	7	260
1,2,4-Trichlorobenzene	70	0.99
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065
1,2-Dichlorobenzene	600	280
1,2-Dichloroethane	5	0.15
1,2-Dichloropropane	5	0.38
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	75	0.42
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900
2-Hexanone	-	34
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000
Acetone	-	12000
Benzene	5	0.39
Bromodichloromethane	80	0.12
Bromoform	80	7.9
Bromomethane (Methyl bromide)	-	7
Carbon disulfide	-	720
Carbon tetrachloride	5	0.39
Chlorobenzene	100	72
Chloroethane	-	21000
Chloroform (Trichloromethane)	80	0.19
Chloromethane (Methyl chloride)	-	190
cis-1,2-Dichloroethene	70	28
cis-1,3-Dichloropropene	-	-
Cyclohexane	-	13000
Dibromochloromethane	80	0.15
Dichlorodifluoromethane (CFC-12)	-	190
Ethylbenzene	700	1.3
Isopropyl benzene	-	390
Methyl acetate	-	16000
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	-	12
Methylene chloride	5	9.9
Naphthalene	-	0.14
Styrene	100	1100
Tetrachloroethene	5	9.7
Toluene	1000	860
trans-1,2-Dichloroethene	100	86
trans-1,3-Dichloropropene	-	-
Trichloroethene	5	0.44
Trichlorofluoromethane (CFC-11)	-	1100

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Trifluorotrichloroethane (Freon 113)	-	53000
Vinyl chloride	2	0.015
Xylenes (total)	10000	190
Metals		
Aluminum (dissolved)	-	16000
Antimony (dissolved)	6	6
Arsenic (dissolved)	10	0.045
Barium (dissolved)	2000	2900
Beryllium (dissolved)	4	16
Cadmium (dissolved)	5	6.9
Calcium (dissolved)	-	-
Chromium (dissolved)	100	-
Cobalt (dissolved)	-	4.7
Copper (dissolved)	1300	620
Iron (dissolved)	-	11000
Lead (dissolved)	15	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	320
Mercury (dissolved)	2	0.63
Nickel (dissolved)	-	300
Potassium (dissolved)	-	-
Selenium (dissolved)	50	78
Silver (dissolved)	-	71
Sodium (dissolved)	-	-
Thallium (dissolved)	2	0.16
Vanadium (dissolved)	-	78
Zinc (dissolved)	-	4700
PCBs		
Aroclor-1016 (PCB-1016)	-	0.96
Aroclor-1221 (PCB-1221)	-	0.004
Aroclor-1232 (PCB-1232)	-	0.004
Aroclor-1242 (PCB-1242)	-	0.034
Aroclor-1248 (PCB-1248)	-	0.034
Aroclor-1254 (PCB-1254)	-	0.034
Aroclor-1260 (PCB-1260)	-	0.034
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	0.39
Total Petroleum Hydrocarbons (C20-C34)	-	0.39

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

	USEPA Regional Screening Levels [1]	
Parameter	***MCL***	***Tap Water***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	200	7500
1,1,2,2-Tetrachloroethane	-	0.066
1,1,2-Trichloroethane	5	0.24
1,1-Dichloroethane	-	2.4
1,1-Dichloroethene	7	260
1,2,4-Trichlorobenzene	70	0.99
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065
1,2-Dichlorobenzene	600	280
1,2-Dichloroethane	5	0.15
1,2-Dichloropropane	5	0.38
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	75	0.42
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900
2-Hexanone	-	34
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000
Acetone	-	12000
Benzene	5	0.39
Bromodichloromethane	80	0.12
Bromoform	80	7.9
Bromomethane (Methyl bromide)	-	7
Carbon disulfide	-	720
Carbon tetrachloride	5	0.39
Chlorobenzene	100	72
Chloroethane	-	21000
Chloroform (Trichloromethane)	80	0.19
Chloromethane (Methyl chloride)	-	190
cis-1,2-Dichloroethene	70	28
cis-1,3-Dichloropropene	-	-
Cyclohexane	-	13000
Dibromochloromethane	80	0.15
Dichlorodifluoromethane (CFC-12)	-	190
Ethylbenzene	700	1.3
Isopropyl benzene	-	390
Methyl acetate	-	16000
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	-	12
Methylene chloride	5	9.9
Naphthalene	-	0.14
Styrene	100	1100
Tetrachloroethene	5	9.7
Toluene	1000	860
trans-1,2-Dichloroethene	100	86
trans-1,3-Dichloropropene	-	-
Trichloroethene	5	0.44
Trichlorofluoromethane (CFC-11)	-	1100

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Trifluorotrichloroethane (Freon 113)	-	53000
Vinyl chloride	2	0.015
Xylenes (total)	10000	190
Metals		
Aluminum (dissolved)	-	16000
Antimony (dissolved)	6	6
Arsenic (dissolved)	10	0.045
Barium (dissolved)	2000	2900
Beryllium (dissolved)	4	16
Cadmium (dissolved)	5	6.9
Calcium (dissolved)	-	-
Chromium (dissolved)	100	-
Cobalt (dissolved)	-	4.7
Copper (dissolved)	1300	620
Iron (dissolved)	-	11000
Lead (dissolved)	15	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	320
Mercury (dissolved)	2	0.63
Nickel (dissolved)	-	300
Potassium (dissolved)	-	-
Selenium (dissolved)	50	78
Silver (dissolved)	-	71
Sodium (dissolved)	-	-
Thallium (dissolved)	2	0.16
Vanadium (dissolved)	-	78
Zinc (dissolved)	-	4700
PCBs		
Aroclor-1016 (PCB-1016)	-	0.96
Aroclor-1221 (PCB-1221)	-	0.004
Aroclor-1232 (PCB-1232)	-	0.004
Aroclor-1242 (PCB-1242)	-	0.034
Aroclor-1248 (PCB-1248)	-	0.034
Aroclor-1254 (PCB-1254)	-	0.034
Aroclor-1260 (PCB-1260)	-	0.034
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	0.39
Total Petroleum Hydrocarbons (C20-C34)	-	0.39

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

	USEPA Regional Screening Levels [1]	
Parameter	***MCL***	***Tap Water***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	200	7500
1,1,2,2-Tetrachloroethane	-	0.066
1,1,2-Trichloroethane	5	0.24
1,1-Dichloroethane	-	2.4
1,1-Dichloroethene	7	260
1,2,4-Trichlorobenzene	70	0.99
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065
1,2-Dichlorobenzene	600	280
1,2-Dichloroethane	5	0.15
1,2-Dichloropropane	5	0.38
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	75	0.42
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900
2-Hexanone	-	34
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000
Acetone	-	12000
Benzene	5	0.39
Bromodichloromethane	80	0.12
Bromoform	80	7.9
Bromomethane (Methyl bromide)	-	7
Carbon disulfide	-	720
Carbon tetrachloride	5	0.39
Chlorobenzene	100	72
Chloroethane	-	21000
Chloroform (Trichloromethane)	80	0.19
Chloromethane (Methyl chloride)	-	190
cis-1,2-Dichloroethene	70	28
cis-1,3-Dichloropropene	-	-
Cyclohexane	-	13000
Dibromochloromethane	80	0.15
Dichlorodifluoromethane (CFC-12)	-	190
Ethylbenzene	700	1.3
Isopropyl benzene	-	390
Methyl acetate	-	16000
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	-	12
Methylene chloride	5	9.9
Naphthalene	-	0.14
Styrene	100	1100
Tetrachloroethene	5	9.7
Toluene	1000	860
trans-1,2-Dichloroethene	100	86
trans-1,3-Dichloropropene	-	-
Trichloroethene	5	0.44
Trichlorofluoromethane (CFC-11)	-	1100

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Trifluorotrichloroethane (Freon 113)	-	53000
Vinyl chloride	2	0.015
Xylenes (total)	10000	190
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Aluminum (dissolved)	-	16000
Antimony (dissolved)	6	6
Arsenic (dissolved)	10	0.045
Barium (dissolved)	2000	2900
Beryllium (dissolved)	4	16
Cadmium (dissolved)	5	6.9
Calcium (dissolved)	-	-
Chromium (dissolved)	100	-
Cobalt (dissolved)	-	4.7
Copper (dissolved)	1300	620
Iron (dissolved)	-	11000
Lead (dissolved)	15	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	320
Mercury (dissolved)	2	0.63
Nickel (dissolved)	-	300
Potassium (dissolved)	-	-
Selenium (dissolved)	50	78
Silver (dissolved)	-	71
Sodium (dissolved)	-	-
Thallium (dissolved)	2	0.16
Vanadium (dissolved)	-	78
Zinc (dissolved)	-	4700
PCBs		
Aroclor-1016 (PCB-1016)	-	0.96
Aroclor-1221 (PCB-1221)	-	0.004
Aroclor-1232 (PCB-1232)	-	0.004
Aroclor-1242 (PCB-1242)	-	0.034
Aroclor-1248 (PCB-1248)	-	0.034
Aroclor-1254 (PCB-1254)	-	0.034
Aroclor-1260 (PCB-1260)	-	0.034
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	0.39
Total Petroleum Hydrocarbons (C20-C34)	-	0.39

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:		
Sample ID:		
Sample Date:		
Sample Depth:		
USEPA Regional Screening Levels		
Parameter	***MCL***	***Tap Water***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	200	7500
1,1,2,2-Tetrachloroethane	-	0.066
1,1,2-Trichloroethane	5	0.24
1,1-Dichloroethane	-	2.4
1,1-Dichloroethene	7	260
1,2,4-Trichlorobenzene	70	0.99
1,2-Dibromo-3-chloropropane (DBCP)	0.2	0.00032
1,2-Dibromoethane (Ethylene dibromide)	0.05	0.0065
1,2-Dichlorobenzene	600	280
1,2-Dichloroethane	5	0.15
1,2-Dichloropropane	5	0.38
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	75	0.42
2-Butanone (Methyl ethyl ketone) (MEK)	-	4900
2-Hexanone	-	34
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	-	1000
Acetone	-	12000
Benzene	5	0.39
Bromodichloromethane	80	0.12
Bromoform	80	7.9
Bromomethane (Methyl bromide)	-	7
Carbon disulfide	-	720
Carbon tetrachloride	5	0.39
Chlorobenzene	100	72
Chloroethane	-	21000
Chloroform (Trichloromethane)	80	0.19
Chloromethane (Methyl chloride)	-	190
cis-1,2-Dichloroethene	70	28
cis-1,3-Dichloropropene	-	-
Cyclohexane	-	13000
Dibromochloromethane	80	0.15
Dichlorodifluoromethane (CFC-12)	-	190
Ethylbenzene	700	1.3
Isopropyl benzene	-	390
Methyl acetate	-	16000
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	-	12
Methylene chloride	5	9.9
Naphthalene	-	0.14
Styrene	100	1100
Tetrachloroethene	5	9.7
Toluene	1000	860
trans-1,2-Dichloroethene	100	86
trans-1,3-Dichloropropene	-	-
Trichloroethene	5	0.44
Trichlorofluoromethane (CFC-11)	-	1100

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Trifluorotrichloroethane (Freon 113)	-	53000
Vinyl chloride	2	0.015
Xylenes (total)	10000	190
Metals		
Aluminum (dissolved)	-	16000
Antimony (dissolved)	6	6
Arsenic (dissolved)	10	0.045
Barium (dissolved)	2000	2900
Beryllium (dissolved)	4	16
Cadmium (dissolved)	5	6.9
Calcium (dissolved)	-	-
Chromium (dissolved)	100	-
Cobalt (dissolved)	-	4.7
Copper (dissolved)	1300	620
Iron (dissolved)	-	11000
Lead (dissolved)	15	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	320
Mercury (dissolved)	2	0.63
Nickel (dissolved)	-	300
Potassium (dissolved)	-	-
Selenium (dissolved)	50	78
Silver (dissolved)	-	71
Sodium (dissolved)	-	-
Thallium (dissolved)	2	0.16
Vanadium (dissolved)	-	78
Zinc (dissolved)	-	4700
PCBs		
Aroclor-1016 (PCB-1016)	-	0.96
Aroclor-1221 (PCB-1221)	-	0.004
Aroclor-1232 (PCB-1232)	-	0.004
Aroclor-1242 (PCB-1242)	-	0.034
Aroclor-1248 (PCB-1248)	-	0.034
Aroclor-1254 (PCB-1254)	-	0.034
Aroclor-1260 (PCB-1260)	-	0.034
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	-	0.39
Total Petroleum Hydrocarbons (C20-C34)	-	0.39

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 61

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Notes:

All concentrations are expressed in units of micrograms per litre (µg/L) unless otherwise noted.

[1] - United States Environmental Protection Agency Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, November 2013

- - Not applicable.

J - The parameter was positively identified; however, the associated parameter concentration is estimated.

U - The parameter was not detected. The associated numerical value is the sample quantitation limit.

UJ - The parameter was not detected. The associated numerical value is the estimated sample quantitation limit.

Value - The value was not detected at a reporting detection limit greater than applicable criteria.

[ ] - Concentration was greater than applicable criteria.

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH1-13*	*BH2-13*	*BH3-13*	*BH4-13*	*BH5-13*	*BH6-13*	*BH7-13*	*BH8-13*	*BH9-13*	*BH10-13*	*BH11-13*
Sample ID:			*GW-38443-061313-SM-016*	*GW-038443-061413-SM-021*	*GW-038443-061413-SM-020*	*GW-038443-061413-SM-022*	*GW-038443-061413-SM-019*	*GW-38443-061313-GL-017*	*GW-38443-061213-GL-011*	*GW-38443-061313-GL-014*	*GW-38443-061113-GL-001*	*GW-38443-061113-SM-002*	*GW-38443-061113-GL-003*
Sample Date:			*6/13/2013*	*6/14/2013*	*6/14/2013*	*6/14/2013*	*6/14/2013*	*6/13/2013*	*6/12/2013*	*6/13/2013*	*6/11/2013*	*6/11/2013*	*6/11/2013*
Sample Depth:			*22.5-26.5 ft BGS*	*21.5-25.5 ft BGS*	*22.75-26.75 ft BGS*	*21.3-25.3 ft BGS*	*21-25 ft BGS*	*22-26 ft BGS*	*22-26 ft BGS*	*22.5-26.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	0.31 J
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	0.40 J	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	96958.56	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.3[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	0.45 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37 J	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	1.0 U	0.21 J	3.0	1.0 U	1.0 U	0.18 J	1.0 U	0.27 J	0.18 J	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.4[c]	0.71 J	0.43 J	1.9[c]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	Vinyl chloride	0.14	2.46	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Xylenes (total)	472.20	2077.68	Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	4.4	2.0 U	2.0 U	2.0 U	2.0 U
Metals			***Metals***										
Aluminum (dissolved)	-	-	Aluminum (dissolved)	-	-	200 U	200 U	-	200 U	-	-	-	-
Antimony (dissolved)	-	-	Antimony (dissolved)	-	-	10 U	10 U	-	10 U	-	-	-	-
Arsenic (dissolved)	-	-	Arsenic (dissolved)	-	-	10 U	10 U	-	10 U	-	-	-	-
Barium (dissolved)	-	-	Barium (dissolved)	-	-	120 J	130 J	-	430	-	-	-	-
Beryllium (dissolved)	-	-	Beryllium (dissolved)	-	-	5.0 U	5.0 U	-	5.0 U	-	-	-	-
Cadmium (dissolved)	-	-	Cadmium (dissolved)	-	-	2.0 U	2.0 U	-	2.0 U	-	-	-	-
Calcium (dissolved)	-	-	Calcium (dissolved)	-	-	140000	140000	-	160000	-	-	-	-
Chromium (dissolved)	-	-	Chromium (dissolved)	-	-	5.0 U	5.0 U	-	5.0 U	-	-	-	-
Cobalt (dissolved)	-	-	Cobalt (dissolved)	-	-	7.0 U	2.7 J	-	7.0 U	-	-	-	-
Copper (dissolved)	-	-	Copper (dissolved)	-	-	25 U	25 U	-	25 U	-	-	-	-
Iron (dissolved)	-	-	Iron (dissolved)	-	-	700	540	-	110	-	-	-	-
Lead (dissolved)	-	-	Lead (dissolved)	-	-	3.0 U	3.0 U	-	3.0 U	-	-	-	-
Magnesium (dissolved)	-	-	Magnesium (dissolved)	-	-	48000	44000	-	52000	-	-	-	-
Manganese (dissolved)	-	-	Manganese (dissolved)	-	-	120	310	-	370	-	-	-	-
Mercury (dissolved)	0.66	2.78	Mercury (dissolved)	0.66	2.78	0.20 U	0.20 U	-	0.20 U	-	-	-	-
Nickel (dissolved)	-	-	Nickel (dissolved)	-	-	6.5 J	8.6 J	-	15 J	-	-	-	-
Potassium (dissolved)	-	-	Potassium (dissolved)	-	-	9400	9000	-	10000	-	-	-	-
Selenium (dissolved)	-	-	Selenium (dissolved)	-	-	26	24	-	6.6	-	-	-	-
Silver (dissolved)	-	-	Silver (dissolved)	-	-	5.0 U	5.0 U	-	5.0 U	-	-	-	-
Sodium (dissolved)	-	-	Sodium (dissolved)	-	-	130000	130000	-	120000	-	-	-	-
Thallium (dissolved)	-	-	Thallium (dissolved)	-	-	10 U	10 U	-	10 U	-	-	-	-
Vanadium (dissolved)	-	-	Vanadium (dissolved)	-	-	7.0 U	7.0 U	-	7.0 U	-	-	-	-
Zinc (dissolved)	-	-	Zinc (dissolved)	-	-	50 U	50 U	-	50 U	-	-	-	-
PCBs			***PCBs***										
Aroclor-1016 (PCB-1016)	-	-	Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons			***Petroleum Hydrocarbons***										
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-

EPA-R5-2016-005983 Outlook0000008

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH9-13*	*BH10-13*	*BH11-13*	*BH12-13*	*BH13-13*	*BH14-13*	*BH15-13*	*BH16-13*	*BH16-13*	*BH16-13*	*BH17-13*
Sample ID:			*GW-38443-061113-GL-001*	*GW-38443-061113-SM-002*	*GW-38443-061113-GL-003*	*GW-38443-061113-SM-006*	*GW-38443-061213-SM-007*	*GW-38443-061113-GL-005*	*GW-38443-061213-GL-013*	*GW-38443-061213-GL-008*	*GW-38443-061213-GL-009*	*GW-38443-071013-JT-108*	*GW-38443-061213-SM-010*
Sample Date:			*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/11/2013*	*6/12/2013*	*6/11/2013*	*6/12/2013*	*6/12/2013*	*6/12/2013*	*7/10/2013*	*6/12/2013*
Sample Depth:			*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*	*21.5-25.5 ft BGS*
											Duplicate		
Parameter	*Protection of Residential IA* *c*	*Protection of Industrial IA* *d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	0.26 J	0.53 J	0.32 J	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	0.27 J	1.0 U	0.31 J	1.0 U	1.0 U	1.0 U	0.20 J	1.0 U	1.0 U	2.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.47 J	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	4.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	2.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U[c]	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.7 J	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U
Benzene	1.37	7.05	0.17 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U[c]	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	2.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	2.0 UJ[cd]	1.0 U[c]
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	2.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	0.37 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	15	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 UJ	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Toluene	19155.42	81042.17	0.27 J	0.18 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.72 J	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	0.93 J	0.96 J	78[d]	0.56 J

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 UJ	1.0 U
Vinyl chloride	0.14	2.46	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	2.0 U[c]	1.0 U[c]
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	-	-	-	200 U	-	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	-	-	10 U	-	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	-	-	10 U	-	-	-	-	-	-	-	-
Barium (dissolved)	-	-	-	-	270	-	-	-	-	-	-	-	-
Beryllium (dissolved)	-	-	-	-	5.0 U	-	-	-	-	-	-	-	-
Cadmium (dissolved)	-	-	-	-	2.0 U	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	160000	-	-	-	-	-	-	-	-
Chromium (dissolved)	-	-	-	-	5.0 U	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	-	-	-	7.0 U	-	-	-	-	-	-	-	-
Copper (dissolved)	-	-	-	-	25 U	-	-	-	-	-	-	-	-
Iron (dissolved)	-	-	-	-	510	-	-	-	-	-	-	-	-
Lead (dissolved)	-	-	-	-	3.0 U	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	51000	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	-	-	-	140	-	-	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	0.20 U	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	-	-	-	13 J	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	11000 J	-	-	-	-	-	-	-	-
Selenium (dissolved)	-	-	-	-	5.1	-	-	-	-	-	-	-	-
Silver (dissolved)	-	-	-	-	5.0 U	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	220000	-	-	-	-	-	-	-	-
Thallium (dissolved)	-	-	-	-	10 U	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	-	-	-	7.0 U	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	-	-	-	50 U	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH17-13*	*BH18-13*	*BH18-13*	*BH18-13*	*BH19-13*	*BH20-13*	*BH20-13*	*BH21-13*	*BH22-13*	*BH23-13*	*BH24-13*
Sample ID:			*GW-38443-071013-JT-107*	*GW-38443-061213-SM-012*	*GW-38443-070913-JT-105*	*GW-38443-070913-JT-106*	*GW-38443-061313-SM-015*	*WG-38443-061713-SM-023*	*WG-38443-061713-SM-024*	*WG-38443-061713-SM-025*	*WG-38443-061713-SM-026*	*WG-38443-061813-SM-031*	*WG-38443-061813-SM-027*
Sample Date:			*7/10/2013*	*6/12/2013*	*7/9/2013*	*7/9/2013*	*6/13/2013*	*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/17/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:			*29.5-33.5 ft BGS*	*21.5-25.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*19.25-23.25 ft BGS*	*20.5-24.5 ft BGS*	*20.5-24.5 ft BGS*	*19.25-23.25 ft BGS*	*21.5-25.5 ft BGS*	*20.5-24.5 ft BGS*	*20.6-24.6 ft BGS*
						Duplicate			*Duplicate*				
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	2.9 U[c]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	2.9 U	0.22 J	0.25 J	1.0 U	0.23 J	1.0 U	1.0 U	0.45 J	0.24 J	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.1 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	5.7 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	2.9 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	2.9 U[c]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	2.9 U[c]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	2.9 U[c]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	29 U	10 U	10 U	2.7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	29 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 UJ
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	29 UJ	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	29 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1.37	7.05	2.9 U[c]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	2.9 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	2.9 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	2.9 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	1239.99	5265.69	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	2.9 UJ[cd]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	96958.56	2.9 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	2.9 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	27	3.1	4.4	4.3	3.5	1.0	1.0	0.52 J	1.1	0.37 J	0.33 J
cis-1,3-Dichloropropene	-	-	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	2.9 U[c]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	29 UJ	10 U	10 U	10 U	0.38 J	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	2.9 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Styrene	8894.54	39135.98	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.13 J	0.19 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.9 J	1.0 U	0.26 J	0.20 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	2.9 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	94[cd]	3.4[c]	8.8[cd]	8.2[cd]	1.8[c]	1.8[c]	1.8[c]	1.0 U	0.72 J	0.79 J	1.7[c]

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	2.9 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	2.9 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	2.9 U[ef]	1.0 U[f]	1.0 U[f]	1.0 U[f]	1.0 U[f]	1.0 U[f]	1.0 U[f]	1.0 U[f]	1.0 U[f]	1.0 U[f]	1.0 U[f]
Xylenes (total)	472.20	2077.68	5.7 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	-	-	200 U	200 U	200 U	-	-	-	-	200 U	-	-
Antimony (dissolved)	-	-	-	10 U	10 U	10 U	-	-	-	-	10 U	-	-
Arsenic (dissolved)	-	-	-	10 U	10 U	10 U	-	-	-	-	10 U	-	-
Barium (dissolved)	-	-	-	140 J	160 J	150 J	-	-	-	-	110 J	-	-
Beryllium (dissolved)	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-	-
Cadmium (dissolved)	-	-	-	2.0 U	2.0 U	2.0 U	-	-	-	-	2.0 U	-	-
Calcium (dissolved)	-	-	-	150000	150000	130000	-	-	-	-	140000	-	-
Chromium (dissolved)	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-	-
Cobalt (dissolved)	-	-	-	3.2 J	1.8 J	2.0 J	-	-	-	-	7.0 U	-	-
Copper (dissolved)	-	-	-	25 U	25 U	25 U	-	-	-	-	25 U	-	-
Iron (dissolved)	-	-	-	2500	740	760	-	-	-	-	150	-	-
Lead (dissolved)	-	-	-	3.0 U	1.9 J	3.0 U	-	-	-	-	3.0 U	-	-
Magnesium (dissolved)	-	-	-	58000	58000	53000	-	-	-	-	53000	-	-
Manganese (dissolved)	-	-	-	430	260	250	-	-	-	-	440	-	-
Mercury (dissolved)	0.66	2.78	-	0.20 U	0.20 U	0.20 U	-	-	-	-	0.20 U	-	-
Nickel (dissolved)	-	-	-	11 J	7.0 J	7.9 J	-	-	-	-	7.4 J	-	-
Potassium (dissolved)	-	-	-	11000	10000	9400	-	-	-	-	9400	-	-
Selenium (dissolved)	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-	-
Silver (dissolved)	-	-	-	5.0 U	5.0 U	5.0 U	-	-	-	-	5.0 U	-	-
Sodium (dissolved)	-	-	-	86000	100000	93000	-	-	-	-	91000	-	-
Thallium (dissolved)	-	-	-	10 U	10 U	10 U	-	-	-	-	5.5 J	-	-
Vanadium (dissolved)	-	-	-	7.0 U	7.0 U	7.0 U	-	-	-	-	7.0 U	-	-
Zinc (dissolved)	-	-	-	50 U	50 U	50 U	-	-	-	-	50 U	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH24-13*	*BH25-13*	*BH30-13*	*BH31-13*	*BH32-13*	*BH32-13*	*BH33-13*	*BH34-13*	*BH35-13*	*BH36-13*	*BH37-13*
Sample ID:			*WG-38443-061813-SM-028*	*WG-38443-061813-SM-029*	*GW-38443-070313-SK-097*	*GW-38443-070113-SK-086*	*GW-38443-070213-SK-093*	*GW-38443-070213-SK-094*	*GW-038443-062713-SM-078*	*GW-038443-062713-SM-081*	*GW-38443-062813-SM-083*	*GW-38443-070213-SK-087*	*GW-38443-070313-SK-095*
Sample Date:			*6/18/2013*	*6/18/2013*	*7/3/2013*	*7/1/2013*	*7/2/2013*	*7/2/2013*	*6/27/2013*	*6/27/2013*	*6/28/2013*	*7/2/2013*	*7/3/2013*
Sample Depth:			*20.6-24.6 ft BGS*	*21.75-25.75 ft BGS*	*32.5-36.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*29.5-33.5 ft BGS*	*26-30 ft BGS*	*27.5-31.5 ft BGS*	*27.5-31.5 ft BGS*	*33-37 ft BGS*	*28-32 ft BGS*
			Duplicate					*Duplicate*					
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	0.67 J	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U[c]	1.0 U	1.0 U	1.0 U	1.0 UJ
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	0.44 J
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.4 UJ	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.9 UJ[cd]	4.0 U[cd]	2.0 U[cd]	2.0 U[cd]	10 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 UJ[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.4 U[cd]	2.0 U[cd]	1.0 U[cd]	1.0 U[cd]	5.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	0.21 J
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.4 U	2.0 U[c]	1.0 U	1.0 U	2.0 J[c]	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 UJ	10 UJ	14 U	20 U	10 U	10 U	50 U	10 U	10 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	14 U	20 U	10 U	10 U	7.1 J	10 U	10 U	10 U	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	0.19 J	0.31 J	1.0 U	1.0 U	80[cd]	0.49 J	1.0 U	1.0 U	0.63 J
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.4 U[c]	2.0 U[c]	1.0 U[c]	1.0 U[c]	5.0 U[cd]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.4 U[c]	2.0 U[cd]	1.0 U[c]	1.0 U[c]	5.0 U[cd]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	0.62 J	1.0 U	1.0 U	0.61 J
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	9.4	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.4 U[c]	2.0 U[c]	1.0 U[c]	1.0 U[c]	5.0 U[cd]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	0.46 J	1.0 U	1.6	49	0.88 J	0.94 J	3.8 J	1.7	1.0 U	1.6	4.7
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	0.12 J
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	100[cd]	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	6.8	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	14 U	20 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	0.99 J	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 UJ	1.0 UJ	1.4 U	2.0 U	1.0 U	1.0 U	5.1[c]	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	0.69 J	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	0.15 J	1.4 U	2.0 U	0.17 J	0.13 J	32	0.34 J	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.4 U	1.1 J	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.4 UJ	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Trichloroethene	1.07	7.45	2.0[c]	1.3[c]	39[cd]	57[cd]	1.0 U	1.0 U	5.0 U[c]	1.0 U	1.0 U	1.0 U	1.0 U

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.4 U	2.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U[c]	1.0 U[c]	1.4 U[c]	9.4[ef]	1.0 U[c]	1.0 U[c]	1.1 J[c]	11[ef]	2.2[c]	2.3[c]	7.7[ef]
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.9 U	4.0 U	2.0 U	2.0 U	190	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	-	-	200 U	200 U	-	-	-	-	-	-	200 U	-
Antimony (dissolved)	-	-	-	10 U	10 U	-	-	-	-	-	-	10 U	-
Arsenic (dissolved)	-	-	-	10 U	10 U	-	-	-	-	-	-	10 U	-
Barium (dissolved)	-	-	-	220	270	-	-	-	-	-	-	930	-
Beryllium (dissolved)	-	-	-	5.0 U	5.0 U	-	-	-	-	-	-	5.0 U	-
Cadmium (dissolved)	-	-	-	2.0 U	2.0 U	-	-	-	-	-	-	2.0 U	-
Calcium (dissolved)	-	-	-	150000	160000	-	-	-	-	-	-	110000	-
Chromium (dissolved)	-	-	-	5.0 U	5.0 U	-	-	-	-	-	-	5.0 U	-
Cobalt (dissolved)	-	-	-	7.0 U	7.0 U	-	-	-	-	-	-	7.0 U	-
Copper (dissolved)	-	-	-	25 U	25 U	-	-	-	-	-	-	25 U	-
Iron (dissolved)	-	-	-	610	1200	-	-	-	-	-	-	2100	-
Lead (dissolved)	-	-	-	3.0 U	3.0 U	-	-	-	-	-	-	3.0 U	-
Magnesium (dissolved)	-	-	-	46000	43000	-	-	-	-	-	-	51000	-
Manganese (dissolved)	-	-	-	280	150	-	-	-	-	-	-	1200	-
Mercury (dissolved)	0.66	2.78	-	0.20 U	0.20 U	-	-	-	-	-	-	0.20 U	-
Nickel (dissolved)	-	-	-	5.8 J	40 U	-	-	-	-	-	-	14 J	-
Potassium (dissolved)	-	-	-	8900	7200	-	-	-	-	-	-	16000	-
Selenium (dissolved)	-	-	-	5.0 U	11	-	-	-	-	-	-	5.0 U	-
Silver (dissolved)	-	-	-	5.0 U	5.0 U	-	-	-	-	-	-	5.0 U	-
Sodium (dissolved)	-	-	-	48000	35000	-	-	-	-	-	-	65000	-
Thallium (dissolved)	-	-	-	5.1 J	10 U	-	-	-	-	-	-	6.7 J	-
Vanadium (dissolved)	-	-	-	7.0 U	7.0 U	-	-	-	-	-	-	7.0 U	-
Zinc (dissolved)	-	-	-	50 U	50 U	-	-	-	-	-	-	51 U	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	0.48 U[c]	-	-	-	-	-	-	0.48 U[c]	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	0.48 U[c]	-	-	-	-	-	-	0.48 U[c]	-
Aroclor-1242 (PCB-1242)	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U	-
Aroclor-1248 (PCB-1248)	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U	-
Aroclor-1254 (PCB-1254)	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U	-
Aroclor-1260 (PCB-1260)	-	-	-	-	0.48 U	-	-	-	-	-	-	0.48 U	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH38-13*	*BH39-13*	*BH40-13*	*BH42-13*	*BH43-13*	*BH44-13*	*BH46-13*	*BH46B-13*	*BH48B-13*	*BH49-13*	*BH51-13*
Sample ID:			*GW-38443-062813-SM-082*	*GW-38443-070113-SK-085*	*GW-38443-070213-SK-089*	*GW-38443-070813-JT-098*	*GW-38443-070213-SK-090*	*GW-38443-070213-SK-091*	*GW-38443-070213-SK-092*	*GW-38443-070313-SK-096*	*GW-38443-070813-JT-099*	*WG-38443-061813-SM-032*	*WG-38443-062113-SM-058*
Sample Date:			*6/28/2013*	*7/1/2013*	*7/2/2013*	*7/8/2013*	*7/2/2013*	*7/2/2013*	*7/2/2013*	*7/3/2013*	*7/8/2013*	*6/18/2013*	*6/21/2013*
Sample Depth:			*28.5-32.5 ft BGS*	*31-35ft BGS*	*31.5-35.5 ft BGS*	*33-37 ft BGS*	*28.5-32.5 ft BGS*	*38.5-42.5 ft BGS*	*31-35 ft BGS*	*29-33 ft BGS*	*30-34 ft BGS*	*21.5-25.5 ft BGS*	*22.5-26.5 ft BGS*
Parameter	*Protection of Residential IA* *c*	*Protection of Industrial IA* *d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	0.48 J	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U[c]	1.0 UJ	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	0.99 J	0.37 J	1.0 U	1.0 U	4.0	0.53 J	11 U[c]	1.0 U	0.18 J	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	22 U[cd]	2.0 UJ[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	11 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	0.45 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 J	1.0 U	0.92 J	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[cd]	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[cd]	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	110 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 UJ	10 U	10 U	10 UJ	10 U	10 U	110 U	10 U	10 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 UJ	10 U	10 U	110 U	10 U	10 UJ	10 U	0.34 J
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	10 U	10 U	10 U	110 U	10 U	10 U	10 U	10 U
Benzene	1.37	7.05	0.48 J	1.0 U	1.0 U	1.0 U	0.15 J	1.0 U	100[cd]	1.0 U	0.61 J	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	11 U[cd]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 UJ[c]	1.0 U[c]	1.0 U[c]	11 U[cd]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	0.59 J	1.0 U	1.0 U	0.44 J	1.0 U	1.0 U	6.3 J	0.41 J	1.7	1.0 U	1.0 U
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	11 U[cd]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	2.6	6.6	2.0	1.0 U	27	1.7	2.8 J	1.0 U	2.5	0.33 J	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	0.22 J	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	0.46 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	9.9 J[c]	1.0 U	1.0 U	1.0 U	0.84 J
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.7 J	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 UJ	10 U	10 U	110 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ
Naphthalene	4.00	20.01	1.0 U	1.0 U	1.0 U	1.4	1.0 U	1.0 U	11 U[c]	1.0 U	1.0 U	1.0 U	0.32 J
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	11	1.0 U	1.0 U	0.18 J	1.0 U	0.13 J	270	1.0 U	0.26 J	1.0 U	0.32 J
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	0.45 J	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	11 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0	0.56 J	1.0 U	6.1[c]	1.9[c]	11 U[cd]	1.0 U	1.0 U	1.0 U	1.0 U

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	11 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.9[c]	3.6[cd]	0.25 J[c]	3.5[cd]	6.2[cd]	0.28 J[c]	11 U[cd]	1.0 U[c]	2.9[cd]	1.0 U[c]	1.0 U[c]
Xylenes (total)	472.20	2077.68	2.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	36	2.0 U	2.0 U	2.0 U	6.3
Metals													
Aluminum (dissolved)	-	-	-	-	200 U	-	-	-	200 U	200 U	200 U	200 U	-
Antimony (dissolved)	-	-	-	-	10 U	-	-	-	10 U	10 U	10 U	10 U	-
Arsenic (dissolved)	-	-	-	-	10 U	-	-	-	5.1 J	10 U	11	6.0 J	-
Barium (dissolved)	-	-	-	-	630	-	-	-	830	570	660	1700	-
Beryllium (dissolved)	-	-	-	-	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	-
Cadmium (dissolved)	-	-	-	-	2.0 U	-	-	-	2.0 U	2.0 U	2.0 U	2.0 U	-
Calcium (dissolved)	-	-	-	-	130000	-	-	-	160000	150000	150000	170000	-
Chromium (dissolved)	-	-	-	-	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	-
Cobalt (dissolved)	-	-	-	-	2.7 J	-	-	-	7.0 U	1.8 J	7.0 U	7.0 U	-
Copper (dissolved)	-	-	-	-	25 U	-	-	-	25 U	8.3 J	25 U	25 U	-
Iron (dissolved)	-	-	-	-	2600	-	-	-	24000	2400	12000	8400	-
Lead (dissolved)	-	-	-	-	3.0 U	-	-	-	3.0 U	3.0 U	3.0 U	3.0 U	-
Magnesium (dissolved)	-	-	-	-	70000	-	-	-	48000	49000	43000	57000	-
Manganese (dissolved)	-	-	-	-	720	-	-	-	280	1000	230	440	-
Mercury (dissolved)	0.66	2.78	-	-	0.20 U	-	-	-	0.20 U	0.20 U	0.20 U	0.20 U	-
Nickel (dissolved)	-	-	-	-	7.3 J	-	-	-	40 U	40 U	4.2 J	4.4 J	-
Potassium (dissolved)	-	-	-	-	20000 J	-	-	-	17000 J	11000	8500	14000	-
Selenium (dissolved)	-	-	-	-	5.0 U	-	-	-	5.0 U	8.0	5.0 U	5.0 U	-
Silver (dissolved)	-	-	-	-	5.0 U	-	-	-	5.0 U	5.0 U	5.0 U	5.0 U	-
Sodium (dissolved)	-	-	-	-	73000	-	-	-	100000	100000	83000	120000	-
Thallium (dissolved)	-	-	-	-	5.0 J	-	-	-	4.9 J	10 U	10 U	5.9 J	-
Vanadium (dissolved)	-	-	-	-	7.0 U	-	-	-	7.0 U	7.0 U	7.0 U	7.0 U	-
Zinc (dissolved)	-	-	-	-	50 U	-	-	-	50 U	50 U	51	50 U	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	0.48 U	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	0.48 U[c]	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	0.48 U[c]	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	0.48 U	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	0.48 U	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	0.48 U	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	0.48 U	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	480 U[cd]	540 UJ[cd]	530 U[cd]
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	480 U[cd]	540 UJ[cd]	530 U[cd]

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH52-13*	*BH53-13*	*BH54-13*	*BH55-13*	*BH56-13*	*BH57-13*	*BH57-13*	*BH58-13*	*BH59-13*	*BH60-13*	*BH61-13*
Sample ID:			*WG-38443-061913-SM-041*	*WG-38443-061813-SM-034*	*WG-38443-061813-SM-033*	*WG-38443-061813-SM-035*	*WG-38443-061913-SM-036*	*WG-38443-061913-SM-037*	*WG-38443-061913-SM-038*	*WG-38443-061913-SM-044*	*WG-38443-061913-SM-040*	*WG-38443-061913-SM-045*	*WG-38443-061913-SM-046*
Sample Date:			*6/19/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*
Sample Depth:			*24.8-28.8 ft BGS*	*22-26 ft BGS*	*21.5-25.5 ft BGS*	*25.5-29.5 ft BGS*	*24-28 ft BGS*	*24-28 ft BGS*	*24-28 ft BGS*	*24.5-28.5 ft BGS*	*23.5-27.5 ft BGS*	*23-27 ft BGS*	*24.2-28.2 ft BGS*
									Duplicate				
Parameter	*Protection of Residential IA* *c*	*Protection of Industrial IA* *d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	1.3 J	10 U	10 U	10 U	1.1 J	10 U	2.0 J	10 U	10 U	10 U	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	5.6	0.52 J	0.17 J	2.5	0.96 J	4.1	4.1	0.29 J	0.68 J	0.81 J	0.73 J
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.68 J	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ
Naphthalene	4.00	20.01	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.34 J	0.14 J	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	0.40 J	2.0[e]	0.58 J	2.1[e]	0.71 J	0.95 J	0.95 J	1.0 U	1.6[f]	1.3[f]	0.80 J

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TABLE 62

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	0.73 J[c]	1.0 U[c]	1.0 U[c]	0.46 J[c]	1.0 U[c]	0.48 J[c]	0.40 J[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.7	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	0.49 UJ[c]	0.49 UJ[c]	0.52 UJ[c]	0.52 UJ[c]	0.49 UJ[c]	0.51 UJ[c]
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	0.49 UJ[c]	0.49 UJ[c]	0.52 UJ[c]	0.52 UJ[c]	0.49 UJ[c]	0.51 UJ[c]
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	0.49 UJ	0.49 UJ	0.52 UJ	0.52 UJ	0.49 UJ	0.51 UJ
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH62-13*	*BH63-13*	*BH64-13*	*BH65-13*	*BH66-13*	*BH67-13*	*BH68-13*	*BH69-13*	*BH70-13*	*BH71-13*	*BH72-13*
Sample ID:			*WG-38443-061913-SM-043*	*WG-38443-062013-SM-052*	*WG-38443-061913-SM-042*	*WG-38443-062013-SM-053*	*GW-38443-062613-SM-074*	*WG-38443-062013-SM-055*	*WG-38443-062013-SM-047*	*WG-38443-062113-SM-059*	*WG-38443-062113-SM-057*	*WG-38443-062013-SM-054*	*WG-38443-062013-SM-056*
Sample Date:			*6/19/2013*	*6/20/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/20/2013*	*6/20/2013*	*6/21/2013*	*6/21/2013*	*6/20/2013*	*6/20/2013*
Sample Depth:			*24.5-28.5 ft BGS*	*26-30 ft BGS*	*25-29 ft BGS*	*25-29 ft BGS*	*25-29 ft BGS*	*24-28 ft BGS*	*24.5-28.5 ft BGS*	*24-28 ft BGS*	*23.5-27.5 ft BGS*	*24.5-28.5 ft BGS*	*21.75-25.75 ft BGS*
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	0.53 J	0.55 J	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	3.3 U[cd]	4.0 U[cd]	2.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.7 U[cd]	2.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	0.35 J
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U[c]	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	0.31 J
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	2.5[c]
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	3.0 J	10 U	10 U	10 U	10 U	10 U	10 U	17 U	1.3 J	10 U	10 U
2-Hexanone	8135.84	34118.05	10 UJ	10 U	10 UJ	10 U	10 U	10 U	10 U	17 UJ	20 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	2.2 J	10 U	10 U	10 U	10 U	10 U	10 U	17 U	20 U	10 U	10 U
Acetone	22363547.42	97840519.95	2.4 J	10 U	10 U	10 U	10 U	10 U	10 U	17 UJ	20 UJ	10 U	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U[c]	2.0 U[c]	1.0 U	0.79 J
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.7 U[c]	2.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ	1.0 UJ	1.0 UJ
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.7 U[c]	2.0 U[cd]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	0.20 J	0.48 J	0.88 J	0.85 J	2.0 U	0.35 J	7.2
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	0.48 J	0.57 J	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	0.90 J	0.88 J	1.8	2.0	1.0	1.4	25	0.72 J	2.0	0.44 J
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	0.74 J
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	0.86 J	1.0 U	1.0 U	1.0 U	0.39 J	0.67 J	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	2.7
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	17 U	20 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	0.97 J
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 U	2.0 U	1.0 UJ	1.0 UJ
Naphthalene	4.00	20.01	0.43 J	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ	1.0 UJ	1.0 UJ
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.5	2.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	0.50 J	0.22 J	1.0 U	1.0 U	1.0 U	1.0 U	0.17 J	0.92 J	1.2 J	1.0 U	0.24 J
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37 J	2.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	0.70 J	1.1[c]	1.0 U	1.0 U	1.0 U	1.0 U	43[cd]	74[cd]	0.24 J	0.17 J

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.7 UJ	2.0 UJ	1.0 UJ	1.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	2.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	0.29 J[c]	0.57 J[c]	1.0 U[c]	1.7 U[c]	2.0 U[c]	1.0 U[c]	1.0 U[c]
Xylenes (total)	472.20	2077.68	7.3	2.0 U	2.0 U	2.0 U	0.64 J	0.30 J	2.0 U	3.3 U	4.0 U	2.0 U	0.53 J
Metals													
Aluminum (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U	0.50 U
Aroclor-1221 (PCB-1221)	0.14	0.70	0.51 UJ[c]	0.50 U[c]	0.49 UJ[c]	0.53 U[c]	0.52 U[c]	0.54 U[c]	0.48 U[c]	0.48 U[c]	0.49 U[c]	0.49 U[c]	0.50 U[c]
Aroclor-1232 (PCB-1232)	0.14	0.70	0.51 UJ[c]	0.50 U[c]	0.49 UJ[c]	0.53 U[c]	0.52 U[c]	0.54 U[c]	0.48 U[c]	0.48 U[c]	0.49 U[c]	0.49 U[c]	0.50 U[c]
Aroclor-1242 (PCB-1242)	-	-	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U	0.50 U
Aroclor-1248 (PCB-1248)	-	-	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U	0.50 U
Aroclor-1254 (PCB-1254)	-	-	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U	0.50 U
Aroclor-1260 (PCB-1260)	-	-	0.51 UJ	0.50 U	0.49 UJ	0.53 U	0.52 U	0.54 U	0.48 U	0.48 U	0.49 U	0.49 U	0.50 U
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH73-13*	*BH74-13*	*BH74-13*	*BH75-13*	*BH76-13*	*BH77-13*	*BH78-13*	*BH79-13*	*BH80-13*	*BH81-13*	*BH81-13*
Sample ID:			*WG-38443-062013-SM-051*	*WG-38443-062013-SM-048*	*WG-38443-062013-SM-049*	*WG-38443-062513-SM-068*	*GW-38443-062613-SM-072*	*WG-38443-062513-SM-069*	*WG-38443-062513-SM-067*	*GW-38443-062613-SM-075*	*WG-38443-062513-SM-066*	*GW-038443-062713-SM-079*	*GW-038443-062713-SM-080*
Sample Date:			*6/20/2013*	*6/20/2013*	*6/20/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/27/2013*	*6/27/2013*
Sample Depth:			*21.5-25.5 ft BGS*	*22-26 ft BGS*	*22-26 ft BGS*	*23-27 ft BGS*	*23.5-27.5 ft BGS*	*23-27 ft BGS*	*23-27 ft BGS*	*24-28 ft BGS*	*25.5-29.5 ft BGS*	*25-29 ft BGS*	*25-29 ft BGS*
					Duplicate								*Duplicate*
Parameter	*Protection of Residential IA*	*Protection of Industrial IA*											
	c	*d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	0.62 J	0.25 J	0.33 J	0.40 J	0.41 J
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.9 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.4 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	0.13 J	0.56 J	1.0 U	0.15 J	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	0.28 J	1.0 U	5.6[c]	0.20 J	0.50 J	1.0	0.27 J	0.26 J
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	1.0 J	10 U	10 U	14 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	10 U	2.4 J	10 U	14 UJ	10 U	10 U	10 UJ	10 U	10 U
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	0.49 J	0.89 J	12[cd]	0.20 J	0.25 J	0.23 J	0.33 J	0.33 J
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.4 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.4 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.4 UJ[c]	1.0 U[c]	1.0 U[c]	1.0 UJ[c]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	4.5	0.47 J	40	0.44 J	5.7	3.4	2.8	2.7
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.0 U	1.0 U	4.1	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.4 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	1.0 U	1.0 U	0.65 J	1.0 U	0.74 J	1.7	1.7	0.72 J	1.1	1.1
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.27 J	1.0 U	1.0 U	0.12 J	1.0 U	0.14 J
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	0.42 J	0.59 J	1.0 U	1.0 U	2.2	0.27 J	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.9	0.19 J	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.70 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	0.26 J	2.0	0.24 J	1.0 U	0.36 J	0.24 J	0.27 J	0.25 J
Methylene chloride	722.51	9031.38	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	9.8[c]	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	0.33 J	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	0.25 J	0.33 J	0.19 J	0.15 J	0.50 J	0.48 J	0.17 J	0.13 J	0.23 J	0.22 J
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.4 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U
Trichloroethene	1.07	7.45	2.6[c]	0.80 J	0.40 J	1.0 U	1.0 U	1.4 U[c]	0.38 J	1.0 U	1.0 U	1.0 U	0.17 J

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U[c]	1.0 U[c]	1.0 U[c]	0.34 J[c]	1.0 U[c]	0.32 J[c]	0.41 J[c]	5.3[ad]	0.41 J[c]	0.42 J[c]	0.44 J[c]
Xylenes (total)	472.20	2077.68	2.0 U	2.2 J	4.1 J	2.0 U	0.35 J	5.7	0.85 J	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	-	-	-	-	-	200 U	-	-	-	-	200 U	200 U
Antimony (dissolved)	-	-	-	-	-	-	10 U	-	-	-	-	10 U	10 U
Arsenic (dissolved)	-	-	-	-	-	-	10 U	-	-	-	-	10 U	10 U
Barium (dissolved)	-	-	-	-	-	-	1900	-	-	-	-	760	740
Beryllium (dissolved)	-	-	-	-	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U
Cadmium (dissolved)	-	-	-	-	-	-	2.0 U	-	-	-	-	2.0 U	2.0 U
Calcium (dissolved)	-	-	-	-	-	-	140000	-	-	-	-	140000	140000
Chromium (dissolved)	-	-	-	-	-	-	3.7 J	-	-	-	-	5.0 U	5.0 U
Cobalt (dissolved)	-	-	-	-	-	-	7.0 U	-	-	-	-	7.0 U	7.0 U
Copper (dissolved)	-	-	-	-	-	-	25 U	-	-	-	-	25 U	25 U
Iron (dissolved)	-	-	-	-	-	-	26000	-	-	-	-	5600	5500
Lead (dissolved)	-	-	-	-	-	-	3.0 U	-	-	-	-	3.0 U	3.0 U
Magnesium (dissolved)	-	-	-	-	-	-	66000	-	-	-	-	56000	55000
Manganese (dissolved)	-	-	-	-	-	-	270	-	-	-	-	150	140
Mercury (dissolved)	0.66	2.78	-	-	-	-	0.20 U	-	-	-	-	0.20 U	0.20 U
Nickel (dissolved)	-	-	-	-	-	-	40 U	-	-	-	-	4.6 J	4.1 J
Potassium (dissolved)	-	-	-	-	-	-	24000	-	-	-	-	18000	18000
Selenium (dissolved)	-	-	-	-	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U
Silver (dissolved)	-	-	-	-	-	-	5.0 U	-	-	-	-	5.0 U	5.0 U
Sodium (dissolved)	-	-	-	-	-	-	58000	-	-	-	-	88000	85000
Thallium (dissolved)	-	-	-	-	-	-	10 U	-	-	-	-	10 U	10 U
Vanadium (dissolved)	-	-	-	-	-	-	7.0 U	-	-	-	-	7.0 U	7.0 U
Zinc (dissolved)	-	-	-	-	-	-	50 U	-	-	-	-	50 U	50 U
PCBs													
Aroclor-1016 (PCB-1016)	-	-	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	0.49 U[c]	0.48 U[c]	0.54 U[c]	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	0.49 U[c]	0.48 U[c]	0.54 U[c]	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	0.49 U	0.48 U	0.54 U	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH82-13*	*BH83-13*	*BH83-13*	*BH84-13*	*BH85-13*	*BH85-13*	*BH86-13*	*BH87-13*	*BH88-13*	*BH89-13*	*BH90-13*
Sample ID:			*WG-38443-062513-SM-064*	*WG-38443-062513-SM-063*	*WG-38443-062513-SM-065*	*GW-38443-062613-SM-076*	*WG-38443-062513-SM-070*	*WG-38443-062513-SM-071*	*WG-38443-062413-SM-061*	*GW-38443-062613-SM-077*	*WG-38443-062413-SM-060*	*WG-38443-062413-SM-062*	*GW-38443-070913-JT-101*
Sample Date:			*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/24/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*7/9/2013*
Sample Depth:			*22-26 ft BGS*	*23.2-27.2 ft BGS*	*23.2-27.2 ft BGS*	*22-26 ft BGS*	*23.5-27.5 ft BGS*	*23.5-27.5 ft BGS*	*25.5-29.5 ft BGS*	*23-27 ft BGS*	*23-27 ft BGS*	*20.8-24.8 ft BGS*	*29.5-33.5 ft BGS*
					Duplicate			*Duplicate*					
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	0.47 J	1.0 U	1.0 U	1.7	0.35 J	0.35 J	2.2 U	0.23 J	1.0 U	0.62 J	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	0.39 J	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	2.2 U	1.0 U	1.2 J	1.0 UJ	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	4.4 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	2.2 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	0.62 J	0.54 J	2.2 U[c]	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	0.44 J	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	0.43 J	0.42 J	1.0 U	0.48 J	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U	1.0 J
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U	10 UJ
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U	10 UJ
Acetone	22363547.42	97840519.95	10 U	3.6 J	2.3 J	1.9 J	10 U	10 U	22 UJ	10 U	2.6 J	10 U	10 U
Benzene	1.37	7.05	1.0 U	0.31 J	0.30 J	0.37 J	1.0 U	1.0 U	0.30 J	0.29 J	0.67 J	0.21 J	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	2.2 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	2.2 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ
Carbon disulfide	1239.99	5265.69	0.17 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	0.24 J	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	2.2 UJ[cd]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	0.21 J	8.6	8.8	3.5	1.2	1.0 U	7.2	1.0 U	2.9	1.4	1.0 U
Chloroethane	22036.04	96958.56	0.61 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	2.6	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	2.2 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	2.1	2.0	2.6	1.0 U	1.0 U	9.4	1.0 U	0.33 J	17	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	2.2 U	1.0 U	0.36 J	1.0 UJ	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	22 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	0.23 J	0.56 J	0.56 J	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Naphthalene	4.00	20.01	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.3 J	0.24 J	2.2 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	0.13 J	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	0.21 J	0.23 J	0.15 J	1.0 U	1.0 U	2.2 U	1.0 U	0.49 J	0.18 J	0.16 J
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	2.2 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0 U	0.54 J	1.0 U	1.0 U	2.2 U[c]	1.0 U	1.0 U	11[cd]	1.0 U

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.2 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.9[c]	2.1[c]	2.2[c]	0.31 J[c]	1.0 U[c]	1.0 U[c]	54[cd]	1.0 U[c]	2.5[cd]	7.0[cd]	1.0 U[c]
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.4 U	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	-	-	-	-	-	200 U	200 U	-	-	-	200 U	-
Antimony (dissolved)	-	-	-	-	-	-	10 U	10 U	-	-	-	10 U	-
Arsenic (dissolved)	-	-	-	-	-	-	21	20	-	-	-	9.4 J	-
Barium (dissolved)	-	-	-	-	-	-	800	700	-	-	-	240	-
Beryllium (dissolved)	-	-	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Cadmium (dissolved)	-	-	-	-	-	-	2.0 U	2.0 U	-	-	-	2.0 U	-
Calcium (dissolved)	-	-	-	-	-	-	82000	81000	-	-	-	130000	-
Chromium (dissolved)	-	-	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Cobalt (dissolved)	-	-	-	-	-	-	7.0 U	7.0 U	-	-	-	4.1 J	-
Copper (dissolved)	-	-	-	-	-	-	25 U	25 U	-	-	-	25 U	-
Iron (dissolved)	-	-	-	-	-	-	1500	1500	-	-	-	3100	-
Lead (dissolved)	-	-	-	-	-	-	3.0 U	3.0 U	-	-	-	3.0 U	-
Magnesium (dissolved)	-	-	-	-	-	-	51000	50000	-	-	-	57000	-
Manganese (dissolved)	-	-	-	-	-	-	100	100	-	-	-	480	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	0.20 U	0.20 U	-	-	-	0.20 U	-
Nickel (dissolved)	-	-	-	-	-	-	40 U	40 U	-	-	-	9.1 J	-
Potassium (dissolved)	-	-	-	-	-	-	23000	23000	-	-	-	21000	-
Selenium (dissolved)	-	-	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Silver (dissolved)	-	-	-	-	-	-	5.0 U	5.0 U	-	-	-	5.0 U	-
Sodium (dissolved)	-	-	-	-	-	-	78000	77000	-	-	-	86000	-
Thallium (dissolved)	-	-	-	-	-	-	10 U	10 U	-	-	-	10 U	-
Vanadium (dissolved)	-	-	-	-	-	-	7.0 U	7.0 U	-	-	-	7.0 U	-
Zinc (dissolved)	-	-	-	-	-	-	50 U	50 U	-	-	-	50 U	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH91-13*	*BH92-13*	*BH93-13*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Equipment Blank*	*Rinse Blank*	*Rinse Blank*
Sample ID:			*GW-38443-062813-SM-084*	*GW-38443-070913-JT-102*	*GW-38443-070913-JT-104*	*EB-038443-061413-SM-018*	*EB-38443-061813-SM-030*	*EB-38443-061913-SM-039*	*EB-38443-062013-SM-050*	*GW-38443-062613-SM-073*	*EB-38443-062813-SM-083*	*RB-38443-061113-GL-004*	*RB-38443-070213-SK-088*
Sample Date:			*6/28/2013*	*7/9/2013*	*7/9/2013*	*6/14/2013*	*6/18/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/28/2013*	*6/11/2013*	*7/2/2013*
Sample Depth:			*27-31 ft BGS*	*21.8-25.8 ft BGS*	*20-24 ft BGS*	-	-	-	-	-	-	-	-
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*											
Volatile Organic Compounds													
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	5.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	1.4 J	2.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	3.6 J	1.4 J	1.3 J	10 U	10 U	10 U	10 U	10 U	2.8 J	10 U
Benzene	1.37	7.05	1.0 U	0.55 J	0.62 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 J	1.0 U	1.0 U	0.30 J	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	0.48 J	5.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	96958.56	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	0.39 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	4.9[c]	1.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	0.14 J	0.38 J	0.41 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Xylenes (total)	472.20	2077.68	2.0 U	0.75 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Metals													
Aluminum (dissolved)	-	-	-	-	-	-	-	-	-	200 U	-	-	-
Antimony (dissolved)	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Arsenic (dissolved)	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Barium (dissolved)	-	-	-	-	-	-	-	-	-	4.6 J	-	-	-
Beryllium (dissolved)	-	-	-	-	-	-	-	-	-	5.0 U	-	-	-
Cadmium (dissolved)	-	-	-	-	-	-	-	-	-	2.0 U	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	5000 U	-	-	-
Chromium (dissolved)	-	-	-	-	-	-	-	-	-	3.1 J	-	-	-
Cobalt (dissolved)	-	-	-	-	-	-	-	-	-	7.0 U	-	-	-
Copper (dissolved)	-	-	-	-	-	-	-	-	-	34	-	-	-
Iron (dissolved)	-	-	-	-	-	-	-	-	-	330	-	-	-
Lead (dissolved)	-	-	-	-	-	-	-	-	-	7.4	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	280 J	-	-	-
Manganese (dissolved)	-	-	-	-	-	-	-	-	-	10 J	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	-	-	0.20 U	-	-	-
Nickel (dissolved)	-	-	-	-	-	-	-	-	-	40 U	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	370 J	-	-	-
Selenium (dissolved)	-	-	-	-	-	-	-	-	-	5.0 U	-	-	-
Silver (dissolved)	-	-	-	-	-	-	-	-	-	5.0 U	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	1100 J	-	-	-
Thallium (dissolved)	-	-	-	-	-	-	-	-	-	10 U	-	-	-
Vanadium (dissolved)	-	-	-	-	-	-	-	-	-	7.0 U	-	-	-
Zinc (dissolved)	-	-	-	-	-	-	-	-	-	38 J	-	-	-
PCBs													
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons													
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*Rinse Blank*	*Rinse Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*	*Trip Blank*
Sample ID:			*GW-38443-070813-JT-100*	*GW-38443-070913-JT-103*	*TRIP BLANK-061113-001*	*TRIP BLANK-061213-002*	*TRIPBLANK-061313-003*	*TRIP BLANK-061413-004*	*TB-38443-061913-SM*	*TB-38443-062113-SM*	*TB-38443-062513-SM*	*TB-38443-062613-SM*	*TB-38443-062813-SM*	*TB-38443-070113-SK*
Sample Date:			*7/8/2013*	*7/9/2013*	*6/11/2013*	*6/12/2013*	*6/13/2013*	*6/14/2013*	*6/19/2013*	*6/21/2013*	*6/25/2013*	*6/26/2013*	*6/28/2013*	*7/1/2013*
Sample Depth:			-	-	-	-	-	-	-	-	-	-	-	-
Parameter	*Protection of Residential IA c*	*Protection of Industrial IA d*												
Volatile Organic Compounds														
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]	2.0 U[cd]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]	1.0 U[cd]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	22363547.42	97840519.95	10 U	10 U	1.1 J	10 U	1.2 J	10 U	10 U	10 U	10 U	10 U	10 U	2.3 J
Benzene	1.37	7.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	22036.04	96958.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]	1.0 U[c]
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Metals														
Aluminum (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calcium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iron (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potassium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs														
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petroleum Hydrocarbons														
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

CRA 038443 (28)

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***Trip Blank***	***Trip Blank***
Sample ID:			***TB-38443-070313-SK***	***TRIPBLANK-JT-001***
Sample Date:			***7/3/2013***	***7/9/2013***
Sample Depth:			-	-
Parameter	***Protection of Residential IA c***	***Protection of Industrial IA d***		
Volatile Organic Compounds				
1,1,1-Trichloroethane	7394.88	31286.05	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	2.80	14.00	1.0 U	1.0 U
1,1,2-Trichloroethane	4.45	22.86	1.0 U	1.0 U
1,1-Dichloroethane	6.53	33.51	1.0 U	1.0 U
1,1-Dichloroethene	196.80	824.71	1.0 U	1.0 U
1,2,4-Trichlorobenzene	36.17	151.58	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33	2.0 U[ad]	2.0 U[ad]
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75	1.0 U[ad]	1.0 U[ad]
1,2-Dichlorobenzene	2675.31	11210.83	1.0 U	1.0 U
1,2-Dichloroethane	1.95	9.74	1.0 U	1.0 U
1,2-Dichloropropane	2.08	10.41	1.0 U	1.0 U
1,3-Dichlorobenzene	-	-	1.0 U	1.0 U
1,4-Dichlorobenzene	2.23	11.16	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31	10 U	10 U
2-Hexanone	8135.84	34118.05	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31	10 U	10 U
Acetone	22363547.42	97840519.95	1.4 J	10 U
Benzene	1.37	7.05	1.0 U	1.0 U
Bromodichloromethane	0.76	3.81	1.0 U[c]	1.0 U[c]
Bromoform	-	-	1.0 U	1.0 U
Bromomethane (Methyl bromide)	17.33	73.31	1.0 U	1.0 U
Carbon disulfide	1239.99	5265.69	1.0 U	1.0 U
Carbon tetrachloride	0.36	1.77	1.0 U[c]	1.0 U[c]
Chlorobenzene	408.98	1730.29	1.0 U	1.0 U
Chloroethane	22036.04	96958.56	1.0 U	1.0 U
Chloroform (Trichloromethane)	0.73	3.53	1.0 U[c]	1.0 U[c]
Chloromethane (Methyl chloride)	260.68	1081.56	1.0 U	1.0 U
cis-1,2-Dichloroethene	-	-	1.0 U	1.0 U
cis-1,3-Dichloropropene	-	-	1.0 U	1.0 U
Cyclohexane	1027.32	4239.73	1.0 U	1.0 U
Dibromochloromethane	2.81	14.06	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	7.13	31.38	1.0 U	1.0 U
Ethylbenzene	3.01	15.21	1.0 U	1.0 U
Isopropyl benzene	893.32	3828.52	1.0 U	1.0 U
Methyl acetate	-	-	10 U	10 U
Methyl cyclohexane	-	-	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	391.69	1958.46	1.0 U	1.0 U
Methylene chloride	722.51	9031.38	1.0 U	1.0 U
Naphthalene	4.00	20.01	1.0 U	1.0 U
Styrene	8894.54	39135.98	1.0 U	1.0 U
Tetrachloroethene	12.99	64.95	1.0 U	1.0 U
Toluene	19155.42	81042.17	1.0 U	1.0 U
trans-1,2-Dichloroethene	377.69	1558.73	1.0 U	1.0 U
trans-1,3-Dichloropropene	-	-	1.0 U	1.0 U
Trichloroethene	1.07	7.45	1.0 U	1.0 U

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25	1.0 U	1.0 U
Vinyl chloride	0.14	2.46	1.0 U[c]	1.0 U[c]
Xylenes (total)	472.20	2077.68	2.0 U	2.0 U
Metals				
Aluminum (dissolved)	-	-	-	-
Antimony (dissolved)	-	-	-	-
Arsenic (dissolved)	-	-	-	-
Barium (dissolved)	-	-	-	-
Beryllium (dissolved)	-	-	-	-
Cadmium (dissolved)	-	-	-	-
Calcium (dissolved)	-	-	-	-
Chromium (dissolved)	-	-	-	-
Cobalt (dissolved)	-	-	-	-
Copper (dissolved)	-	-	-	-
Iron (dissolved)	-	-	-	-
Lead (dissolved)	-	-	-	-
Magnesium (dissolved)	-	-	-	-
Manganese (dissolved)	-	-	-	-
Mercury (dissolved)	0.66	2.78	-	-
Nickel (dissolved)	-	-	-	-
Potassium (dissolved)	-	-	-	-
Selenium (dissolved)	-	-	-	-
Silver (dissolved)	-	-	-	-
Sodium (dissolved)	-	-	-	-
Thallium (dissolved)	-	-	-	-
Vanadium (dissolved)	-	-	-	-
Zinc (dissolved)	-	-	-	-
PCBs				
Aroclor-1016 (PCB-1016)	-	-	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70	-	-
Aroclor-1232 (PCB-1232)	0.14	0.70	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-
Petroleum Hydrocarbons				
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05	-	-
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05	-	-

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

Parameter	***Protection of Residential IA***	***Protection of Industrial IA***
	c	***d***
Volatile Organic Compounds		
1,1,1-Trichloroethane	7394.88	31286.05
1,1,2,2-Tetrachloroethane	2.80	14.00
1,1,2-Trichloroethane	4.45	22.86
1,1-Dichloroethane	6.53	33.51
1,1-Dichloroethene	196.80	824.71
1,2,4-Trichlorobenzene	36.17	151.58
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75
1,2-Dichlorobenzene	2675.31	11210.83
1,2-Dichloroethane	1.95	9.74
1,2-Dichloropropane	2.08	10.41
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2.23	11.16
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31
2-Hexanone	8135.84	34118.05
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31
Acetone	22363547.42	97840519.95
Benzene	1.37	7.05
Bromodichloromethane	0.76	3.81
Bromoform	-	-
Bromomethane (Methyl bromide)	17.33	73.31
Carbon disulfide	1239.99	5265.69
Carbon tetrachloride	0.36	1.77
Chlorobenzene	408.98	1730.29
Chloroethane	22036.04	96958.56
Chloroform (Trichloromethane)	0.73	3.53
Chloromethane (Methyl chloride)	260.68	1081.56
cis-1,2-Dichloroethene	-	-
cis-1,3-Dichloropropene	-	-
Cyclohexane	1027.32	4239.73
Dibromochloromethane	2.81	14.06
Dichlorodifluoromethane (CFC-12)	7.13	31.38
Ethylbenzene	3.01	15.21
Isopropyl benzene	893.32	3828.52
Methyl acetate	-	-
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	391.69	1958.46
Methylene chloride	722.51	9031.38
Naphthalene	4.00	20.01
Styrene	8894.54	39135.98
Tetrachloroethene	12.99	64.95
Toluene	19155.42	81042.17
trans-1,2-Dichloroethene	377.69	1558.73
trans-1,3-Dichloropropene	-	-
Trichloroethene	1.07	7.45

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25
Vinyl chloride	0.14	2.46
Xylenes (total)	472.20	2077.68
Metals		
Aluminum (dissolved)	-	-
Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
Barium (dissolved)	-	-
Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

Parameter	***Protection of Residential IA c***	***Protection of Industrial IA d***
Volatile Organic Compounds		
1,1,1-Trichloroethane	7394.88	31286.05
1,1,2,2-Tetrachloroethane	2.80	14.00
1,1,2-Trichloroethane	4.45	22.86
1,1-Dichloroethane	6.53	33.51
1,1-Dichloroethene	196.80	824.71
1,2,4-Trichlorobenzene	36.17	151.58
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75
1,2-Dichlorobenzene	2675.31	11210.83
1,2-Dichloroethane	1.95	9.74
1,2-Dichloropropane	2.08	10.41
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2.23	11.16
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31
2-Hexanone	8135.84	34118.05
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31
Acetone	22363547.42	97840519.95
Benzene	1.37	7.05
Bromodichloromethane	0.76	3.81
Bromoform	-	-
Bromomethane (Methyl bromide)	17.33	73.31
Carbon disulfide	1239.99	5265.69
Carbon tetrachloride	0.36	1.77
Chlorobenzene	408.98	1730.29
Chloroethane	22036.04	96958.56
Chloroform (Trichloromethane)	0.73	3.53
Chloromethane (Methyl chloride)	260.68	1081.56
cis-1,2-Dichloroethene	-	-
cis-1,3-Dichloropropene	-	-
Cyclohexane	1027.32	4239.73
Dibromochloromethane	2.81	14.06
Dichlorodifluoromethane (CFC-12)	7.13	31.38
Ethylbenzene	3.01	15.21
Isopropyl benzene	893.32	3828.52
Methyl acetate	-	-
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	391.69	1958.46
Methylene chloride	722.51	9031.38
Naphthalene	4.00	20.01
Styrene	8894.54	39135.98
Tetrachloroethene	12.99	64.95
Toluene	19155.42	81042.17
trans-1,2-Dichloroethene	377.69	1558.73
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Trichloroethene	1.07	7.45

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25
Vinyl chloride	0.14	2.46
Xylenes (total)	472.20	2077.68
Metals		
Aluminum (dissolved)	-	-
Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
Barium (dissolved)	-	-
Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

Parameter	***Protection of Residential IA c***	***Protection of Industrial IA d***
Volatile Organic Compounds		
1,1,1-Trichloroethane	7394.88	31286.05
1,1,2,2-Tetrachloroethane	2.80	14.00
1,1,2-Trichloroethane	4.45	22.86
1,1-Dichloroethane	6.53	33.51
1,1-Dichloroethene	196.80	824.71
1,2,4-Trichlorobenzene	36.17	151.58
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75
1,2-Dichlorobenzene	2675.31	11210.83
1,2-Dichloroethane	1.95	9.74
1,2-Dichloropropane	2.08	10.41
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2.23	11.16
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31
2-Hexanone	8135.84	34118.05
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31
Acetone	22363547.42	97840519.95
Benzene	1.37	7.05
Bromodichloromethane	0.76	3.81
Bromoform	-	-
Bromomethane (Methyl bromide)	17.33	73.31
Carbon disulfide	1239.99	5265.69
Carbon tetrachloride	0.36	1.77
Chlorobenzene	408.98	1730.29
Chloroethane	22036.04	96958.56
Chloroform (Trichloromethane)	0.73	3.53
Chloromethane (Methyl chloride)	260.68	1081.56
cis-1,2-Dichloroethene	-	-
cis-1,3-Dichloropropene	-	-
Cyclohexane	1027.32	4239.73
Dibromochloromethane	2.81	14.06
Dichlorodifluoromethane (CFC-12)	7.13	31.38
Ethylbenzene	3.01	15.21
Isopropyl benzene	893.32	3828.52
Methyl acetate	-	-
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	391.69	1958.46
Methylene chloride	722.51	9031.38
Naphthalene	4.00	20.01
Styrene	8894.54	39135.98
Tetrachloroethene	12.99	64.95
Toluene	19155.42	81042.17
trans-1,2-Dichloroethene	377.69	1558.73
trans-1,3-Dichloropropene	-	-
Trichloroethene	1.07	7.45

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25
Vinyl chloride	0.14	2.46
Xylenes (total)	472.20	2077.68
Metals		
Aluminum (dissolved)	-	-
Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
Barium (dissolved)	-	-
Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05

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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

Parameter	***Protection of Residential IA c***	***Protection of Industrial IA d***
Volatile Organic Compounds		
1,1,1-Trichloroethane	7394.88	31286.05
1,1,2,2-Tetrachloroethane	2.80	14.00
1,1,2-Trichloroethane	4.45	22.86
1,1-Dichloroethane	6.53	33.51
1,1-Dichloroethene	196.80	824.71
1,2,4-Trichlorobenzene	36.17	151.58
1,2-Dibromo-3-chloropropane (DBCP)	0.03	0.33
1,2-Dibromoethane (Ethylene dibromide)	0.15	0.75
1,2-Dichlorobenzene	2675.31	11210.83
1,2-Dichloroethane	1.95	9.74
1,2-Dichloropropane	2.08	10.41
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2.23	11.16
2-Butanone (Methyl ethyl ketone) (MEK)	2235405.38	9457484.31
2-Hexanone	8135.84	34118.05
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	549460.29	2304188.31
Acetone	22363547.42	97840519.95
Benzene	1.37	7.05
Bromodichloromethane	0.76	3.81
Bromoform	-	-
Bromomethane (Methyl bromide)	17.33	73.31
Carbon disulfide	1239.99	5265.69
Carbon tetrachloride	0.36	1.77
Chlorobenzene	408.98	1730.29
Chloroethane	22036.04	96958.56
Chloroform (Trichloromethane)	0.73	3.53
Chloromethane (Methyl chloride)	260.68	1081.56
cis-1,2-Dichloroethene	-	-
cis-1,3-Dichloropropene	-	-
Cyclohexane	1027.32	4239.73
Dibromochloromethane	2.81	14.06
Dichlorodifluoromethane (CFC-12)	7.13	31.38
Ethylbenzene	3.01	15.21
Isopropyl benzene	893.32	3828.52
Methyl acetate	-	-
Methyl cyclohexane	-	-
Methyl tert butyl ether (MTBE)	391.69	1958.46
Methylene chloride	722.51	9031.38
Naphthalene	4.00	20.01
Styrene	8894.54	39135.98
Tetrachloroethene	12.99	64.95
Toluene	19155.42	81042.17
trans-1,2-Dichloroethene	377.69	1558.73
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SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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Metals		
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Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
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Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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Sample Date:
Sample Depth:

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Cyclohexane	1027.32	4239.73
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Methyl acetate	-	-
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Methyl tert butyl ether (MTBE)	391.69	1958.46
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Naphthalene	4.00	20.01
Styrene	8894.54	39135.98
Tetrachloroethene	12.99	64.95
Toluene	19155.42	81042.17
trans-1,2-Dichloroethene	377.69	1558.73
trans-1,3-Dichloropropene	-	-
Trichloroethene	1.07	7.45

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Trichlorofluoromethane (CFC-11)	184.08	781.71
Trifluorotrichloroethane (Freon 113)	1441.56	6045.25
Vinyl chloride	0.14	2.46
Xylenes (total)	472.20	2077.68
Metals		
Aluminum (dissolved)	-	-
Antimony (dissolved)	-	-
Arsenic (dissolved)	-	-
Barium (dissolved)	-	-
Beryllium (dissolved)	-	-
Cadmium (dissolved)	-	-
Calcium (dissolved)	-	-
Chromium (dissolved)	-	-
Cobalt (dissolved)	-	-
Copper (dissolved)	-	-
Iron (dissolved)	-	-
Lead (dissolved)	-	-
Magnesium (dissolved)	-	-
Manganese (dissolved)	-	-
Mercury (dissolved)	0.66	2.78
Nickel (dissolved)	-	-
Potassium (dissolved)	-	-
Selenium (dissolved)	-	-
Silver (dissolved)	-	-
Sodium (dissolved)	-	-
Thallium (dissolved)	-	-
Vanadium (dissolved)	-	-
Zinc (dissolved)	-	-
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	0.14	0.70
Aroclor-1232 (PCB-1232)	0.14	0.70
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-
Petroleum Hydrocarbons		
Total Petroleum Hydrocarbons (C10-C20)	1.37	7.05
Total Petroleum Hydrocarbons (C20-C34)	1.37	7.05

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TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

EPA-R5-2016-005983 Outlook0000008

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 62

SUMMARY OF PHASE 1A GROUNDWATER RESULTS COMPARED TO CONCENTRATIONS PROTECTIVE OF INDOOR AIR
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Notes:

All concentrations are expressed in units of micrograms per litre (µg/L) unless otherwise noted.

[1] - United States Environmental Protection Agency Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, November 2013

Groundwater concentrations protective of Indoor Air (IA) criteria were calculated from USEPA Residential and Industrial Indoor Air RSLs in accordance with the equation:

$C_{GW} = C_{IA}/(H \times \alpha \times 1000\ L/m^3)$,

where

C_{GW} = groundwater screening level (µg/L)

C_{IA} = target indoor air level (µg/m^3)

H = Henry's law constant (dimensionless)

α = groundwater attenuation factor (dimensionless)

where α = 0.001, in accordance with the medium-specific attenuation factor for residential buildings specified in the Draft OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air (April 2013)

- - Not applicable.

J - The parameter was positively identified; however, the associated parameter concentration is estimated.

U - The parameter was not detected. The associated numerical value is the sample quantitation limit.

UJ - The parameter was not detected. The associated numerical value is the estimated sample quantitation limit.

Value - The value was not detected at a reporting detection limit greater than applicable criteria.

[illegible] - Concentration was greater than applicable criteria.

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH30-13*	*BH31-13*	*BH31-13*	*BH31-13*	*BH32-13*	*BH33-13*	*BH33-13*	*BH34-13*	*BH34-13*
Sample ID:			*S-38443-070213-JT-087*	*S-38443-070113-JC-076*	*S-38443-070113-JC-077*	*S-38443-070113-JC-078*	*S-38443-070213-JC-079*	*S-38443-062613-JT-060*	*S-38443-062613-JT-061*	*S-38443-062713-JT-062*	*S-38443-062713-JT-063*
Sample Date:			*7/2/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/2/2013*	*6/26/2013*	*6/26/2013*	*6/27/2013*	*6/27/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*29.5-31.5 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*26.5-28.5 ft BGS*	*26.5-28.5 ft BGS*	*22-25 ft BGS*	*22-25 ft BGS*	*4-6 ft BGS*	*24.5-26.5 ft BGS*
					Duplicate				*Duplicate*		
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
1,1,2,2-Tetrachloroethane	560	2800	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U
1,1,2-Trichloroethane	1100	5300	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[a]	4200 U[a]	5.0 U	4.3 U
1,1-Dichloroethane	3300	17000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[a]	4200 U[a]	5.0 U	4.3 U
1,1-Dichloroethene	240000	1100000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
1,2,4-Trichlorobenzene	22000	99000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	9.0 U[a]	520 U[ab]	510 U[ab]	11 U[a]	11 U[a]	9600 UJ[ab]	8400 U[ab]	10 U[a]	8.6 U[a]
1,2-Dibromoethane (Ethylene dibromide)	34	170	4.5 U	260 U[ab]	250 U[ab]	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U
1,2-Dichlorobenzene	1900000	9800000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
1,2-Dichloroethane	430	2200	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U
1,2-Dichloropropane	940	4700	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[ab]	4200 U[a]	5.0 U	4.3 U
1,3-Dichlorobenzene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
1,4-Dichlorobenzene	2400	12000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[a]	4200 U[a]	5.0 U	4.3 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	18 U	49 J	60 J	3.0 J	7.3 J	19000 U	17000 U	15 J	1.8 J
2-Hexanone	210000	1400000	18 U	1000 U	1000 U	22 U	21 U	19000 U	17000 U	20 U	17 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	18 U	1000 U	1000 U	22 U	21 U	19000 U	17000 U	0.94 J	17 U
Acetone	61000000	630000000	18 U	1000 U	1000 U	22 U	25 U	28000	17000 U	83 U	17 U
Benzene	1100	5400	0.45 J	260 U	250 U	5.5 U	5.4 U	4800 U[a]	4200 U[a]	5.0 U	4.3 U
Bromodichloromethane	270	1400	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U
Bromoform	62000	220000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
Bromomethane (Methyl bromide)	7300	32000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 UJ	5.0 U	4.3 U
Carbon disulfide	820000	3700000	4.5 U	17 J	22 J	5.5 U	5.4 U	4800 U	4200 U	5.0 U	0.48 J
Carbon tetrachloride	610	3000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U
Chlorobenzene	290000	1400000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
Chloroethane	15000000	61000000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 UJ	5.0 U	4.3 U
Chloroform (Trichloromethane)	290	1500	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U
Chloromethane (Methyl chloride)	120000	500000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
cis-1,2-Dichloroethene	160000	2000000	4.5 U	260 U	250 U	5.5 U	5.4 U	98000	1000 J	1.2 J	4.3 U
cis-1,3-Dichloropropene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
Cyclohexane	7000000	29000000	0.46 J	520 U	510 U	11 U	11 U	9600 U	8400 U	1.8 J	8.6 U
Dibromochloromethane	680	3300	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U
Ethylbenzene	5400	27000	0.71 J	13 J	18 J	5.5 U	5.4 U	62000[ab]	25000[a]	6.9	4.3 U
Isopropyl benzene	2100000	11000000	4.5 U	51 J	73 J	5.5 U	5.4 U	6400	4300	7.3	4.3 U
Methyl acetate	78000000	1000000000	9.0 U	170 J	210 J	1.6 J	11 U	9600 U	8400 U	10 U	8.6 U
Methyl cyclohexane	-	-	0.87 J	520 U	16 J	11 U	11 U	1600 J	810 J	18	1.3 J

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	Methyl tert butyl ether (MTBE)	43000	220000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U
Methylene chloride	56000	960000	Methylene chloride	56000	960000	4.5 U	260 U	250 U	0.96 J	5.4 U	8800 U
Styrene	6300000	36000000	Styrene	6300000	36000000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U
Tetrachloroethene	22000	110000	Tetrachloroethene	22000	110000	0.50 J	43 J	37 J	5.5 U	5.4 U	4800 U
Toluene	5000000	45000000	Toluene	5000000	45000000	1.6 J	260 U	250 U	0.52 J	0.51 J	87000 J
trans-1,2-Dichloroethene	150000	690000	trans-1,2-Dichloroethene	150000	690000	4.5 U	260 U	250 U	5.5 U	5.4 U	270 J
trans-1,3-Dichloropropene	-	-	trans-1,3-Dichloropropene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U
Trichloroethene	910	6400	Trichloroethene	910	6400	4.7 J	260 U	250 U	5.5 U	5.4 U	5300 J[a]
Trichlorofluoromethane (CFC-11)	790000	3400000	Trichlorofluoromethane (CFC-11)	790000	3400000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	Trifluorotrichloroethane (Freon 113)	43000000	180000000	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U
Vinyl chloride	60	1700	Vinyl chloride	60	1700	4.5 U	260 U[a]	250 U[a]	5.5 U	5.4 U	380 J[a]
Xylenes (total)	630000	2700000	Xylenes (total)	630000	2700000	9.0 U	520 U	83 J	11 U	11 U	280000 J
PCBs			***PCBs***								
Aroclor-1016 (PCB-1016)	3900	21000	Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH33-13*	*BH34-13*	*BH34-13*	*BH35-13*	*BH36-13*	*BH36-13*	*BH37-13*	*BH38-13*	*BH38-13*
Sample ID:			*S-38443-062613-JT-061*	*S-38443-062713-JT-062*	*S-38443-062713-JT-063*	*S-38443-062813-JT-068*	*S-38443-070113-JT-082*	*S-38443-070113-JT-083*	*S-38443-070213-JT-086*	*S-38443-062713-JT-064*	*S-38443-062713-JT-065*
Sample Date:			*6/26/2013*	*6/27/2013*	*6/27/2013*	*6/28/2013*	*7/1/2013*	*7/1/2013*	*7/2/2013*	*6/27/2013*	*6/27/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*22-25 ft BGS*	*4-6 ft BGS*	*24.5-26.5 ft BGS*	*24.5-26.5 ft BGS*	*0-2 ft BGS*	*30-32 ft BGS*	*25-27 ft BGS*	*2-4 ft BGS*	*25.5-27.5 ft BGS*
			Duplicate								
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
1,1,2,2-Tetrachloroethane	560	2800	4200 U[ab]	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U[a]	3.9 U
1,1,2-Trichloroethane	1100	5300	4200 U[a]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
1,1-Dichloroethane	3300	17000	4200 U[a]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	280 J	3.9 U
1,1-Dichloroethene	240000	1100000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	49 J	3.9 U
1,2,4-Trichlorobenzene	22000	99000	4200 U	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	8400 U[ab]	10 U[a]	8.6 U[a]	R	9.8 U[a]	9.1 UJ[a]	8.7 U[a]	1100 U[ab]	7.8 U[a]
1,2-Dibromoethane (Ethylene dibromide)	34	170	4200 U[ab]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U[ab]	3.9 U
1,2-Dichlorobenzene	1900000	9800000	4200 U	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U
1,2-Dichloroethane	430	2200	4200 U[ab]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U[a]	3.9 U
1,2-Dichloropropane	940	4700	4200 U[a]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
1,3-Dichlorobenzene	-	-	4200 U	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U
1,4-Dichlorobenzene	2400	12000	4200 U[a]	5.0 U	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	17000 U	15 J	1.8 J	17 J	5.1 J	1.3 J	17 U	2300 U	2.2 J
2-Hexanone	210000	1400000	17000 U	20 U	17 U	36 UJ	20 U	18 U	17 U	2300 U	16 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	17000 U	0.94 J	17 U	36 UJ	0.90 J	18 U	17 U	2300 U	16 U
Acetone	61000000	630000000	17000 U	83 U	17 U	81 UJ	20 U	18 U	17 U	2300 U	20 U
Benzene	1100	5400	4200 U[a]	5.0 U	4.3 U	12 J	4.9 U	0.71 J	1.7 J	510 J	3.9 U
Bromodichloromethane	270	1400	4200 U[ab]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U[a]	3.9 U
Bromoform	62000	220000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Bromomethane (Methyl bromide)	7300	32000	4200 UJ	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Carbon disulfide	820000	3700000	4200 U	5.0 U	0.48 J	2.7 J	0.63 J	4.5 U	4.3 U	570 U	3.9 U
Carbon tetrachloride	610	3000	4200 U[ab]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Chlorobenzene	290000	1400000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	23 J	3.9 U
Chloroethane	15000000	61000000	4200 UJ	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Chloroform (Trichloromethane)	290	1500	4200 U[ab]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U[a]	3.9 U
Chloromethane (Methyl chloride)	120000	500000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
cis-1,2-Dichloroethene	160000	2000000	1000 J	1.2 J	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	1000	3.9 U
cis-1,3-Dichloropropene	-	-	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Cyclohexane	7000000	29000000	8400 U	1.8 J	8.6 U	18 UJ	9.8 U	1.4 J	2.4 J	600 J	7.8 U
Dibromochloromethane	680	3300	4200 U[ab]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Dichlorodifluoromethane (CFC-12)	94000	400000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Ethylbenzene	5400	27000	25000[a]	6.9	4.3 U	8.9 UJ	4.9 U	1.4 J	2.5 J	15000[a]	3.9 U
Isopropyl benzene	2100000	11000000	4300	7.3	4.3 U	8.9 UJ	4.9 U	4.5 U	0.55 J	280 J	3.9 U
Methyl acetate	78000000	1000000000	8400 U	10 U	8.6 U	18 UJ	9.8 U	9.1 U	8.7 U	240 J	7.8 U
Methyl cyclohexane	-	-	810 J	18	1.3 J	18 UJ	9.8 U	2.5 J	3.2 J	1100	7.8 U

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Methylene chloride	56000	960000	4900 U	5.0 UJ	6.8 UJ	21 UJ	4.9 U	5.8 UJ	4.3 U	740 UJ	5.7 UJ
Styrene	6300000	36000000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Tetrachloroethene	22000	110000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Toluene	5000000	45000000	8400 J	3.3 J	0.43 J	2.2 J	0.38 J	2.6 J	2.5 J	670	1.7 J
trans-1,2-Dichloroethene	150000	690000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	140 J	3.9 U
trans-1,3-Dichloropropene	-	-	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Trichloroethene	910	6400	4200 U[a]	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	1600 J[a]	3.9 U
Trichlorofluoromethane (CFC-11)	790000	3400000	4200 U	5.0 U	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	4200 U	5.0 UJ	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U
Vinyl chloride	60	1700	4200 U[ab]	5.0 U	4.3 U	2.1 J	4.9 U	4.5 U	4.3 U	200 J[a]	3.9 U
Xylenes (total)	630000	2700000	54000 J	27	8.6 U	18 UJ	9.8 U	2.7 J	4.6 J	14000	7.8 U
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-	-

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH39-13*	*BH40-13*	*BH40-13*	*BH42-13*	*BH42-13*	*BH42-13*	*BH43-13*	*BH44-13*	*BH44-13*
Sample ID:			*S-38443-070113-JC-075*	*S-38443-062813-JT-066*	*S-38443-062813-JT-067*	*S-38443-070113-JT-069*	*S-38443-070113-JT-080*	*S-38443-070113-JT-081*	*S-38443-070113-JC-074*	*S-38443-070113-JT-084*	*S-38443-070113-JT-085*
Sample Date:			*7/1/2013*	*6/28/2013*	*6/28/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/1/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*28-30 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*2-4 ft BGS*	*2-4 ft BGS*	*20-22 ft BGS*	*26.8-28.7 ft BGS*	*2-4 ft BGS*	*35.5-37.5 ft BGS*
					Duplicate		*Duplicate*				
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,1,2,2-Tetrachloroethane	560	2800	5.4 U	8.3 UJ	580 U[a]	3100 U[ab]	3000 U[ab]	260 U	4.3 U	230 U	550 U
1,1,2-Trichloroethane	1100	5300	5.4 U	8.3 U	580 U	3100 U[a]	3000 U[a]	260 U	4.3 U	230 U	550 U
1,1-Dichloroethane	3300	17000	5.4 U	8.3 U	580 U	3100 U	3000 U	71 J	4.3 U	230 U	550 U
1,1-Dichloroethene	240000	1100000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,2,4-Trichlorobenzene	22000	99000	5.4 U	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	11 U[a]	17 UJ[a]	1200 U[ab]	6300 U[ab]	6100 U[ab]	520 U[ab]	8.6 U[a]	450 U[ab]	1100 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	34	170	5.4 U	8.3 U	580 U[ab]	3100 U[ab]	3000 U[ab]	260 U[ab]	4.3 U	230 U[ab]	550 U[ab]
1,2-Dichlorobenzene	1900000	9800000	5.4 U	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,2-Dichloroethane	430	2200	5.4 U	8.3 U	580 U[a]	3100 U[ab]	3000 U[ab]	260 U	4.3 U	230 U	550 U[a]
1,2-Dichloropropane	940	4700	5.4 U	8.3 U	580 U	3100 U[a]	3000 U[a]	260 U	4.3 U	230 U	550 U
1,3-Dichlorobenzene	-	-	5.4 U	8.3 UJ	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
1,4-Dichlorobenzene	2400	12000	5.4 U	8.3 UJ	580 U	3100 U[a]	3000 U[a]	260 U	4.3 U	230 U	550 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	2.8 J	23 J	120 J	13000 U	12000 U	100 J	17 U	910 U	2200 U
2-Hexanone	210000	1400000	22 U	33 U	2300 U	13000 U	12000 U	1000 U	17 U	910 U	2200 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	0.73 J	33 U	2300 U	900 J	12000 U	1000 U	17 U	910 U	2200 U
Acetone	61000000	630000000	22 U	110 U	2300 U	13000 U	12000 U	1000 U	17 U	910 U	2200 U
Benzene	1100	5400	5.4 U	6.9 J	310 J	350 J	150 J	47 J	0.20 J	13 J	550 U
Bromodichloromethane	270	1400	5.4 U	8.3 U	580 U[a]	3100 U[ab]	3000 U[ab]	260 U	4.3 U	230 U	550 U[a]
Bromoform	62000	220000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Bromomethane (Methyl bromide)	7300	32000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Carbon disulfide	820000	3700000	5.4 U	1.0 J	580 U	3100 U	3000 U	97 J	4.3 U	230 U	550 U
Carbon tetrachloride	610	3000	5.4 U	8.3 U	580 U	3100 U[ab]	3000 U[a]	260 U	4.3 U	230 U	550 U
Chlorobenzene	290000	1400000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Chloroethane	15000000	61000000	5.4 U	8.3 U	580 U	3100 U	3000 U	91 J	4.3 U	230 U	550 U
Chloroform (Trichloromethane)	290	1500	5.4 U	8.3 U	580 U[a]	3100 U[ab]	3000 U[ab]	260 U	4.3 U	230 U	550 U[a]
Chloromethane (Methyl chloride)	120000	500000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
cis-1,2-Dichloroethene	160000	2000000	0.51 J	8.3 U	580 U	4000	1800 J	180 J	1.5 J	230 U	410 J
cis-1,3-Dichloropropene	-	-	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Cyclohexane	7000000	29000000	11 U	17 U	1200 U	6300 U	6100 U	520 U	8.6 U	450 U	1100 U
Dibromochloromethane	680	3300	5.4 U	8.3 U	580 U	3100 U[a]	3000 U[a]	260 U	4.3 U	230 U	550 U
Dichlorodifluoromethane (CFC-12)	94000	400000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Ethylbenzene	5400	27000	5.4 U	8.3 U	98 J	12000[a]	4300	470	4.3 U	8.6 J	67 J
Isopropyl benzene	2100000	11000000	5.4 U	8.3 U	100 J	2800 J	1100 J	180 J	4.3 U	230 U	450 J
Methyl acetate	78000000	1000000000	11 U	17 U	380 J	690 J	380 J	98 J	8.6 U	65 J	58 J
Methyl cyclohexane	-	-	11 U	1.2 J	44 J	3800 J	930 J	310 J	8.6 U	32 J	1300

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Methylene chloride	56000	960000	3.1 J	17 UJ	580 U	3100 U	3000 U	260 U	1.4 J	230 U	550 U
Styrene	6300000	36000000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Tetrachloroethene	22000	110000	5.4 U	8.3 U	580 U	320 J	3000 U	13 J	4.3 U	230 U	550 U
Toluene	5000000	45000000	0.31 J	2.6 J	270 J	12000	1800 J	490	0.58 J	39 J	86 J
trans-1,2-Dichloroethene	150000	690000	5.4 U	8.3 U	580 U	290 J	130 J	260 U	4.3 U	230 U	550 U
trans-1,3-Dichloropropene	-	-	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Trichloroethene	910	6400	5.4 U	8.3 U	580 U	3100 U[a]	3000 U[a]	260 U	4.3 U	230 U	550 U
Trichlorofluoromethane (CFC-11)	790000	3400000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	5.4 U	8.3 U	580 U	3100 U	3000 U	260 U	4.3 U	230 U	550 U
Vinyl chloride	60	1700	5.4 U	8.3 U	580 U[a]	3100 U[ab]	3000 U[ab]	21 J	4.3 U	230 U[a]	220 J[a]
Xylenes (total)	630000	2700000	11 U	17 U	380 J	27000	10000	950	8.6 U	450 U	1100 U
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-	-

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH44-13*	*BH44-13*	*BH51-13*	*BH51-13*	*BH52-13*	*BH52-13*	*BH53-13*	*BH53-13*	*BH54-13*
Sample ID:			*S-38443-070213-JT-084*	*S-38443-070213-JT-085*	*S-38443-062113-JT-027*	*S-38443-062113-JT-028*	*S-38443-061913-JC-014*	*S-38443-061913-JC-015*	*S-38443-061813-JT-001*	*S-38443-061813-JT-002*	*S-38443-061813-JT-003*
Sample Date:			*7/2/2013*	*7/2/2013*	*6/21/2013*	*6/21/2013*	*6/19/2013*	*6/19/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*2-4 ft BGS*	*35.5-37.5 ft BGS*	*0-2 ft BGS*	*19.3-21.3 ft BGS*	*21.8-23.8 ft BGS*	*21.8-23.8 ft BGS*	*0-2 ft BGS*	*19-21 ft BGS*	*4-6 ft BGS*
								Duplicate			
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,1,2,2-Tetrachloroethane	560	2800	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,1,2-Trichloroethane	1100	5300	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,1-Dichloroethane	3300	17000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,1-Dichloroethene	240000	1100000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,2,4-Trichlorobenzene	22000	99000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	-	-	700 U[ab]	11 U[a]	R	9.1 U[a]	9.0 U[a]	8.6 U[a]	11 UJ[a]
1,2-Dibromoethane (Ethylene dibromide)	34	170	-	-	350 U[ab]	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,2-Dichlorobenzene	1900000	9800000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,2-Dichloroethane	430	2200	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,2-Dichloropropane	940	4700	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,3-Dichlorobenzene	-	-	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
1,4-Dichlorobenzene	2400	12000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	-	-	1400 U	22 U	R	18 U	18 U	17 U	22 UJ
2-Hexanone	210000	1400000	-	-	1400 U	22 U	R	18 U	18 U	17 U	22 UJ
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	-	-	1400 U	22 U	R	18 U	18 U	17 U	22 UJ
Acetone	61000000	630000000	-	-	1400 U	22 U	25 UJ	18 U	18 U	17 U	22 UJ
Benzene	1100	5400	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Bromodichloromethane	270	1400	-	-	350 U[a]	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Bromoform	62000	220000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Bromomethane (Methyl bromide)	7300	32000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Carbon disulfide	820000	3700000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Carbon tetrachloride	610	3000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Chlorobenzene	290000	1400000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Chloroethane	15000000	61000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Chloroform (Trichloromethane)	290	1500	-	-	350 U[a]	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Chloromethane (Methyl chloride)	120000	500000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
cis-1,2-Dichloroethene	160000	2000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
cis-1,3-Dichloropropene	-	-	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Cyclohexane	7000000	29000000	-	-	700 U	11 U	R	9.1 U	9.0 U	8.6 U	11 UJ
Dibromochloromethane	680	3300	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Dichlorodifluoromethane (CFC-12)	94000	400000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Ethylbenzene	5400	27000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Isopropyl benzene	2100000	11000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Methyl acetate	78000000	1000000000	-	-	700 U	11 U	R	9.1 U	9.0 U	8.6 U	11 UJ
Methyl cyclohexane	-	-	-	-	75 J	0.39 J	R	9.1 U	9.0 U	8.6 U	11 UJ

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Methylene chloride	56000	960000	-	-	350 U	5.5 UJ	20 UJ	7.9 U	6.4 U	6.5 U	9.0 UJ
Styrene	6300000	36000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Tetrachloroethene	22000	110000	-	-	20 J	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Toluene	5000000	45000000	-	-	40 J	0.97 J	R	0.42 J	4.5 U	4.3 U	5.6 UJ
trans-1,2-Dichloroethene	150000	690000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
trans-1,3-Dichloropropene	-	-	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Trichloroethene	910	6400	-	-	4300[a]	1.6 J	R	0.52 J	1.5 J	10	8.4 J
Trichlorofluoromethane (CFC-11)	790000	3400000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Trifluorotrichloroethane (Freon 113)	43000000	180000000	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Vinyl chloride	60	1700	-	-	350 U[a]	5.5 U	R	4.5 U	4.5 U	4.3 U	5.6 UJ
Xylenes (total)	630000	2700000	-	-	140 J	11 U	R	9.1 U	9.0 U	8.6 U	11 UJ
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	35 U	36 U	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	35 U	36 U	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	35 U	36 U	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	53	36 U	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	35 U	36 U	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	35 U	36 U	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	58 J	36 U	-	-	-	-	-	-	-

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH54-13*	*BH55-13*	*BH55-13*	*BH56-13*	*BH57-13*	*BH58-13*	*BH58-13*	*BH59-13*	*BH59-13*
Sample ID:			*S-38443-061813-JT-004*	*S-38443-061813-JC-011*	*S-38443-061813-JC-012*	*S-38443-061813-JC-013*	*S-38443-061813-JT-005*	*S-38443-061913-JT-009*	*S-38443-061913-JT-010*	*S-38443-061913-JT-006*	*S-38443-061913-JT-007*
Sample Date:			*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/18/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/19/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*18.5-20.5 ft BGS*	*2-4 ft BGS*	*22.5-24.5 ft BGS*	*21-23 ft BGS*	*21-23 ft BGS*	*21.5-23.5 ft BGS*	*21.5-23.5 ft BGS*	*2-4 ft BGS*	*20.5-22.5 ft BGS*
									Duplicate		
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,1,2,2-Tetrachloroethane	560	2800	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,1,2-Trichloroethane	1100	5300	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,1-Dichloroethane	3300	17000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,1-Dichloroethene	240000	1100000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,2,4-Trichlorobenzene	22000	99000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	11 U[a]	R	9.7 U[a]	9.1 U[a]	10 U[a]	11 U[a]	11 U[a]	860 UJ[ab]	10 U[a]
1,2-Dibromoethane (Ethylene dibromide)	34	170	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[ab]	5.2 U
1,2-Dichlorobenzene	1900000	9800000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,2-Dichloroethane	430	2200	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,2-Dichloropropane	940	4700	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,3-Dichlorobenzene	-	-	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
1,4-Dichlorobenzene	2400	12000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	21 U	R	19 U	18 U	21 U	22 U	21 U	1700 U	21 U
2-Hexanone	210000	1400000	21 U	R	19 U	18 U	21 U	22 U	21 U	1700 U	21 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	21 U	R	19 U	18 U	21 U	22 U	21 U	1700 U	21 U
Acetone	61000000	630000000	21 U	130000 UJ	19 U	18 U	21 U	22 U	21 U	1700 U	21 U
Benzene	1100	5400	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Bromodichloromethane	270	1400	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[a]	5.2 U
Bromoform	62000	220000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Bromomethane (Methyl bromide)	7300	32000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Carbon disulfide	820000	3700000	5.4 U	R	4.8 U	4.5 U	5.2 U	0.78 J	5.3 U	430 U	5.2 U
Carbon tetrachloride	610	3000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Chlorobenzene	290000	1400000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Chloroethane	15000000	61000000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Chloroform (Trichloromethane)	290	1500	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[a]	5.2 U
Chloromethane (Methyl chloride)	120000	500000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
cis-1,2-Dichloroethene	160000	2000000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	230 J	5.2 U
cis-1,3-Dichloropropene	-	-	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Cyclohexane	7000000	29000000	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U	860 U	10 U
Dibromochloromethane	680	3300	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Dichlorodifluoromethane (CFC-12)	94000	400000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Ethylbenzene	5400	27000	5.4 U	260000 J[ab]	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Isopropyl benzene	2100000	11000000	5.4 U	57000 J	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Methyl acetate	78000000	1000000000	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U	860 U	10 U
Methyl cyclohexane	-	-	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U	860 U	10 U

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Methylene chloride	56000	960000	8.6 U	33000 UJ	9.6 U	6.9 U	9.3 U	11 U	8.9 U	430 U	8.9 U
Styrene	6300000	36000000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Tetrachloroethene	22000	110000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Toluene	5000000	45000000	5.4 U	95000 J	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	66 J	0.35 J
trans-1,2-Dichloroethene	150000	690000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
trans-1,3-Dichloropropene	-	-	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Trichloroethene	910	6400	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	2500*	0.83 J
Trichlorofluoromethane (CFC-11)	790000	3400000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U
Vinyl chloride	60	1700	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U*	5.2 U
Xylenes (total)	630000	2700000	11 U	2000000 J*	9.7 U	9.1 U	10 U	11 U	11 U	860 U	10 U
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	34 U	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	34 U	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	34 U	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	34 U	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	34 U	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	34 U	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	34 U	-	-	-	-

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH60-13*	*BH61-13*	*BH62-13*	*BH63-13*	*BH64-13*	*BH65-13*	*BH66-13*	*BH66-13*	*BH67-13*
Sample ID:			*S-38443-061913-JT-021*	*S-38443-061913-JC-019*	*S-38443-061913-JT-008*	*S-38443-062013-JC-020*	*S-38443-061913-JC-016*	*S-38443-062013-JC-031*	*S-38443-062613-JC-054*	*S-38443-062613-JC-055*	*S-38443-062013-JC-032*
Sample Date:			*6/19/2013*	*6/19/2013*	*6/19/2013*	*6/20/2013*	*6/19/2013*	*6/20/2013*	*6/26/2013*	*6/26/2013*	*6/20/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*20-22 ft BGS*	*21.2-23.2 ft BGS*	*21.5-23.5 ft BGS*	*23-25 ft BGS*	*22-24 ft BGS*	*22.1-24.1 ft BGS*	*10-12 ft BGS*	*22-24 ft BGS*	*7-9 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
1,1,2,2-Tetrachloroethane	560	2800	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]
1,1,2-Trichloroethane	1100	5300	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[a]
1,1-Dichloroethane	3300	17000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	1.1 J	11000 U[a]	5.8 U	3600 U[a]
1,1-Dichloroethene	240000	1100000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
1,2,4-Trichlorobenzene	22000	99000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	210 J
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	11 U[a]	8.6 U[a]	10 U[a]	9.5 U[a]	8.1 U[a]	10 U[a]	23000 UJ[ab]	12 UJ[a]	7200 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	34	170	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]
1,2-Dichlorobenzene	1900000	9800000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
1,2-Dichloroethane	430	2200	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]
1,2-Dichloropropane	940	4700	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[a]
1,3-Dichlorobenzene	-	-	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	170 J
1,4-Dichlorobenzene	2400	12000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[a]	5.8 U	3600 U[a]
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	22 U	17 U	1.9 J	5.1 J	16 U	20 U	46000 U	2.4 J	14000 U
2-Hexanone	210000	1400000	22 U	17 U	20 U	19 U	16 U	20 U	46000 U	23 U	14000 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	22 U	17 U	20 U	19 U	16 U	20 U	46000 U	23 U	14000 U
Acetone	61000000	630000000	22 U	17 U	21 U	33 U	16 U	20 U	46000 U	23 U	4500 J
Benzene	1100	5400	5.6 U	4.3 U	5.0 U	0.22 J	4.1 U	0.38 J	11000 U[ab]	5.8 U	3600 U[a]
Bromodichloromethane	270	1400	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]
Bromoform	62000	220000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
Bromomethane (Methyl bromide)	7300	32000	5.6 U	4.3 UJ	5.0 U	4.7 UJ	4.1 U	5.1 UJ	11000 U[a]	5.8 U	3600 UJ
Carbon disulfide	820000	3700000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	1.4 J	3600 U
Carbon tetrachloride	610	3000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]
Chlorobenzene	290000	1400000	5.6 U	4.3 U	0.39 J	2.0 J	4.1 U	5.1 U	1000 J	2.9 J	320 J
Chloroethane	15000000	61000000	5.6 U	4.3 UJ	5.0 U	4.7 UJ	4.1 U	5.1 UJ	11000 U	5.8 U	3600 UJ
Chloroform (Trichloromethane)	290	1500	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]
Chloromethane (Methyl chloride)	120000	500000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
cis-1,2-Dichloroethene	160000	2000000	5.6 U	4.3 U	0.64 J	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	890 J
cis-1,3-Dichloropropene	-	-	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
Cyclohexane	7000000	29000000	11 U	8.6 U	10 U	9.5 U	8.1 U	0.38 J	23000 U	12 U	7200 U
Dibromochloromethane	680	3300	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]
Dichlorodifluoromethane (CFC-12)	94000	400000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
Ethylbenzene	5400	27000	5.6 U	0.28 J	0.35 J	4.7 U	4.1 U	0.47 J	56000[ab]	1.1 J	59000[ab]
Isopropyl benzene	2100000	11000000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	13000	5.8 U	3600
Methyl acetate	78000000	1000000000	11 U	8.6 U	10 U	9.5 U	8.1 U	10 U	23000 U	12 U	650 J
Methyl cyclohexane	-	-	11 U	8.6 U	10 U	0.33 J	8.1 U	0.67 J	53000	0.78 J	790 J

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
Methylene chloride	56000	960000	7.0 U	15 J	8.1 U	4.4 J	5.9 U	5.0 J	20000 U	11 U	4000
Styrene	6300000	36000000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
Tetrachloroethene	22000	110000	5.6 U	1.0 J	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
Toluene	5000000	45000000	5.6 U	0.63 J	0.94 J	0.56 J	0.40 J	1.3 J	11000 U	2.0 J	1400 J
trans-1,2-Dichloroethene	150000	690000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
trans-1,3-Dichloropropene	-	-	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
Trichloroethene	910	6400	5.6 U	0.37 J	5.0 U	4.7 U	1.4 J	5.1 U	11000 U[ab]	5.8 U	1800 J[a]
Trichlorofluoromethane (CFC-11)	790000	3400000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U
Vinyl chloride	60	1700	5.6 U	4.3 U	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]
Xylenes (total)	630000	2700000	11 U	8.6 U	10 U	9.5 U	8.1 U	10 U	140000	2.9 J	73000
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	-	34 U	35 U	-	-	35 U	75 U	40 U	2000 U
Aroclor-1221 (PCB-1221)	140	540	-	34 U	35 U	-	-	35 U	75 U	40 U	2000 U[ab]
Aroclor-1232 (PCB-1232)	140	540	-	34 U	35 U	-	-	35 U	75 U	40 U	2000 U[ab]
Aroclor-1242 (PCB-1242)	220	740	-	34 U	35 U	-	-	35 U	380[a]	40 U	2000 U[ab]
Aroclor-1248 (PCB-1248)	220	740	-	34 U	35 U	-	-	35 U	75 U	40 U	2000 U[ab]
Aroclor-1254 (PCB-1254)	220	740	-	34 U	35 U	-	-	35 U	300 NJ[a]	40 UJ	16000[ab]
Aroclor-1260 (PCB-1260)	220	740	-	34 U	35 U	-	-	35 U	75 UJ	40 UJ	2000 U[ab]

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH67-13*	*BH68-13*	*BH68-13*	*BH69-13*	*BH69-13*	*BH70-13*	*BH71-13*	*BH72-13*	*BH73-13*
Sample ID:			*S-38443-062013-JC-033*	*S-38443-061913-JC-017*	*S-38443-061913-JC-018*	*S-38443-062113-JC-035*	*S-38443-062113-JC-036*	*S-38443-062113-JC-034*	*S-38443-062013-JT-025*	*S-38443-062013-JT-026*	*S-38443-062013-JT-024*
Sample Date:			*6/20/2013*	*6/19/2013*	*6/19/2013*	*6/21/2013*	*6/21/2013*	*6/21/2013*	*6/20/2013*	*6/20/2013*	*6/20/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*21-23 ft BGS*	*0.5-2.5 ft BGS*	*21.5-23.5 ft BGS*	*21-23 ft BGS*	*21-23 ft BGS*	*19-20 ft BGS*	*21.5-23.5 ft BGS*	*18.75-20.75 ft BGS*	*18.5-20.5 ft BGS*
							Duplicate				
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,1,2,2-Tetrachloroethane	560	2800	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,1,2-Trichloroethane	1100	5300	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,1-Dichloroethane	3300	17000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,1-Dichloroethene	240000	1100000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,2,4-Trichlorobenzene	22000	99000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	10 U[a]	540 U[ab]	8.6 U[a]	9.4 U[a]	8.8 U[a]	11 U[a]	11 U[a]	9.5 U[a]	11 U[a]
1,2-Dibromoethane (Ethylene dibromide)	34	170	5.0 U	270 U[ab]	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,2-Dichlorobenzene	1900000	9800000	5.0 U	270 U	1.1 J	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,2-Dichloroethane	430	2200	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,2-Dichloropropane	940	4700	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,3-Dichlorobenzene	-	-	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
1,4-Dichlorobenzene	2400	12000	5.0 U	270 U	1.7 J	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	20 U	1100 U	17 U	19 U	18 U	21 U	22 U	19 U	22 U
2-Hexanone	210000	1400000	20 U	1100 U	17 U	19 U	18 U	21 U	22 U	19 U	22 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	20 U	1100 U	1.5 J	19 U	18 U	21 U	22 U	19 U	22 U
Acetone	61000000	630000000	20 U	1100 U	21 U	19 U	18 U	21 U	22 U	36 U	22 U
Benzene	1100	5400	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	0.88 J	5.6 U
Bromodichloromethane	270	1400	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Bromoform	62000	220000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Bromomethane (Methyl bromide)	7300	32000	5.0 U	270 U	4.3 UJ	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 UJ
Carbon disulfide	820000	3700000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	0.72 J	5.6 U
Carbon tetrachloride	610	3000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Chlorobenzene	290000	1400000	0.49 J	270 U	0.87 J	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Chloroethane	15000000	61000000	5.0 U	270 U	4.3 UJ	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 UJ
Chloroform (Trichloromethane)	290	1500	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Chloromethane (Methyl chloride)	120000	500000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
cis-1,2-Dichloroethene	160000	2000000	2.0 J	270 U	4.3 U	6.7	2.2 J	0.39 J	5.5 U	34	5.6 U
cis-1,3-Dichloropropene	-	-	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Cyclohexane	7000000	29000000	10 U	540 U	8.6 U	9.4 U	8.8 U	11 U	11 U	2.3 J	11 U
Dibromochloromethane	680	3300	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Dichlorodifluoromethane (CFC-12)	94000	400000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Ethylbenzene	5400	27000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	1.8 J	0.35 J
Isopropyl benzene	2100000	11000000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Methyl acetate	78000000	1000000000	10 U	150 J	8.6 U	9.4 U	8.8 U	11 U	11 U	9.5 U	11 U
Methyl cyclohexane	-	-	10 U	37 J	8.6 U	9.4 U	8.8 U	11 U	11 U	2.8 J	11 U

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Methylene chloride	56000	960000	6.3 UJ	270 U	11 J	4.9 UJ	7.6 UJ	5.3 UJ	5.5 UJ	4.8 UJ	8.8 J
Styrene	6300000	36000000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Tetrachloroethene	22000	110000	5.0 U	270 U	4.3 U	3.9 J	1.2 J	1.2 J	5.5 U	3.1 J	5.6 U
Toluene	5000000	45000000	0.86 J	24 J	0.39 J	0.46 J	4.4 U	0.53 J	0.69 J	3.5 J	0.65 J
trans-1,2-Dichloroethene	150000	690000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
trans-1,3-Dichloropropene	-	-	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Trichloroethene	910	6400	1.9 J	180 J	4.3 U	25	9.0	110	3.6 J	80	5.6 U
Trichlorofluoromethane (CFC-11)	790000	3400000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	5.0 U	270 U	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Vinyl chloride	60	1700	5.0 U	270 U[a]	4.3 U	4.7 U	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U
Xylenes (total)	630000	2700000	10 U	110 J	8.6 U	9.4 U	8.8 U	11 U	11 U	3.3 J	11 U
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	39 U	-	-	35 U	36 U	-	-	-	35 U
Aroclor-1221 (PCB-1221)	140	540	39 U	-	-	35 U	36 U	-	-	-	35 U
Aroclor-1232 (PCB-1232)	140	540	39 U	-	-	35 U	36 U	-	-	-	35 U
Aroclor-1242 (PCB-1242)	220	740	44	-	-	35 U	36 U	-	-	-	35 U
Aroclor-1248 (PCB-1248)	220	740	39 U	-	-	35 U	36 U	-	-	-	35 U
Aroclor-1254 (PCB-1254)	220	740	290[a]	-	-	35 U	36 U	-	-	-	35 U
Aroclor-1260 (PCB-1260)	220	740	39 U	-	-	35 U	36 U	-	-	-	35 U

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH74-13*	*BH74-13*	*BH75-13*	*BH75-13*	*BH76-13*	*BH76-13*	*BH77-13*	*BH78-13*	*BH78-13*
Sample ID:			*S-38443-062013-JT-022*	*S-38443-062013-JT-023*	*S-38443-062513-JT-045*	*S-38443-062513-JT-046*	*S-38443-062513-JC-052*	*S-38443-062513-JC-053*	*S-38443-062513-JT-047*	*S-38443-062513-JT-043*	*S-38443-062513-JT-044*
Sample Date:			*6/20/2013*	*6/20/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*	*6/25/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*0-2 ft BGS*	*19-21 ft BGS*	*0-2 ft BGS*	*20-22 ft BGS*	*8-10 ft BGS*	*18-20 ft BGS*	*20-22 ft BGS*	*20-22 ft BGS*	*20-22 ft BGS*
											Duplicate
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
1,1,2,2-Tetrachloroethane	560	2800	6.5 U	5.6 U	970 U[a]	4.5 U	260 U	11 UJ	290 U	4.7 U	4.0 U
1,1,2-Trichloroethane	1100	5300	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
1,1-Dichloroethane	3300	17000	6.5 U	5.6 U	560 J	4.5 U	260 U	1.3 J	290 U	4.7 U	4.0 U
1,1-Dichloroethene	240000	1100000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
1,2,4-Trichlorobenzene	22000	99000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 UJ	130 J	4.7 U	4.0 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	13 U[a]	11 U[a]	1900 U[ab]	9.0 U[a]	520 U[ab]	23 UJ[a]	580 U[ab]	9.5 U[a]	8.0 U[a]
1,2-Dibromoethane (Ethylene dibromide)	34	170	6.5 U	5.6 U	970 U[ab]	4.5 U	260 U[ab]	11 U	290 U[ab]	4.7 U	4.0 U
1,2-Dichlorobenzene	1900000	9800000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 UJ	290 U	4.7 U	4.0 U
1,2-Dichloroethane	430	2200	6.5 U	5.6 U	970 U[a]	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
1,2-Dichloropropane	940	4700	6.5 U	5.6 U	970 U[a]	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
1,3-Dichlorobenzene	-	-	6.5 U	5.6 U	970 U	4.5 U	260 U	11 UJ	180 J	4.7 U	4.0 U
1,4-Dichlorobenzene	2400	12000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 UJ	2900[a]	4.7 U	4.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	26 U	22 U	3900 U	3.8 J	1000 U	45 U	1200 U	3.8 J	3.8 J
2-Hexanone	210000	1400000	26 U	22 U	3900 U	18 U	1000 U	45 U	1200 U	19 U	16 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	26 U	22 U	3900 U	1.0 J	100 J	45 U	1200 U	0.64 J	16 U
Acetone	61000000	630000000	26 U	22 U	6300 U	26 UJ	1400 U	61 UJ	1900 U	24 UJ	26 UJ
Benzene	1100	5400	6.5 U	5.6 U	200 J	0.78 J	260 U	11 U	320	0.23 J	1.3 J
Bromodichloromethane	270	1400	6.5 U	5.6 U	970 U[a]	4.5 U	260 U	11 U	290 U[a]	4.7 U	4.0 U
Bromoform	62000	220000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Bromomethane (Methyl bromide)	7300	32000	6.5 UJ	5.6 UJ	970 UJ	4.5 UJ	260 UJ	11 UJ	290 UJ	4.7 UJ	4.0 UJ
Carbon disulfide	820000	3700000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	0.47 J	0.93 J
Carbon tetrachloride	610	3000	6.5 U	5.6 U	970 U[a]	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Chlorobenzene	290000	1400000	6.5 U	5.6 U	630 J	2.7 J	260 U	11 U	1400	4.7 U	0.37 J
Chloroethane	15000000	61000000	6.5 UJ	5.6 UJ	970 UJ	4.5 UJ	260 UJ	63 J	290 UJ	4.7 UJ	4.0 UJ
Chloroform (Trichloromethane)	290	1500	0.40 J	5.6 U	970 U[a]	4.5 U	260 U	11 U	290 U	4.7 U	0.25 J
Chloromethane (Methyl chloride)	120000	500000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
cis-1,2-Dichloroethene	160000	2000000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
cis-1,3-Dichloropropene	-	-	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Cyclohexane	7000000	29000000	13 U	11 U	1900 U	0.38 J	520 U	23 U	580 U	9.5 U	0.50 J
Dibromochloromethane	680	3300	6.5 U	5.6 U	970 U[a]	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Dichlorodifluoromethane (CFC-12)	94000	400000	6.5 U	5.6 U	R	4.5 U	R	11 U	R	4.7 U	4.0 U
Ethylbenzene	5400	27000	6.5 U	5.6 U	1400	0.34 J	38 J	11 U	54 J	0.57 J	0.45 J
Isopropyl benzene	2100000	11000000	6.5 U	5.6 U	790 J	4.5 U	18 J	11 U	1000	0.34 J	0.46 J
Methyl acetate	78000000	1000000000	13 U	11 U	110 J	9.0 U	68 J	23 U	230 J	9.5 U	8.0 U
Methyl cyclohexane	-	-	13 U	11 U	530 J	1.3 J	520 U	23 U	970	9.5 U	1.2 J

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	6.5 U	5.6 U	970 U	4.5 U	260 U	2.0 J	290 U	4.7 U	4.0 U
Methylene chloride	56000	960000	8.9 J	7.4 J	3100 U	14 J	870 U	33 J	960 U	13 J	13 J
Styrene	6300000	36000000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Tetrachloroethene	22000	110000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Toluene	5000000	45000000	6.5 U	0.47 J	1500	0.67 J	31 J	11 U	76 J	0.76 J	1.0 J
trans-1,2-Dichloroethene	150000	690000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
trans-1,3-Dichloropropene	-	-	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Trichloroethene	910	6400	3.3 J	0.71 J	130 J	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Trichlorofluoromethane (CFC-11)	790000	3400000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U	4.7 U	4.0 U
Vinyl chloride	60	1700	6.5 U	5.6 U	970 U*	4.5 U	260 U*	11 U	290 U*	4.7 U	4.0 U
Xylenes (total)	630000	2700000	13 U	11 U	8100	9.0 U	130 J	23 U	280 J	1.6 J	1.7 J
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-	-

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH79-13*	*BH79-13*	*BH80-13*	*BH81-13*	*BH81-13*	*BH82-13*	*BH83-13*	*BH83-13*	*BH84-13*
Sample ID:			*S-38443-062613-JC-056*	*S-38443-062613-JC-057*	*S-38443-062413-SM-042*	*S-38443-062613-JC-070*	*S-38443-062613-JC-071*	*S-38443-062413-JC-039*	*S-38443-062413-SM-030*	*S-38443-062413-SM-041*	*S-38443-062613-JT-048*
Sample Date:			*6/26/2013*	*6/26/2013*	*6/24/2013*	*6/26/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*6/24/2013*	*6/26/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*4-6 ft BGS*	*21-23 ft BGS*	*22.5-24.5 ft BGS*	*15-17 ft BGS*	*22-24 ft BGS*	*19-21 ft BGS*	*5-7.5 ft BGS*	*20.2-22.2 ft BGS*	*2-4 ft BGS*
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
1,1,2,2-Tetrachloroethane	560	2800	280 U	R	5.0 U	600 U[a]	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U
1,1,2-Trichloroethane	1100	5300	280 U	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
1,1-Dichloroethane	3300	17000	280 U	4.3 U	5.0 U	77 J	5.2 U	14 UJ	5.3 U	6.4 U	1.9 J
1,1-Dichloroethene	240000	1100000	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
1,2,4-Trichlorobenzene	22000	99000	280 U	R	5.0 U	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	560 U[ab]	R	10 U[a]	1200 U[ab]	10 UJ[a]	R	11 UJ[a]	13 UJ[a]	9.8 UJ[a]
1,2-Dibromoethane (Ethylene dibromide)	34	170	280 U[ab]	4.3 U	5.0 U	600 U[ab]	5.2 U	R	5.3 U	6.4 U	4.9 U
1,2-Dichlorobenzene	1900000	9800000	280 U	6.9 J	5.0 U	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U
1,2-Dichloroethane	430	2200	280 U	4.3 U	5.0 U	600 U[a]	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
1,2-Dichloropropane	940	4700	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
1,3-Dichlorobenzene	-	-	23 J	1.7 J	5.0 U	600 U	5.2 U	4.0 J	5.3 UJ	6.4 UJ	4.9 U
1,4-Dichlorobenzene	2400	12000	280 U	18 J	5.0 U	600 U	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	1100 U	3.7 J	5.3 J	2400 U	4.4 J	19 J	9.8 J	16 J	6.1 J
2-Hexanone	210000	1400000	1100 U	17 U	20 U	2400 U	21 U	R	21 U	26 U	20 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	1100 U	17 U	20 U	2400 U	21 U	56 J	21 U	26 U	20 U
Acetone	61000000	630000000	1100 U	27 U	38 U	2400 U	28 U	210 UJ	94 U	81 U	39 U
Benzene	1100	5400	280 U	4.3 U	0.25 J	38 J	0.62 J	14 UJ	0.32 J	1.6 J	4.9 U
Bromodichloromethane	270	1400	280 U[a]	4.3 U	5.0 U	600 U[a]	5.2 U	R	5.3 U	6.4 U	4.9 U
Bromoform	62000	220000	280 U	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Bromomethane (Methyl bromide)	7300	32000	280 UJ	4.3 U	5.0 UJ	600 UJ	5.2 U	14 UJ	5.3 UJ	6.4 UJ	4.9 U
Carbon disulfide	820000	3700000	18 J	1.4 J	5.0 U	600 U	2.4 J	2.9 J	2.8 J	0.58 J	4.9 U
Carbon tetrachloride	610	3000	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Chlorobenzene	290000	1400000	280 U	56	0.39 J	600 U	12	R	5.3 U	2.1 J	1.4 J
Chloroethane	15000000	61000000	280 UJ	4.3 U	5.0 UJ	600 UJ	5.2 U	14 UJ	5.3 UJ	6.4 UJ	4.9 U
Chloroform (Trichloromethane)	290	1500	280 U	4.3 U	5.0 U	600 U[a]	5.2 U	14 UJ	0.34 J	6.4 U	4.9 U
Chloromethane (Methyl chloride)	120000	500000	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
cis-1,2-Dichloroethene	160000	2000000	280 U	4.3 U	5.0 U	580 J	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
cis-1,3-Dichloropropene	-	-	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Cyclohexane	7000000	29000000	560 U	1.5 J	10 U	1200 U	2.0 J	27 UJ	11 U	1.1 J	9.8 U
Dibromochloromethane	680	3300	280 U	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Dichlorodifluoromethane (CFC-12)	94000	400000	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Ethylbenzene	5400	27000	93 J	0.69 J	5.0 U	5300	1.6 J	R	1.4 J	6.4 U	0.95 J
Isopropyl benzene	2100000	11000000	88 J	0.71 J	5.0 U	330 J	4.9 J	R	5.3 U	6.4 U	4.9 U
Methyl acetate	78000000	1000000000	190 J	8.7 U	10 U	230 J	10 U	27 UJ	11 U	13 U	9.8 U
Methyl cyclohexane	-	-	75 J	2.8 J	10 U	200 J	1.5 J	1.5 J	11 U	2.7 J	9.8 U

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Methylene chloride	56000	960000	310 U	9.3 U	13 U	600 U	12 U	160 UJ	16 U	21 U	7.7 U
Styrene	6300000	36000000	280 U	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Tetrachloroethene	22000	110000	280 U	1.2 J	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Toluene	5000000	45000000	100 J	1.8 J	5.0 U	390 J	1.7 J	R	5.3 U	6.4 U	4.9 U
trans-1,2-Dichloroethene	150000	690000	280 U	4.3 U	5.0 U	46 J	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
trans-1,3-Dichloropropene	-	-	280 U	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Trichloroethene	910	6400	280 U	4.3 U	5.0 U	1200 J[a]	2.1 J	14 UJ	5.3 U	6.4 U	4.9 U
Trichlorofluoromethane (CFC-11)	790000	3400000	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Vinyl chloride	60	1700	280 U[a]	4.3 U	5.0 U	50 J	5.2 U	59 J	5.3 U	6.4 U	1.7 J
Xylenes (total)	630000	2700000	200 J	1.9 J	10 U	7200	6.4 J	R	11 U	4.0 J	1.2 J
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-	-

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH84-13*	*BH85-13*	*BH85-13*	*BH86-13*	*BH87-13*	*BH87-13*	*BH88-13*	*BH89-13*	*BH90-13*
Sample ID:			*S-38443-062613-JT-049*	*S-38443-062513-JC-040*	*S-38443-062513-JC-051*	*S-38443-062413-JC-038*	*S-38443-062613-JC-058*	*S-38443-062613-JC-059*	*S-38443-062413-JC-037*	*S-38443-062413-SM-029*	*S-38443-070813-JL-088*
Sample Date:			*6/26/2013*	*6/25/2013*	*6/25/2013*	*6/24/2013*	*6/26/2013*	*6/26/2013*	*6/24/2013*	*6/24/2013*	*7/8/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*19-21 ft BGS*	*8-10 ft BGS*	*18-20 ft BGS*	*22.5-24.5 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*26.5-28.5 ft BGS*
								Duplicate			
Parameter	*Residential Soil*	*Industrial Soil*									
	a	*b*									
Volatile Organic Compounds											
1,1,1-Trichloroethane	8700000	38000000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	1500
1,1,2,2-Tetrachloroethane	560	2800	5.2 U	460 U	4.6 U	5.1 U	430 U	R	R	5.3 U	390 U
1,1,2-Trichloroethane	1100	5300	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	45 J
1,1-Dichloroethane	3300	17000	5.2 U	460 U	4.6 U	5.1 U	430 U	17 J	12 U	5.3 U	720
1,1-Dichloroethene	240000	1100000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	79 J
1,2,4-Trichlorobenzene	22000	99000	5.2 U	460 U	4.6 U	5.1 U	430 U	R	R	5.3 U	390 U
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	10 UJ[a]	910 U[ab]	9.3 U[a]	10 U[a]	870 UJ[ab]	R	R	11 U[a]	780 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	34	170	5.2 U	460 U[ab]	4.6 U	5.1 U	430 U[ab]	11 UJ	12 U	5.3 U	390 U[ab]
1,2-Dichlorobenzene	1900000	9800000	5.2 U	460 U	4.6 U	5.1 U	430 U	R	R	5.3 U	390 U
1,2-Dichloroethane	430	2200	5.2 U	460 U[a]	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U
1,2-Dichloropropane	940	4700	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U
1,3-Dichlorobenzene	-	-	5.2 U	460 U	4.6 U	5.1 U	430 U	R	0.89 J	5.3 U	390 U
1,4-Dichlorobenzene	2400	12000	5.2 U	460 U	4.6 U	5.1 U	430 U	R	R	5.3 U	390 U
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	21 U	1800 U	19 U	12 J	1700 U	43 UJ	47 U	21 U	1600 U
2-Hexanone	210000	1400000	21 U	1800 U	19 U	20 U	1700 U	43 UJ	47 UJ	21 U	1600 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	21 U	1800 U	19 U	20 U	1700 U	43 UJ	47 UJ	21 U	1600 U
Acetone	61000000	630000000	21 U	2200 U	23 U	88 U	1700 U	43 UJ	92 U	21 U	1600 U
Benzene	1100	5400	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U
Bromodichloromethane	270	1400	5.2 U	460 U[a]	4.6 U	5.1 U	430 U[a]	11 UJ	12 U	5.3 U	390 U[a]
Bromoform	62000	220000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	390 U
Bromomethane (Methyl bromide)	7300	32000	5.2 U	460 UJ	4.6 UJ	5.1 UJ	430 U	11 UJ	12 UJ	5.3 UJ	390 U
Carbon disulfide	820000	3700000	5.2 U	460 U	4.6 U	3.2 J	430 U	11 UJ	12 U	5.3 U	24 J
Carbon tetrachloride	610	3000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U
Chlorobenzene	290000	1400000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	750
Chloroethane	15000000	61000000	5.2 U	460 UJ	4.6 UJ	5.1 UJ	430 U	19 J	12 UJ	5.3 UJ	390 U
Chloroform (Trichloromethane)	290	1500	5.2 U	460 U[a]	4.6 U	5.1 U	430 U[a]	11 UJ	12 U	0.40 J	390 U[a]
Chloromethane (Methyl chloride)	120000	500000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U
cis-1,2-Dichloroethene	160000	2000000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	1100
cis-1,3-Dichloropropene	-	-	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U
Cyclohexane	7000000	29000000	10 U	910 U	9.3 U	10 U	870 U	4.8 J	24 U	11 U	780 U
Dibromochloromethane	680	3300	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	390 U
Dichlorodifluoromethane (CFC-12)	94000	400000	5.2 U	R	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	R
Ethylbenzene	5400	27000	5.2 U	29 J	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	310 J
Isopropyl benzene	2100000	11000000	5.2 U	210 J	4.6 U	0.27 J	430 U	11 UJ	12 UJ	5.3 U	57 J
Methyl acetate	78000000	1000000000	10 U	910 U	9.3 U	10 U	56 J	22 UJ	24 U	11 U	300 J
Methyl cyclohexane	-	-	10 U	910 U	0.42 J	10 U	870 U	4.1 J	24 U	11 U	130 J

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U
Methylene chloride	56000	960000	7.9 U	1300 U	9.6 U	19 U	750 U	34 UJ	48 U	16 U	390 U
Styrene	6300000	36000000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	390 U
Tetrachloroethene	22000	110000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	0.69 J	34 J
Toluene	5000000	45000000	0.51 J	74 J	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	150 J
trans-1,2-Dichloroethene	150000	690000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	83 J
trans-1,3-Dichloropropene	-	-	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	390 U
Trichloroethene	910	6400	0.47 J	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	36	8400 J[ab]
Trichlorofluoromethane (CFC-11)	790000	3400000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U
Trifluorotrichloroethane (Freon 113)	43000000	180000000	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U
Vinyl chloride	60	1700	5.2 U	460 U[a]	4.6 U	5.1 U	430 U[a]	18 J	12 U	5.3 U	41 J
Xylenes (total)	630000	2700000	10 U	120 J	9.3 U	10 U	870 U	22 UJ	24 UJ	11 U	1300
PCBs											
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-	-	-	-	-	-

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			***BH91-13***	***BH92-13***	***BH92-13***	***BH93-13***
Sample ID:			***S-38443-062713-JC-072***	***S-38443-070913-JC-089***	***S-38443-070913-JC-090***	***S-38443-062813-JC-073***
Sample Date:			***6/27/2013***	***7/9/2013***	***7/9/2013***	***6/28/2013***
Sample Depth:			***23-25 ft BGS***	***18.8-20.8 ft BGS***	***18.8-20.8 ft BGS***	***13-15 ft BGS***
	USEPA Regional Screening Levels [1]				***Duplicate***	
Parameter	***Residential Soil***	***Industrial Soil***				
	a	***b***				
Volatile Organic Compounds						
1,1,1-Trichloroethane	8700000	38000000	10 U	4.7 U	4.8 U	8.2 UJ
1,1,2,2-Tetrachloroethane	560	2800	10 U	4.7 U	4.8 U	R
1,1,2-Trichloroethane	1100	5300	10 U	4.7 U	4.8 U	8.2 UJ
1,1-Dichloroethane	3300	17000	10 U	0.77 J	5.6 J	8.2 UJ
1,1-Dichloroethene	240000	1100000	10 U	4.7 U	4.8 U	8.2 UJ
1,2,4-Trichlorobenzene	22000	99000	10 U	4.7 U	4.8 U	R
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69	21 U[a]	9.4 U[a]	9.5 U[a]	R
1,2-Dibromoethane (Ethylene dibromide)	34	170	10 U	4.7 U	4.8 U	8.2 UJ
1,2-Dichlorobenzene	1900000	9800000	10 U	4.7 U	4.8 U	R
1,2-Dichloroethane	430	2200	10 U	4.7 U	4.8 U	8.2 UJ
1,2-Dichloropropane	940	4700	10 U	4.7 U	4.8 U	8.2 UJ
1,3-Dichlorobenzene	-	-	10 U	4.7 U	4.8 U	R
1,4-Dichlorobenzene	2400	12000	10 U	4.7 U	4.8 U	R
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000	3.0 J	19 U	19 U	33 UJ
2-Hexanone	210000	1400000	41 U	19 U	19 U	33 UJ
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000	41 U	0.52 J	19 U	33 UJ
Acetone	61000000	630000000	41 U	19 U	19 U	33 J
Benzene	1100	5400	10 U	0.69 J	0.49 J	8.2 UJ
Bromodichloromethane	270	1400	10 U	4.7 U	4.8 U	8.2 UJ
Bromoform	62000	220000	10 U	4.7 U	4.8 U	8.2 UJ
Bromomethane (Methyl bromide)	7300	32000	10 U	4.7 U	4.8 U	8.2 UJ
Carbon disulfide	820000	3700000	10 U	4.7 U	4.8 U	8.2 UJ
Carbon tetrachloride	610	3000	10 U	4.7 U	4.8 U	8.2 UJ
Chlorobenzene	290000	1400000	10 U	0.66 J	15 J	8.2 UJ
Chloroethane	15000000	61000000	10 U	2.3 J	1.4 J	8.2 UJ
Chloroform (Trichloromethane)	290	1500	10 U	4.7 U	4.8 U	8.2 UJ
Chloromethane (Methyl chloride)	120000	500000	10 U	4.7 U	4.8 U	8.2 UJ
cis-1,2-Dichloroethene	160000	2000000	10 U	4.7 U	4.8 U	8.2 UJ
cis-1,3-Dichloropropene	-	-	10 U	4.7 U	4.8 U	8.2 UJ
Cyclohexane	7000000	29000000	21 U	0.37 J	0.31 J	16 UJ
Dibromochloromethane	680	3300	10 U	4.7 U	4.8 U	8.2 UJ
Dichlorodifluoromethane (CFC-12)	94000	400000	10 U	4.7 U	4.8 U	8.2 UJ
Ethylbenzene	5400	27000	10 U	4.7 U	4.8 U	8.2 UJ
Isopropyl benzene	2100000	11000000	10 U	4.7 U	4.8 U	8.2 UJ
Methyl acetate	78000000	1000000000	21 U	2.1 J	2.8 J	16 UJ
Methyl cyclohexane	-	-	21 U	0.39 J	0.35 J	16 UJ

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000	10 U	4.7 U	4.8 U	8.2 UJ
Methylene chloride	56000	960000	10 UJ	4.7 U	4.8 U	10 UJ
Styrene	6300000	36000000	10 U	4.7 U	4.8 U	8.2 UJ
Tetrachloroethene	22000	110000	10 U	4.7 U	4.8 U	41 J
Toluene	5000000	45000000	10 U	0.41 J	0.69 J	8.2 UJ
trans-1,2-Dichloroethene	150000	690000	10 U	4.7 U	4.8 U	8.2 UJ
trans-1,3-Dichloropropene	-	-	10 U	4.7 U	4.8 U	8.2 UJ
Trichloroethene	910	6400	10 U	4.7 U	4.8 U	3.9 J
Trichlorofluoromethane (CFC-11)	790000	3400000	10 U	4.7 U	4.8 U	8.2 UJ
Trifluorotrichloroethane (Freon 113)	43000000	180000000	10 U	4.7 U	4.8 U	8.2 UJ
Vinyl chloride	60	1700	10 U	4.7 U	4.8 U	8.2 UJ
Xylenes (total)	630000	2700000	21 U	9.4 U	9.5 U	16 UJ
PCBs						
Aroclor-1016 (PCB-1016)	3900	21000	-	-	-	-
Aroclor-1221 (PCB-1221)	140	540	-	-	-	-
Aroclor-1232 (PCB-1232)	140	540	-	-	-	-
Aroclor-1242 (PCB-1242)	220	740	-	-	-	-
Aroclor-1248 (PCB-1248)	220	740	-	-	-	-
Aroclor-1254 (PCB-1254)	220	740	-	-	-	-
Aroclor-1260 (PCB-1260)	220	740	-	-	-	-

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

	USEPA Regional Screening Levels [1]	
Parameter	***Residential Soil***	***Industrial Soil***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	8700000	38000000
1,1,2,2-Tetrachloroethane	560	2800
1,1,2-Trichloroethane	1100	5300
1,1-Dichloroethane	3300	17000
1,1-Dichloroethene	240000	1100000
1,2,4-Trichlorobenzene	22000	99000
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69
1,2-Dibromoethane (Ethylene dibromide)	34	170
1,2-Dichlorobenzene	1900000	9800000
1,2-Dichloroethane	430	2200
1,2-Dichloropropane	940	4700
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2400	12000
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000
2-Hexanone	210000	1400000
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000
Acetone	61000000	630000000
Benzene	1100	5400
Bromodichloromethane	270	1400
Bromoform	62000	220000
Bromomethane (Methyl bromide)	7300	32000
Carbon disulfide	820000	3700000
Carbon tetrachloride	610	3000
Chlorobenzene	290000	1400000
Chloroethane	15000000	61000000
Chloroform (Trichloromethane)	290	1500
Chloromethane (Methyl chloride)	120000	500000
cis-1,2-Dichloroethene	160000	2000000
cis-1,3-Dichloropropene	-	-
Cyclohexane	7000000	29000000
Dibromochloromethane	680	3300
Dichlorodifluoromethane (CFC-12)	94000	400000
Ethylbenzene	5400	27000
Isopropyl benzene	2100000	11000000
Methyl acetate	78000000	1000000000
Methyl cyclohexane	-	-

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Methyl tert butyl ether (MTBE)	43000	220000
Methylene chloride	56000	960000
Styrene	6300000	36000000
Tetrachloroethene	22000	110000
Toluene	5000000	45000000
trans-1,2-Dichloroethene	150000	690000
trans-1,3-Dichloropropene	-	-
Trichloroethene	910	6400
Trichlorofluoromethane (CFC-11)	790000	3400000
Trifluorotrichloroethane (Freon 113)	43000000	180000000
Vinyl chloride	60	1700
Xylenes (total)	630000	2700000
PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:
Sample Date:
Sample Depth:

	USEPA Regional Screening Levels [1]	
Parameter	***Residential Soil***	***Industrial Soil***
	a	***b***
Volatile Organic Compounds		
1,1,1-Trichloroethane	8700000	38000000
1,1,2,2-Tetrachloroethane	560	2800
1,1,2-Trichloroethane	1100	5300
1,1-Dichloroethane	3300	17000
1,1-Dichloroethene	240000	1100000
1,2,4-Trichlorobenzene	22000	99000
1,2-Dibromo-3-chloropropane (DBCP)	5.4	69
1,2-Dibromoethane (Ethylene dibromide)	34	170
1,2-Dichlorobenzene	1900000	9800000
1,2-Dichloroethane	430	2200
1,2-Dichloropropane	940	4700
1,3-Dichlorobenzene	-	-
1,4-Dichlorobenzene	2400	12000
2-Butanone (Methyl ethyl ketone) (MEK)	28000000	200000000
2-Hexanone	210000	1400000
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	5300000	53000000
Acetone	61000000	630000000
Benzene	1100	5400
Bromodichloromethane	270	1400
Bromoform	62000	220000
Bromomethane (Methyl bromide)	7300	32000
Carbon disulfide	820000	3700000
Carbon tetrachloride	610	3000
Chlorobenzene	290000	1400000
Chloroethane	15000000	61000000
Chloroform (Trichloromethane)	290	1500
Chloromethane (Methyl chloride)	120000	500000
cis-1,2-Dichloroethene	160000	2000000
cis-1,3-Dichloropropene	-	-
Cyclohexane	7000000	29000000
Dibromochloromethane	680	3300
Dichlorodifluoromethane (CFC-12)	94000	400000
Ethylbenzene	5400	27000
Isopropyl benzene	2100000	11000000
Methyl acetate	78000000	1000000000
Methyl cyclohexane	-	-

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
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MORAINE, OHIO

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PCBs		
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Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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1,2-Dibromoethane (Ethylene dibromide)	34	170
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Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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MORAINE, OHIO

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Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
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1,2-Dibromoethane (Ethylene dibromide)	34	170
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Methyl cyclohexane	-	-

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Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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MORAINE, OHIO

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1,2-Dichlorobenzene	1900000	9800000
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Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
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Bromoform	62000	220000
Bromomethane (Methyl bromide)	7300	32000
Carbon disulfide	820000	3700000
Carbon tetrachloride	610	3000
Chlorobenzene	290000	1400000
Chloroethane	15000000	61000000
Chloroform (Trichloromethane)	290	1500
Chloromethane (Methyl chloride)	120000	500000
cis-1,2-Dichloroethene	160000	2000000
cis-1,3-Dichloropropene	-	-
Cyclohexane	7000000	29000000
Dibromochloromethane	680	3300
Dichlorodifluoromethane (CFC-12)	94000	400000
Ethylbenzene	5400	27000
Isopropyl benzene	2100000	11000000
Methyl acetate	78000000	1000000000
Methyl cyclohexane	-	-

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Methyl tert butyl ether (MTBE)	43000	220000
Methylene chloride	56000	960000
Styrene	6300000	36000000
Tetrachloroethene	22000	110000
Toluene	5000000	45000000
trans-1,2-Dichloroethene	150000	690000
trans-1,3-Dichloropropene	-	-
Trichloroethene	910	6400
Trichlorofluoromethane (CFC-11)	790000	3400000
Trifluorotrichloroethane (Freon 113)	43000000	180000000
Vinyl chloride	60	1700
Xylenes (total)	630000	2700000
PCBs		
Aroclor-1016 (PCB-1016)	3900	21000
Aroclor-1221 (PCB-1221)	140	540
Aroclor-1232 (PCB-1232)	140	540
Aroclor-1242 (PCB-1242)	220	740
Aroclor-1248 (PCB-1248)	220	740
Aroclor-1254 (PCB-1254)	220	740
Aroclor-1260 (PCB-1260)	220	740

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 63

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA RSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Notes:

All concentrations are expressed in units of micrograms per kilogram (µg/kg) unless otherwise noted.

[1] - United States Environmental Protection Agency Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, November 2013

- - Not applicable.

J - The parameter was positively identified; however, the associated parameter concentration is estimated.

R - Rejected.

NJ - The compound was tentatively identified. The associated parameter concentration is estimated.

U - The parameter was not detected. The associated numerical value is the sample quantitation limit.

UJ - The parameter was not detected. The associated numerical value is the estimated sample quantitation limit.

Value - The value was not detected at a reporting detection limit greater than applicable criteria.

- Concentration was greater than applicable criteria.

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:			*BH30-13*	*BH31-13*	*BH31-13*	*BH31-13*	*BH32-13*	*BH33-13*	*BH33-13*	*BH34-13*	*BH34-13*	*BH35-13*
Sample ID:			*S-38443-070213-JT-087*	*S-38443-070113-JC-076*	*S-38443-070113-JC-077*	*S-38443-070113-JC-078*	*S-38443-070213-JC-079*	*S-38443-062613-JT-060*	*S-38443-062613-JT-061*	*S-38443-062713-JT-062*	*S-38443-062713-JT-063*	*S-38443-062813-JT-068*
			7/2/2013	*7/1/2013*	*7/1/2013*	*7/1/2013*	*7/2/2013*	*6/26/2013*	*6/26/2013*	*6/27/2013*	*6/27/2013*	*6/28/2013*
Sample Depth:	*USEPA Regional Screening Levels [1]*		*29.5-31.5 ft BGS*	*18-20 ft BGS*	*18-20 ft BGS*	*26.5-28.5 ft BGS*	*26.5-28.5 ft BGS*	*22-25 ft BGS*	*22-25 ft BGS*	*4-6 ft BGS*	*24.5-26.5 ft BGS*	*24.5-26.5 ft BGS*
					Duplicate				*Duplicate*			
Parameter	*Risk Based SSL*	*MCL Based SSL*										
	a	*b*										
Volatile Organic Compounds												
1,1,1-Trichloroethane	2600	70	4.5 U	260 U[b]	250 U[b]	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U	8.9 UJ
1,1,2,2-Tetrachloroethane	0.026	-	4.5 U[a]	260 U[a]	250 U[a]	5.5 U[a]	5.4 U[a]	4800 U[a]	4200 U[a]	5.0 U[a]	4.3 U[a]	R
1,1,2-Trichloroethane	0.077	1.6	4.5 U[ab]	260 U[ab]	250 U[ab]	5.5 U[ab]	5.4 U[ab]	4800 U[ab]	4200 U[ab]	5.0 U[ab]	4.3 U[ab]	8.9 UJ[ab]
1,1-Dichloroethane	0.68	-	4.5 U[a]	260 U[a]	250 U[a]	5.5 U[a]	5.4 U[a]	4800 U[a]	4200 U[a]	5.0 U[a]	4.3 U[a]	8.9 UJ[a]
1,1-Dichloroethene	93	2.5	4.5 U[b]	260 U[ab]	250 U[ab]	5.5 U[b]	5.4 U[b]	4800 U[ab]	4200 U[ab]	5.0 U[b]	4.3 U[b]	8.9 UJ[b]
1,2,4-Trichlorobenzene	2.9	200	4.5 U[a]	260 U[ab]	250 U[ab]	5.5 U[a]	5.4 U[a]	4800 U[ab]	4200 U[ab]	5.0 U[a]	4.3 U[a]	R
1,2-Dibromo-3-chloropropane (DBCP)	0.00014	0.086	9.0 U[ab]	520 U[ab]	510 U[ab]	11 U[ab]	11 U[ab]	9600 UJ[ab]	8400 U[ab]	10 U[ab]	8.6 U[ab]	R
1,2-Dibromoethane (Ethylene dibromide)	0.0018	0.014	4.5 U[ab]	260 U[ab]	250 U[ab]	5.5 U[ab]	5.4 U[ab]	4800 U[ab]	4200 U[ab]	5.0 U[ab]	4.3 U[ab]	8.9 UJ[ab]
1,2-Dichlorobenzene	270	580	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U	R
1,2-Dichloroethane	0.042	1.4	4.5 U[ab]	260 U[ab]	250 U[ab]	5.5 U[ab]	5.4 U[ab]	4800 U[ab]	4200 U[ab]	5.0 U[ab]	4.3 U[ab]	8.9 UJ[ab]
1,2-Dichloropropane	0.13	1.7	4.5 U[ab]	260 U[ab]	250 U[ab]	5.5 U[ab]	5.4 U[ab]	4800 U[ab]	4200 U[ab]	5.0 U[ab]	4.3 U[ab]	8.9 UJ[ab]
1,3-Dichlorobenzene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U	R
1,4-Dichlorobenzene	0.4	72	4.5 U[a]	260 U[ab]	250 U[ab]	5.5 U[a]	5.4 U[a]	4800 U[ab]	4200 U[ab]	5.0 U[a]	4.3 U[a]	R
2-Butanone (Methyl ethyl ketone) (MEK)	1000	-	18 U	49 J	60 J	3.0 J	7.3 J	19000 U[a]	17000 U[a]	15 J	1.8 J	17 J
2-Hexanone	7.9	-	18 U[a]	1000 U[a]	1000 U[a]	22 U[a]	21 U[a]	19000 U[a]	17000 U[a]	20 U[a]	17 U[a]	36 UJ[a]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	230	-	18 U	1000 U[a]	1000 U[a]	22 U	21 U	19000 U[a]	17000 U[a]	0.94 J	17 U	36 UJ
Acetone	2400	-	18 U	1000 U	1000 U	22 U	25 U	28000[a]	17000 U[a]	83 U	17 U	81 UJ
Benzene	0.2	2.6	0.45 J[a]	260 U[ab]	250 U[ab]	5.5 U[ab]	5.4 U[ab]	4800 U[ab]	4200 U[ab]	5.0 U[ab]	4.3 U[ab]	12 J[ab]
Bromodichloromethane	0.032	22	4.5 U[a]	260 U[ab]	250 U[ab]	5.5 U[a]	5.4 U[a]	4800 U[ab]	4200 U[ab]	5.0 U[a]	4.3 U[a]	8.9 UJ[a]
Bromoform	2.1	21	4.5 U[a]	260 U[ab]	250 U[ab]	5.5 U[a]	5.4 U[a]	4800 U[ab]	4200 U[ab]	5.0 U[a]	4.3 U[a]	8.9 UJ[a]
Bromomethane (Methyl bromide)	1.8	-	4.5 U[a]	260 U[a]	250 U[a]	5.5 U[a]	5.4 U[a]	4800 U[a]	4200 UJ[a]	5.0 U[a]	4.3 U[a]	8.9 UJ[a]
Carbon disulfide	210	-	4.5 U	17 J	22 J	5.5 U	5.4 U	4800 U[a]	4200 U[a]	5.0 U	0.48 J	2.7 J
Carbon tetrachloride	0.15	1.9	4.5 U[ab]	260 U[ab]	250 U[ab]	5.5 U[ab]	5.4 U[ab]	4800 U[ab]	4200 U[ab]	5.0 U[ab]	4.3 U[ab]	8.9 UJ[ab]
Chlorobenzene	49	68	4.5 U	260 U[ab]	250 U[ab]	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U	8.9 UJ
Chloroethane	5900	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 UJ	5.0 U	4.3 U	8.9 UJ
Chloroform (Trichloromethane)	0.053	22	4.5 U[a]	260 U[ab]	250 U[ab]	5.5 U[a]	5.4 U[a]	4800 U[ab]	4200 U[ab]	5.0 U[a]	4.3 U[a]	8.9 UJ[a]
Chloromethane (Methyl chloride)	49	-	4.5 U	260 U[a]	250 U[a]	5.5 U	5.4 U	4800 U[a]	4200 U[a]	5.0 U	4.3 U	8.9 UJ
cis-1,2-Dichloroethene	8.2	21	4.5 U	260 U[ab]	250 U[ab]	5.5 U	5.4 U	98000[ab]	1000 J[ab]	1.2 J	4.3 U	8.9 UJ[a]
cis-1,3-Dichloropropene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U	4.3 U	8.9 UJ
Cyclohexane	13000	-	0.46 J	520 U	510 U	11 U	11 U	9600 U	8400 U	1.8 J	8.6 U	18 UJ
Dibromochloromethane	0.039	21	4.5 U[a]	260 U[ab]	250 U[ab]	5.5 U[a]	5.4 U[a]	4800 U[ab]	4200 U[ab]	5.0 U[a]	4.3 U[a]	8.9 UJ[a]
Dichlorodifluoromethane (CFC-12)	300	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[a]	4200 U[a]	5.0 U	4.3 U	8.9 UJ
Ethylbenzene	1.5	780	0.71 J	13 J[a]	18 J[a]	5.5 U[a]	5.4 U[a]	62000[ab]	25000[ab]	6.9[a]	4.3 U[a]	8.9 UJ[a]
Isopropyl benzene	640	-	4.5 U	51 J	73 J	5.5 U	5.4 U	6400[a]	4300[a]	7.3	4.3 U	8.9 UJ
Methyl acetate	3200	-	9.0 U	170 J	210 J	1.6 J	11 U	9600 U[a]	8400 U[a]	10 U	8.6 U	18 UJ
Methyl cyclohexane	-	-	0.87 J	520 U	16 J	11 U	11 U	1600 J	810 J	18	1.3 J	18 UJ
Methyl tert butyl ether (MTBE)	2.8	-	4.5 U[a]	260 U[a]	250 U[a]	5.5 U[a]	5.4 U[a]	4800 U[a]	4200 U[a]	5.0 U[a]	4.3 U[a]	8.9 UJ[a]
Methylene chloride	2.5	1.3	4.5 U[ab]	260 U[ab]	250 U[ab]	0.96 J	5.4 U[ab]	8800 U[ab]	4900 U[ab]	5.0 UJ[ab]	6.8 UJ[ab]	21 UJ[ab]
Styrene	1200	110	4.5 U	260 U[b]	250 U[b]	5.5 U	5.4 U	4800 U[ab]	4200 U[ab]	5.0 U	4.3 U	8.9 UJ

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Tetrachloroethene	Tetrachloroethene	4.4	2.3	0.50 J	43 J[ab]	37 J[ab]	5.5 U[ab]	5.4 U[ab]	4800 U[ab]	4200 U[ab]	5.0 U[ab]
Toluene	Toluene	590	690	1.6 J	260 U	250 U	0.52 J	0.51 J	87000 J[ab]	8400 J[ab]	3.3 J
trans-1,2-Dichloroethene	trans-1,2-Dichloroethene	25	29	4.5 U	260 U[ab]	250 U[ab]	5.5 U	5.4 U	270 J[ab]	4200 U[ab]	5.0 U
trans-1,3-Dichloropropene	trans-1,3-Dichloropropene	-	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 U
Trichloroethene	Trichloroethene	0.16	1.8	4.7 J[ab]	260 U[ab]	250 U[ab]	5.5 U[ab]	5.4 U[ab]	5300 J[ab]	4200 U[ab]	5.0 U[ab]
Trichlorofluoromethane (CFC-11)	Trichlorofluoromethane (CFC-11)	690	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U[a]	4200 U[a]	5.0 U
Trifluorotrichloroethane (Freon 113)	Trifluorotrichloroethane (Freon 113)	130000	-	4.5 U	260 U	250 U	5.5 U	5.4 U	4800 U	4200 U	5.0 UJ
Vinyl chloride	Vinyl chloride	0.0053	0.69	4.5 U[ab]	260 U[ab]	250 U[ab]	5.5 U[ab]	5.4 U[ab]	380 J[ab]	4200 U[ab]	5.0 U[ab]
Xylenes (total)	Xylenes (total)	190	9800	9.0 U	520 U[a]	83 J	11 U	11 U	280000 J[ab]	54000 J[ab]	27
PCBs	***PCBs***										
Aroclor-1016 (PCB-1016)	Aroclor-1016 (PCB-1016)	92	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	Aroclor-1221 (PCB-1221)	0.069	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	Aroclor-1232 (PCB-1232)	0.069	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	Aroclor-1242 (PCB-1242)	5.3	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	Aroclor-1248 (PCB-1248)	5.2	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	Aroclor-1254 (PCB-1254)	8.8	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	Aroclor-1260 (PCB-1260)	24	-	-	-	-	-	-	-	-	-

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:	***BH34-13***	***BH35-13***	***BH36-13***	***BH36-13***	***BH37-13***	***BH38-13***	***BH38-13***	***BH39-13***	***BH40-13***	***BH40-13***	***BH42-13***	***BH42-13***
Sample ID:	***S-38443-062713-JT-063***	***S-38443-062813-JT-068***	***S-38443-070113-JT-082***	***S-38443-070113-JT-083***	***S-38443-070213-JT-086***	***S-38443-062713-JT-064***	***S-38443-062713-JT-065***	***S-38443-070113-JC-075***	***S-38443-062813-JT-066***	***S-38443-062813-JT-067***	***S-38443-070113-JT-069***	***S-38443-070113-JT-080***
	6/27/2013	***6/28/2013***	***7/1/2013***	***7/1/2013***	***7/2/2013***	***6/27/2013***	***6/27/2013***	***7/1/2013***	***6/28/2013***	***6/28/2013***	***7/1/2013***	***7/1/2013***
Sample Depth:	***24.5-26.5 ft BGS***	***24.5-26.5 ft BGS***	***0-2 ft BGS***	***30-32 ft BGS***	***25-27 ft BGS***	***2-4 ft BGS***	***25.5-27.5 ft BGS***	***28-30 ft BGS***	***18-20 ft BGS***	***18-20 ft BGS***	***2-4 ft BGS***	***2-4 ft BGS***
										Duplicate		***Duplicate***
Parameter												
Volatile Organic Compounds												
1,1,1-Trichloroethane	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U[b]	3.9 U	5.4 U	8.3 U	580 U[b]	3100 U[ab]	3000 U[ab]
1,1,2,2-Tetrachloroethane	4.3 U[a]	R	4.9 U[a]	4.5 U[a]	4.3 U[a]	570 U[a]	3.9 U[a]	5.4 U[a]	8.3 UJ[a]	580 U[a]	3100 U[a]	3000 U[a]
1,1,2-Trichloroethane	4.3 U[ab]	8.9 UJ[ab]	4.9 U[ab]	4.5 U[ab]	4.3 U[ab]	570 U[ab]	3.9 U[ab]	5.4 U[ab]	8.3 U[ab]	580 U[ab]	3100 U[ab]	3000 U[ab]
1,1-Dichloroethane	4.3 U[a]	8.9 UJ[a]	4.9 U[a]	4.5 U[a]	4.3 U[a]	280 J[a]	3.9 U[a]	5.4 U[a]	8.3 U[a]	580 U[a]	3100 U[a]	3000 U[a]
1,1-Dichloroethene	4.3 U[b]	8.9 UJ[b]	4.9 U[b]	4.5 U[b]	4.3 U[b]	49 J[b]	3.9 U[b]	5.4 U[b]	8.3 U[b]	580 U[ab]	3100 U[ab]	3000 U[ab]
1,2,4-Trichlorobenzene	4.3 U[a]	R	4.9 U[a]	4.5 U[a]	4.3 U[a]	570 U[ab]	3.9 U[a]	5.4 U[a]	8.3 UJ[a]	580 U[ab]	3100 U[ab]	3000 U[ab]
1,2-Dibromo-3-chloropropane (DBCP)	8.6 U[ab]	R	9.8 U[ab]	9.1 UJ[ab]	8.7 U[ab]	1100 U[ab]	7.8 U[ab]	11 U[ab]	17 UJ[ab]	1200 U[ab]	6300 U[ab]	6100 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	4.3 U[ab]	8.9 UJ[ab]	4.9 U[ab]	4.5 U[ab]	4.3 U[ab]	570 U[ab]	3.9 U[ab]	5.4 U[ab]	8.3 U[ab]	580 U[ab]	3100 U[ab]	3000 U[ab]
1,2-Dichlorobenzene	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U[a]	3.9 U	5.4 U	8.3 UJ	580 U[a]	3100 U[ab]	3000 U[ab]
1,2-Dichloroethane	4.3 U[ab]	8.9 UJ[ab]	4.9 U[ab]	4.5 U[ab]	4.3 U[ab]	570 U[ab]	3.9 U[ab]	5.4 U[ab]	8.3 U[ab]	580 U[ab]	3100 U[ab]	3000 U[ab]
1,2-Dichloropropane	4.3 U[ab]	8.9 UJ[ab]	4.9 U[ab]	4.5 U[ab]	4.3 U[ab]	570 U[ab]	3.9 U[ab]	5.4 U[ab]	8.3 U[ab]	580 U[ab]	3100 U[ab]	3000 U[ab]
1,3-Dichlorobenzene	4.3 U	R	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U	8.3 UJ	580 U	3100 U	3000 U
1,4-Dichlorobenzene	4.3 U[a]	R	4.9 U[a]	4.5 U[a]	4.3 U[a]	570 U[ab]	3.9 U[a]	5.4 U[a]	8.3 UJ[a]	580 U[ab]	3100 U[ab]	3000 U[ab]
2-Butanone (Methyl ethyl ketone) (MEK)	1.8 J	17 J	5.1 J	1.3 J	17 U	2300 U[a]	2.2 J	2.8 J	23 J	120 J	13000 U[a]	12000 U[a]
2-Hexanone	17 U[a]	36 UJ[a]	20 U[a]	18 U[a]	17 U[a]	2300 U[a]	16 U[a]	22 U[a]	33 U[a]	2300 U[a]	13000 U[a]	12000 U[a]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	17 U	36 UJ	0.90 J	18 U	17 U	2300 U[a]	16 U	0.73 J	33 U	2300 U[a]	900 J[a]	12000 U[a]
Acetone	17 U	81 UJ	20 U	18 U	17 U	2300 U	20 U	22 U	110 U	2300 U	13000 U[a]	12000 U[a]
Benzene	4.3 U[ab]	12 J[ab]	4.9 U[ab]	0.71 J[a]	1.7 J[a]	510 J[ab]	3.9 U[ab]	5.4 U[ab]	6.9 J[ab]	310 J[ab]	350 J[ab]	150 J[ab]
Bromodichloromethane	4.3 U[a]	8.9 UJ[a]	4.9 U[a]	4.5 U[a]	4.3 U[a]	570 U[ab]	3.9 U[a]	5.4 U[a]	8.3 U[a]	580 U[ab]	3100 U[ab]	3000 U[ab]
Bromoform	4.3 U[a]	8.9 UJ[a]	4.9 U[a]	4.5 U[a]	4.3 U[a]	570 U[ab]	3.9 U[a]	5.4 U[a]	8.3 U[a]	580 U[ab]	3100 U[ab]	3000 U[ab]
Bromomethane (Methyl bromide)	4.3 U[a]	8.9 UJ[a]	4.9 U[a]	4.5 U[a]	4.3 U[a]	570 U[a]	3.9 U[a]	5.4 U[a]	8.3 U[a]	580 U[a]	3100 U[a]	3000 U[a]
Carbon disulfide	0.48 J	2.7 J	0.63 J	4.5 U	4.3 U	570 U[a]	3.9 U	5.4 U	1.0 J	580 U[a]	3100 U[a]	3000 U[a]
Carbon tetrachloride	4.3 U[ab]	8.9 UJ[ab]	4.9 U[ab]	4.5 U[ab]	4.3 U[ab]	570 U[ab]	3.9 U[ab]	5.4 U[ab]	8.3 U[ab]	580 U[ab]	3100 U[ab]	3000 U[ab]
Chlorobenzene	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	23 J	3.9 U	5.4 U	8.3 U	580 U[ab]	3100 U[ab]	3000 U[ab]
Chloroethane	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U
Chloroform (Trichloromethane)	4.3 U[a]	8.9 UJ[a]	4.9 U[a]	4.5 U[a]	4.3 U[a]	570 U[ab]	3.9 U[a]	5.4 U[a]	8.3 U[a]	580 U[ab]	3100 U[ab]	3000 U[ab]
Chloromethane (Methyl chloride)	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U[a]	3.9 U	5.4 U	8.3 U	580 U[a]	3100 U[a]	3000 U[a]
cis-1,2-Dichloroethene	4.3 U	8.9 UJ[a]	4.9 U	4.5 U	4.3 U	1000[ab]	3.9 U	0.51 J	8.3 U[a]	580 U[ab]	4000[ab]	1800 J[ab]
cis-1,3-Dichloropropene	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U
Cyclohexane	8.6 U	18 UJ	9.8 U	1.4 J	2.4 J	600 J	7.8 U	11 U	17 U	1200 U	6300 U	6100 U
Dibromochloromethane	4.3 U[a]	8.9 UJ[a]	4.9 U[a]	4.5 U[a]	4.3 U[a]	570 U[ab]	3.9 U[a]	5.4 U[a]	8.3 U[a]	580 U[ab]	3100 U[ab]	3000 U[ab]
Dichlorodifluoromethane (CFC-12)	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U[a]	3.9 U	5.4 U	8.3 U	580 U[a]	3100 U[a]	3000 U[a]
Ethylbenzene	4.3 U[a]	8.9 UJ[a]	4.9 U[a]	1.4 J	2.5 J[a]	15000[ab]	3.9 U[a]	5.4 U[a]	8.3 U[a]	98 J[a]	12000[ab]	4300[ab]
Isopropyl benzene	4.3 U	8.9 UJ	4.9 U	4.5 U	0.55 J	280 J	3.9 U	5.4 U	8.3 U	100 J	2800 J[a]	1100 J[a]
Methyl acetate	8.6 U	18 UJ	9.8 U	9.1 U	8.7 U	240 J	7.8 U	11 U	17 U	380 J	690 J	380 J
Methyl cyclohexane	1.3 J	18 UJ	9.8 U	2.5 J	3.2 J	1100	7.8 U	11 U	1.2 J	44 J	3800 J	930 J
Methyl tert butyl ether (MTBE)	4.3 U[a]	8.9 UJ[a]	4.9 U[a]	4.5 U[a]	4.3 U[a]	570 U[a]	3.9 U[a]	5.4 U[a]	8.3 U[a]	580 U[a]	3100 U[a]	3000 U[a]
Methylene chloride	6.8 UJ[ab]	21 UJ[ab]	4.9 U[ab]	5.8 UJ[ab]	4.3 U[ab]	740 UJ[ab]	5.7 UJ[ab]	3.1 J[ab]	17 UJ[ab]	580 U[ab]	3100 U[ab]	3000 U[ab]
Styrene	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U[b]	3.9 U	5.4 U	8.3 U	580 U[b]	3100 U[ab]	3000 U[ab]

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Tetrachloroethene	4.3 U[b]	8.9 UJ[ab]	4.9 U[ab]	4.5 U[ab]	4.3 U[b]	570 U[ab]	3.9 U[b]	5.4 U[ab]	8.3 U[ab]	580 U[ab]	320 J[ab]	3000 U[ab]
Toluene	0.43 J	2.2 J	0.38 J	2.6 J	2.5 J	670[a]	1.7 J	0.31 J	2.6 J	270 J	12000[ab]	1800 J[ab]
trans-1,2-Dichloroethene	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	140 J[ab]	3.9 U	5.4 U	8.3 U	580 U[ab]	290 J[ab]	130 J[ab]
trans-1,3-Dichloropropene	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U
Trichloroethene	4.3 U[ab]	8.9 UJ[ab]	4.9 U[ab]	4.5 U[ab]	4.3 U[ab]	1600 J[ab]	3.9 U[ab]	5.4 U[ab]	8.3 U[ab]	580 U[ab]	3100 U[ab]	3000 U[ab]
Trichlorofluoromethane (CFC-11)	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U	8.3 U	580 U	3100 U[a]	3000 U[a]
Trifluorotrichloroethane (Freon 113)	4.3 U	8.9 UJ	4.9 U	4.5 U	4.3 U	570 U	3.9 U	5.4 U	8.3 U	580 U	3100 U	3000 U
Vinyl chloride	4.3 U[ab]	2.1 J[ab]	4.9 U[ab]	4.5 U[ab]	4.3 U[ab]	200 J[ab]	3.9 U[ab]	5.4 U[ab]	8.3 U[ab]	580 U[ab]	3100 U[ab]	3000 U[ab]
Xylenes (total)	8.6 U	18 UJ	9.8 U	2.7 J	4.6 J	14000[ab]	7.8 U	11 U	17 U	380 J[a]	27000[ab]	10000[ab]
PCBs												
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:	***BH42-13***	***BH43-13***	***BH44-13***	***BH44-13***	***BH44-13***	***BH44-13***	***BH51-13***	***BH51-13***	***BH52-13***	***BH52-13***	***BH53-13***	***BH53-13***
Sample ID:	***S-38443-070113-JT-081***	***S-38443-070113-JC-074***	***S-38443-070113-JT-084***	***S-38443-070113-JT-085***	***S-38443-070213-JT-084***	***S-38443-070213-JT-085***	***S-38443-062113-JT-027***	***S-38443-062113-JT-028***	***S-38443-061913-JC-014***	***S-38443-061913-JC-015***	***S-38443-061813-JT-001***	***S-38443-061813-JT-002***
	7/1/2013	***7/1/2013***	***7/1/2013***	***7/1/2013***	***7/2/2013***	***7/2/2013***	***6/21/2013***	***6/21/2013***	***6/19/2013***	***6/19/2013***	***6/18/2013***	***6/18/2013***
Sample Depth:	***20-22 ft BGS***	***26.8-28.7 ft BGS***	***2-4 ft BGS***	***35.5-37.5 ft BGS***	***2-4 ft BGS***	***35.5-37.5 ft BGS***	***0-2 ft BGS***	***19.3-21.3 ft BGS***	***21.8-23.8 ft BGS***	***21.8-23.8 ft BGS***	***0-2 ft BGS***	***19-21 ft BGS***
										Duplicate		
Parameter												
Volatile Organic Compounds												
1,1,1-Trichloroethane	260 U[b]	4.3 U	230 U[b]	550 U[b]	-	-	350 U[b]	5.5 U	R	4.5 U	4.5 U	4.3 U
1,1,2,2-Tetrachloroethane	260 U[a]	4.3 U[a]	230 U[a]	550 U[a]	-	-	350 U[a]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
1,1,2-Trichloroethane	260 U[ab]	4.3 U[ab]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[ab]	R	4.5 U[ab]	4.5 U[ab]	4.3 U[ab]
1,1-Dichloroethane	71 J[a]	4.3 U[a]	230 U[a]	550 U[a]	-	-	350 U[a]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
1,1-Dichloroethene	260 U[ab]	4.3 U[b]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[b]	R	4.5 U[b]	4.5 U[b]	4.3 U[b]
1,2,4-Trichlorobenzene	260 U[ab]	4.3 U[a]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
1,2-Dibromo-3-chloropropane (DBCP)	520 U[ab]	8.6 U[ab]	450 U[ab]	1100 U[ab]	-	-	700 U[ab]	11 U[ab]	R	9.1 U[ab]	9.0 U[ab]	8.6 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	260 U[ab]	4.3 U[ab]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[ab]	R	4.5 U[ab]	4.5 U[ab]	4.3 U[ab]
1,2-Dichlorobenzene	260 U	4.3 U	230 U	550 U[a]	-	-	350 U[a]	5.5 U	R	4.5 U	4.5 U	4.3 U
1,2-Dichloroethane	260 U[ab]	4.3 U[ab]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[ab]	R	4.5 U[ab]	4.5 U[ab]	4.3 U[ab]
1,2-Dichloropropane	260 U[ab]	4.3 U[ab]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[ab]	R	4.5 U[ab]	4.5 U[ab]	4.3 U[ab]
1,3-Dichlorobenzene	260 U	4.3 U	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
1,4-Dichlorobenzene	260 U[ab]	4.3 U[a]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
2-Butanone (Methyl ethyl ketone) (MEK)	100 J	17 U	910 U	2200 U[a]	-	-	1400 U[a]	22 U	R	18 U	18 U	17 U
2-Hexanone	1000 U[a]	17 U[a]	910 U[a]	2200 U[a]	-	-	1400 U[a]	22 U[a]	R	18 U[a]	18 U[a]	17 U[a]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	1000 U[a]	17 U	910 U[a]	2200 U[a]	-	-	1400 U[a]	22 U	R	18 U	18 U	17 U
Acetone	1000 U	17 U	910 U	2200 U	-	-	1400 U	22 U	25 UJ	18 U	18 U	17 U
Benzene	47 J[ab]	0.20 J	13 J[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[ab]	R	4.5 U[ab]	4.5 U[ab]	4.3 U[ab]
Bromodichloromethane	260 U[ab]	4.3 U[a]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
Bromoform	260 U[ab]	4.3 U[a]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
Bromomethane (Methyl bromide)	260 U[a]	4.3 U[a]	230 U[a]	550 U[a]	-	-	350 U[a]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
Carbon disulfide	97 J	4.3 U	230 U[a]	550 U[a]	-	-	350 U[a]	5.5 U	R	4.5 U	4.5 U	4.3 U
Carbon tetrachloride	260 U[ab]	4.3 U[ab]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[ab]	R	4.5 U[ab]	4.5 U[ab]	4.3 U[ab]
Chlorobenzene	260 U[ab]	4.3 U	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U	R	4.5 U	4.5 U	4.3 U
Chloroethane	91 J	4.3 U	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Chloroform (Trichloromethane)	260 U[ab]	4.3 U[a]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
Chloromethane (Methyl chloride)	260 U[a]	4.3 U	230 U[a]	550 U[a]	-	-	350 U[a]	5.5 U	R	4.5 U	4.5 U	4.3 U
cis-1,2-Dichloroethene	180 J[ab]	1.5 J	230 U[ab]	410 J[ab]	-	-	350 U[ab]	5.5 U	R	4.5 U	4.5 U	4.3 U
cis-1,3-Dichloropropene	260 U	4.3 U	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Cyclohexane	520 U	8.6 U	450 U	1100 U	-	-	700 U	11 U	R	9.1 U	9.0 U	8.6 U
Dibromochloromethane	260 U[ab]	4.3 U[a]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
Dichlorodifluoromethane (CFC-12)	260 U	4.3 U	230 U	550 U[a]	-	-	350 U[a]	5.5 U	R	4.5 U	4.5 U	4.3 U
Ethylbenzene	470[a]	4.3 U[a]	8.6 J[a]	67 J[a]	-	-	350 U[a]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
Isopropyl benzene	180 J	4.3 U	230 U	450 J	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Methyl acetate	98 J	8.6 U	65 J	58 J	-	-	700 U	11 U	R	9.1 U	9.0 U	8.6 U
Methyl cyclohexane	310 J	8.6 U	32 J	1300	-	-	75 J	0.39 J	R	9.1 U	9.0 U	8.6 U
Methyl tert butyl ether (MTBE)	260 U[a]	4.3 U[a]	230 U[a]	550 U[a]	-	-	350 U[a]	5.5 U[a]	R	4.5 U[a]	4.5 U[a]	4.3 U[a]
Methylene chloride	260 U[ab]	1.4 J[b]	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 UJ[ab]	20 UJ[ab]	7.9 U[ab]	6.4 U[ab]	6.5 U[ab]
Styrene	260 U[b]	4.3 U	230 U[b]	550 U[b]	-	-	350 U[b]	5.5 U	R	4.5 U	4.5 U	4.3 U

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Tetrachloroethene	13 J[ab]	4.3 U[b]	230 U[ab]	550 U[ab]	-	-	20 J[ab]	5.5 U[ab]	R	4.5 U[ab]	4.5 U[ab]	4.3 U[b]
Toluene	490	0.58 J	39 J	86 J	-	-	40 J	0.97 J	R	0.42 J	4.5 U	4.3 U
trans-1,2-Dichloroethene	260 U[ab]	4.3 U	230 U[ab]	550 U[ab]	-	-	350 U[ab]	5.5 U	R	4.5 U	4.5 U	4.3 U
trans-1,3-Dichloropropene	260 U	4.3 U	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Trichloroethene	260 U[ab]	4.3 U[ab]	230 U[ab]	550 U[ab]	-	-	4300[ab]	1.6 J[a]	R	0.52 J[a]	1.5 J[a]	10[ab]
Trichlorofluoromethane (CFC-11)	260 U	4.3 U	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Trifluorotrichloroethane (Freon 113)	260 U	4.3 U	230 U	550 U	-	-	350 U	5.5 U	R	4.5 U	4.5 U	4.3 U
Vinyl chloride	21 J[ab]	4.3 U[ab]	230 U[ab]	220 J[ab]	-	-	350 U[ab]	5.5 U[ab]	R	4.5 U[ab]	4.5 U[ab]	4.3 U[ab]
Xylenes (total)	950[a]	8.6 U	450 U[a]	1100 U[a]	-	-	140 J	11 U	R	9.1 U	9.0 U	8.6 U
PCBs												
Aroclor-1016 (PCB-1016)	-	-	-	-	35 U	36 U	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	-	-	-	35 U[a]	36 U[a]	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	-	-	-	35 U[a]	36 U[a]	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	53[a]	36 U[a]	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	35 U[a]	36 U[a]	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	35 U[a]	36 U[a]	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	58 J[a]	36 U[a]	-	-	-	-	-	-

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:	***BH54-13***	***BH54-13***	***BH55-13***	***BH55-13***	***BH56-13***	***BH57-13***	***BH58-13***	***BH58-13***	***BH59-13***	***BH59-13***	***BH60-13***	***BH61-13***
Sample ID:	***S-38443-061813-JT-003***	***S-38443-061813-JT-004***	***S-38443-061813-JC-011***	***S-38443-061813-JC-012***	***S-38443-061813-JC-013***	***S-38443-061813-JT-005***	***S-38443-061913-JT-009***	***S-38443-061913-JT-010***	***S-38443-061913-JT-006***	***S-38443-061913-JT-007***	***S-38443-061913-JT-021***	***S-38443-061913-JC-019***
	6/18/2013	***6/18/2013***	***6/18/2013***	***6/18/2013***	***6/18/2013***	***6/18/2013***	***6/19/2013***	***6/19/2013***	***6/19/2013***	***6/19/2013***	***6/19/2013***	***6/19/2013***
Sample Depth:	***4-6 ft BGS***	***18.5-20.5 ft BGS***	***2-4 ft BGS***	***22.5-24.5 ft BGS***	***21-23 ft BGS***	***21-23 ft BGS***	***21.5-23.5 ft BGS***	***21.5-23.5 ft BGS***	***2-4 ft BGS***	***20.5-22.5 ft BGS***	***20-22 ft BGS***	***21.2-23.2 ft BGS***
								Duplicate				
Parameter												
Volatile Organic Compounds												
1,1,1-Trichloroethane	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[b]	5.2 U	5.6 U	4.3 U
1,1,2,2-Tetrachloroethane	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[a]	5.2 U[a]	5.6 U[a]	4.3 U[a]
1,1,2-Trichloroethane	5.6 UJ[ab]	5.4 U[ab]	R	4.8 U[ab]	4.5 U[ab]	5.2 U[ab]	5.5 U[ab]	5.3 U[ab]	430 U[ab]	5.2 U[ab]	5.6 U[ab]	4.3 U[ab]
1,1-Dichloroethane	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[a]	5.2 U[a]	5.6 U[a]	4.3 U[a]
1,1-Dichloroethene	5.6 UJ[b]	5.4 U[b]	R	4.8 U[b]	4.5 U[b]	5.2 U[b]	5.5 U[b]	5.3 U[b]	430 U[ab]	5.2 U[b]	5.6 U[b]	4.3 U[b]
1,2,4-Trichlorobenzene	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[ab]	5.2 U[a]	5.6 U[a]	4.3 U[a]
1,2-Dibromo-3-chloropropane (DBCP)	11 UJ[ab]	11 U[ab]	R	9.7 U[ab]	9.1 U[ab]	10 U[ab]	11 U[ab]	11 U[ab]	860 UJ[ab]	10 U[ab]	11 U[ab]	8.6 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	5.6 UJ[ab]	5.4 U[ab]	R	4.8 U[ab]	4.5 U[ab]	5.2 U[ab]	5.5 U[ab]	5.3 U[ab]	430 U[ab]	5.2 U[ab]	5.6 U[ab]	4.3 U[ab]
1,2-Dichlorobenzene	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[a]	5.2 U	5.6 U	4.3 U
1,2-Dichloroethane	5.6 UJ[ab]	5.4 U[ab]	R	4.8 U[ab]	4.5 U[ab]	5.2 U[ab]	5.5 U[ab]	5.3 U[ab]	430 U[ab]	5.2 U[ab]	5.6 U[ab]	4.3 U[ab]
1,2-Dichloropropane	5.6 UJ[ab]	5.4 U[ab]	R	4.8 U[ab]	4.5 U[ab]	5.2 U[ab]	5.5 U[ab]	5.3 U[ab]	430 U[ab]	5.2 U[ab]	5.6 U[ab]	4.3 U[ab]
1,3-Dichlorobenzene	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U
1,4-Dichlorobenzene	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[ab]	5.2 U[a]	5.6 U[a]	4.3 U[a]
2-Butanone (Methyl ethyl ketone) (MEK)	22 UJ	21 U	R	19 U	18 U	21 U	22 U	21 U	1700 U[a]	21 U	22 U	17 U
2-Hexanone	22 UJ[a]	21 U[a]	R	19 U[a]	18 U[a]	21 U[a]	22 U[a]	21 U[a]	1700 U[a]	21 U[a]	22 U[a]	17 U[a]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	22 UJ	21 U	R	19 U	18 U	21 U	22 U	21 U	1700 U[a]	21 U	22 U	17 U
Acetone	22 UJ	21 U	130000 UJ[a]	19 U	18 U	21 U	22 U	21 U	1700 U	21 U	22 U	17 U
Benzene	5.6 UJ[ab]	5.4 U[ab]	R	4.8 U[ab]	4.5 U[ab]	5.2 U[ab]	5.5 U[ab]	5.3 U[ab]	430 U[ab]	5.2 U[ab]	5.6 U[ab]	4.3 U[ab]
Bromodichloromethane	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[ab]	5.2 U[a]	5.6 U[a]	4.3 U[a]
Bromoform	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[ab]	5.2 U[a]	5.6 U[a]	4.3 U[a]
Bromomethane (Methyl bromide)	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[a]	5.2 U[a]	5.6 U[a]	4.3 UJ[a]
Carbon disulfide	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	0.78 J	5.3 U	430 U[a]	5.2 U	5.6 U	4.3 U
Carbon tetrachloride	5.6 UJ[ab]	5.4 U[ab]	R	4.8 U[ab]	4.5 U[ab]	5.2 U[ab]	5.5 U[ab]	5.3 U[ab]	430 U[ab]	5.2 U[ab]	5.6 U[ab]	4.3 U[ab]
Chlorobenzene	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[ab]	5.2 U	5.6 U	4.3 U
Chloroethane	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 UJ
Chloroform (Trichloromethane)	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[ab]	5.2 U[a]	5.6 U[a]	4.3 U[a]
Chloromethane (Methyl chloride)	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[a]	5.2 U	5.6 U	4.3 U
cis-1,2-Dichloroethene	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	230 J[ab]	5.2 U	5.6 U	4.3 U
cis-1,3-Dichloropropene	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U
Cyclohexane	11 UJ	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U	860 U	10 U	11 U	8.6 U
Dibromochloromethane	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[ab]	5.2 U[a]	5.6 U[a]	4.3 U[a]
Dichlorodifluoromethane (CFC-12)	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[a]	5.2 U	5.6 U	4.3 U
Ethylbenzene	5.6 UJ[a]	5.4 U[a]	260000 J[ab]	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[a]	5.2 U[a]	5.6 U[a]	0.28 J
Isopropyl benzene	5.6 UJ	5.4 U	57000 J[a]	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U
Methyl acetate	11 UJ	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U	860 U	10 U	11 U	8.6 U
Methyl cyclohexane	11 UJ	11 U	R	9.7 U	9.1 U	10 U	11 U	11 U	860 U	10 U	11 U	8.6 U
Methyl tert butyl ether (MTBE)	5.6 UJ[a]	5.4 U[a]	R	4.8 U[a]	4.5 U[a]	5.2 U[a]	5.5 U[a]	5.3 U[a]	430 U[a]	5.2 U[a]	5.6 U[a]	4.3 U[a]
Methylene chloride	9.0 UJ[ab]	8.6 U[ab]	33000 UJ[ab]	9.6 U[ab]	6.9 U[ab]	9.3 U[ab]	11 U[ab]	8.9 U[ab]	430 U[ab]	8.9 U[ab]	7.0 U[ab]	15 J[ab]
Styrene	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[b]	5.2 U	5.6 U	4.3 U

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Tetrachloroethene	5.6 UJ[ab]	5.4 U[ab]	R	4.8 U[ab]	4.5 U[ab]	5.2 U[ab]	5.5 U[ab]	5.3 U[ab]	430 U[ab]	5.2 U[ab]	5.6 U[ab]	1.0 J
Toluene	5.6 UJ	5.4 U	95000 J[ab]	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	66 J	0.35 J	5.6 U	0.63 J
trans-1,2-Dichloroethene	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U[ab]	5.2 U	5.6 U	4.3 U
trans-1,3-Dichloropropene	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U
Trichloroethene	8.4 J[ab]	5.4 U[ab]	R	4.8 U[ab]	4.5 U[ab]	5.2 U[ab]	5.5 U[ab]	5.3 U[ab]	2500[ab]	0.83 J[a]	5.6 U[ab]	0.37 J[a]
Trichlorofluoromethane (CFC-11)	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U
Trifluorotrichloroethane (Freon 113)	5.6 UJ	5.4 U	R	4.8 U	4.5 U	5.2 U	5.5 U	5.3 U	430 U	5.2 U	5.6 U	4.3 U
Vinyl chloride	5.6 UJ[ab]	5.4 U[ab]	R	4.8 U[ab]	4.5 U[ab]	5.2 U[ab]	5.5 U[ab]	5.3 U[ab]	430 U[ab]	5.2 U[ab]	5.6 U[ab]	4.3 U[ab]
Xylenes (total)	11 UJ	11 U	2000000 J[ab]	9.7 U	9.1 U	10 U	11 U	11 U	860 U[a]	10 U	11 U	8.6 U
PCBs												
Aroclor-1016 (PCB-1016)	-	-	-	-	-	34 U	-	-	-	-	-	34 U
Aroclor-1221 (PCB-1221)	-	-	-	-	-	34 U[a]	-	-	-	-	-	34 U[a]
Aroclor-1232 (PCB-1232)	-	-	-	-	-	34 U[a]	-	-	-	-	-	34 U[a]
Aroclor-1242 (PCB-1242)	-	-	-	-	-	34 U[a]	-	-	-	-	-	34 U[a]
Aroclor-1248 (PCB-1248)	-	-	-	-	-	34 U[a]	-	-	-	-	-	34 U[a]
Aroclor-1254 (PCB-1254)	-	-	-	-	-	34 U[a]	-	-	-	-	-	34 U[a]
Aroclor-1260 (PCB-1260)	-	-	-	-	-	34 U[a]	-	-	-	-	-	34 U[a]

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:	***BH62-13***	***BH63-13***	***BH64-13***	***BH65-13***	***BH66-13***	***BH66-13***	***BH67-13***	***BH67-13***	***BH68-13***	***BH68-13***	***BH69-13***
Sample ID:	***S-38443-061913-JT-008***	***S-38443-062013-JC-020***	***S-38443-061913-JC-016***	***S-38443-062013-JC-031***	***S-38443-062613-JC-054***	***S-38443-062613-JC-055***	***S-38443-062013-JC-032***	***S-38443-062013-JC-033***	***S-38443-061913-JC-017***	***S-38443-061913-JC-018***	***S-38443-062113-JC-035***
	6/19/2013	***6/20/2013***	***6/19/2013***	***6/20/2013***	***6/26/2013***	***6/26/2013***	***6/20/2013***	***6/20/2013***	***6/19/2013***	***6/19/2013***	***6/21/2013***
Sample Depth:	***21.5-23.5 ft BGS***	***23-25 ft BGS***	***22-24 ft BGS***	***22.1-24.1 ft BGS***	***10-12 ft BGS***	***22-24 ft BGS***	***7-9 ft BGS***	***21-23 ft BGS***	***0.5-2.5 ft BGS***	***21.5-23.5 ft BGS***	***21-23 ft BGS***
Parameter											
Volatile Organic Compounds											
1,1,1-Trichloroethane	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]	5.0 U	270 U[b]	4.3 U	4.7 U
1,1,2,2-Tetrachloroethane	5.0 U[a]	4.7 U[a]	4.1 U[a]	5.1 U[a]	11000 U[a]	5.8 U[a]	3600 U[a]	5.0 U[a]	270 U[a]	4.3 U[a]	4.7 U[a]
1,1,2-Trichloroethane	5.0 U[ab]	4.7 U[ab]	4.1 U[ab]	5.1 U[ab]	11000 U[ab]	5.8 U[ab]	3600 U[ab]	5.0 U[ab]	270 U[ab]	4.3 U[ab]	4.7 U[ab]
1,1-Dichloroethane	5.0 U[a]	4.7 U[a]	4.1 U[a]	1.1 J[a]	11000 U[a]	5.8 U[a]	3600 U[a]	5.0 U[a]	270 U[a]	4.3 U[a]	4.7 U[a]
1,1-Dichloroethene	5.0 U[b]	4.7 U[b]	4.1 U[b]	5.1 U[b]	11000 U[ab]	5.8 U[b]	3600 U[ab]	5.0 U[b]	270 U[ab]	4.3 U[b]	4.7 U[b]
1,2,4-Trichlorobenzene	5.0 U[a]	4.7 U[a]	4.1 U[a]	5.1 U[a]	11000 U[ab]	5.8 U[a]	210 J[ab]	5.0 U[a]	270 U[ab]	4.3 U[a]	4.7 U[a]
1,2-Dibromo-3-chloropropane (DBCP)	10 U[ab]	9.5 U[ab]	8.1 U[ab]	10 U[ab]	23000 UJ[ab]	12 UJ[ab]	7200 U[ab]	10 U[ab]	540 U[ab]	8.6 U[ab]	9.4 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	5.0 U[ab]	4.7 U[ab]	4.1 U[ab]	5.1 U[ab]	11000 U[ab]	5.8 U[ab]	3600 U[ab]	5.0 U[ab]	270 U[ab]	4.3 U[ab]	4.7 U[ab]
1,2-Dichlorobenzene	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]	5.0 U	270 U	1.1 J	4.7 U
1,2-Dichloroethane	5.0 U[ab]	4.7 U[ab]	4.1 U[ab]	5.1 U[ab]	11000 U[ab]	5.8 U[ab]	3600 U[ab]	5.0 U[ab]	270 U[ab]	4.3 U[ab]	4.7 U[ab]
1,2-Dichloropropane	5.0 U[ab]	4.7 U[ab]	4.1 U[ab]	5.1 U[ab]	11000 U[ab]	5.8 U[ab]	3600 U[ab]	5.0 U[ab]	270 U[ab]	4.3 U[ab]	4.7 U[ab]
1,3-Dichlorobenzene	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	170 J	5.0 U	270 U	4.3 U	4.7 U
1,4-Dichlorobenzene	5.0 U[a]	4.7 U[a]	4.1 U[a]	5.1 U[a]	11000 U[ab]	5.8 U[a]	3600 U[ab]	5.0 U[a]	270 U[ab]	1.7 J[a]	4.7 U[a]
2-Butanone (Methyl ethyl ketone) (MEK)	1.9 J	5.1 J	16 U	20 U	46000 U[a]	2.4 J	14000 U[a]	20 U	1100 U[a]	17 U	19 U
2-Hexanone	20 U[a]	19 U[a]	16 U[a]	20 U[a]	46000 U[a]	23 U[a]	14000 U[a]	20 U[a]	1100 U[a]	17 U[a]	19 U[a]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	20 U	19 U	16 U	20 U	46000 U[a]	23 U	14000 U[a]	20 U	1100 U[a]	1.5 J	19 U
Acetone	21 U	33 U	16 U	20 U	46000 U[a]	23 U	4500 J[a]	20 U	1100 U	21 U	19 U
Benzene	5.0 U[ab]	0.22 J[a]	4.1 U[ab]	0.38 J[a]	11000 U[ab]	5.8 U[ab]	3600 U[ab]	5.0 U[ab]	270 U[ab]	4.3 U[ab]	4.7 U[ab]
Bromodichloromethane	5.0 U[a]	4.7 U[a]	4.1 U[a]	5.1 U[a]	11000 U[ab]	5.8 U[a]	3600 U[ab]	5.0 U[a]	270 U[ab]	4.3 U[a]	4.7 U[a]
Bromoform	5.0 U[a]	4.7 U[a]	4.1 U[a]	5.1 U[a]	11000 U[ab]	5.8 U[a]	3600 U[ab]	5.0 U[a]	270 U[ab]	4.3 U[a]	4.7 U[a]
Bromomethane (Methyl bromide)	5.0 U[a]	4.7 UJ[a]	4.1 U[a]	5.1 UJ[a]	11000 U[a]	5.8 U[a]	3600 UJ[a]	5.0 U[a]	270 U[a]	4.3 UJ[a]	4.7 U[a]
Carbon disulfide	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[a]	1.4 J	3600 U[a]	5.0 U	270 U[a]	4.3 U	4.7 U
Carbon tetrachloride	5.0 U[ab]	4.7 U[ab]	4.1 U[ab]	5.1 U[ab]	11000 U[ab]	5.8 U[ab]	3600 U[ab]	5.0 U[ab]	270 U[ab]	4.3 U[ab]	4.7 U[ab]
Chlorobenzene	0.39 J	2.0 J	4.1 U	5.1 U	1000 J[ab]	2.9 J	320 J[ab]	0.49 J	270 U[ab]	0.87 J	4.7 U
Chloroethane	5.0 U	4.7 UJ	4.1 U	5.1 UJ	11000 U[a]	5.8 U	3600 UJ	5.0 U	270 U	4.3 UJ	4.7 U
Chloroform (Trichloromethane)	5.0 U[a]	4.7 U[a]	4.1 U[a]	5.1 U[a]	11000 U[ab]	5.8 U[a]	3600 U[ab]	5.0 U[a]	270 U[ab]	4.3 U[a]	4.7 U[a]
Chloromethane (Methyl chloride)	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[a]	5.8 U	3600 U[a]	5.0 U	270 U[a]	4.3 U	4.7 U
cis-1,2-Dichloroethene	0.64 J	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	890 J[ab]	2.0 J	270 U[ab]	4.3 U	6.7
cis-1,3-Dichloropropene	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U
Cyclohexane	10 U	9.5 U	8.1 U	0.38 J	23000 U[a]	12 U	7200 U	10 U	540 U	8.6 U	9.4 U
Dibromochloromethane	5.0 U[a]	4.7 U[a]	4.1 U[a]	5.1 U[a]	11000 U[ab]	5.8 U[a]	3600 U[ab]	5.0 U[a]	270 U[ab]	4.3 U[a]	4.7 U[a]
Dichlorodifluoromethane (CFC-12)	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[a]	5.8 U	3600 U[a]	5.0 U	270 U	4.3 U	4.7 U
Ethylbenzene	0.35 J	4.7 U[a]	4.1 U[a]	0.47 J	56000[ab]	1.1 J	59000[ab]	5.0 U[a]	270 U[a]	4.3 U[a]	4.7 U[a]
Isopropyl benzene	5.0 U	4.7 U	4.1 U	5.1 U	13000[a]	5.8 U	3600[a]	5.0 U	270 U	4.3 U	4.7 U
Methyl acetate	10 U	9.5 U	8.1 U	10 U	23000 U[a]	12 U	650 J	10 U	150 J	8.6 U	9.4 U
Methyl cyclohexane	10 U	0.33 J	8.1 U	0.67 J	53000	0.78 J	790 J	10 U	37 J	8.6 U	9.4 U
Methyl tert butyl ether (MTBE)	5.0 U[a]	4.7 U[a]	4.1 U[a]	5.1 U[a]	11000 U[a]	5.8 U[a]	3600 U[a]	5.0 U[a]	270 U[a]	4.3 U[a]	4.7 U[a]
Methylene chloride	8.1 U[ab]	4.4 J[ab]	5.9 U[ab]	5.0 J[ab]	20000 U[ab]	11 U[ab]	4000[ab]	6.3 UJ[ab]	270 U[ab]	11 J[ab]	4.9 UJ[ab]
Styrene	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]	5.0 U	270 U[b]	4.3 U	4.7 U

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Tetrachloroethene	5.0 U[ab]	4.7 U[ab]	4.1 U[b]	5.1 U[ab]	11000 U[ab]	5.8 U[ab]	3600 U[ab]	5.0 U[ab]	270 U[ab]	4.3 U[b]	3.9 J[b]
Toluene	0.94 J	0.56 J	0.40 J	1.3 J	11000 U[ab]	2.0 J	1400 J[ab]	0.86 J	24 J	0.39 J	0.46 J
trans-1,2-Dichloroethene	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[ab]	5.8 U	3600 U[ab]	5.0 U	270 U[ab]	4.3 U	4.7 U
trans-1,3-Dichloropropene	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U
Trichloroethene	5.0 U[ab]	4.7 U[ab]	1.4 J[a]	5.1 U[ab]	11000 U[ab]	5.8 U[ab]	1800 J[ab]	1.9 J[ab]	180 J[ab]	4.3 U[ab]	25[ab]
Trichlorofluoromethane (CFC-11)	5.0 U	4.7 U	4.1 U	5.1 U	11000 U[a]	5.8 U	3600 U[a]	5.0 U	270 U	4.3 U	4.7 U
Trifluorotrichloroethane (Freon 113)	5.0 U	4.7 U	4.1 U	5.1 U	11000 U	5.8 U	3600 U	5.0 U	270 U	4.3 U	4.7 U
Vinyl chloride	5.0 U[ab]	4.7 U[ab]	4.1 U[ab]	5.1 U[ab]	11000 U[ab]	5.8 U[ab]	3600 U[ab]	5.0 U[ab]	270 U[ab]	4.3 U[ab]	4.7 U[ab]
Xylenes (total)	10 U	9.5 U	8.1 U	10 U	140000[ab]	2.9 J	73000[ab]	10 U	110 J	8.6 U	9.4 U
PCBs											
Aroclor-1016 (PCB-1016)	35 U	-	-	35 U	75 U	40 U	2000 U[a]	39 U	-	-	35 U
Aroclor-1221 (PCB-1221)	35 U[a]	-	-	35 U[a]	75 U[a]	40 U[a]	2000 U[a]	39 U[a]	-	-	35 U[a]
Aroclor-1232 (PCB-1232)	35 U[a]	-	-	35 U[a]	75 U[a]	40 U[a]	2000 U[a]	39 U[a]	-	-	35 U[a]
Aroclor-1242 (PCB-1242)	35 U[a]	-	-	35 U[a]	380[a]	40 U[a]	2000 U[a]	44[a]	-	-	35 U[a]
Aroclor-1248 (PCB-1248)	35 U[a]	-	-	35 U[a]	75 U[a]	40 U[a]	2000 U[a]	39 U[a]	-	-	35 U[a]
Aroclor-1254 (PCB-1254)	35 U[a]	-	-	35 U[a]	300 NJ[a]	40 UJ[a]	16000[a]	290[a]	-	-	35 U[a]
Aroclor-1260 (PCB-1260)	35 U[a]	-	-	35 U[a]	75 UJ[a]	40 UJ[a]	2000 U[a]	39 U[a]	-	-	35 U[a]

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:	***BH69-13***	***BH70-13***	***BH71-13***	***BH72-13***	***BH73-13***	***BH74-13***	***BH74-13***	***BH75-13***	***BH75-13***	***BH76-13***	***BH76-13***	***BH77-13***
Sample ID:	***S-38443-062113-JC-036***	***S-38443-062113-JC-034***	***S-38443-062013-JT-025***	***S-38443-062013-JT-026***	***S-38443-062013-JT-024***	***S-38443-062013-JT-022***	***S-38443-062013-JT-023***	***S-38443-062513-JT-045***	***S-38443-062513-JT-046***	***S-38443-062513-JC-052***	***S-38443-062513-JC-053***	***S-38443-062513-JT-047***
	6/21/2013	***6/21/2013***	***6/20/2013***	***6/20/2013***	***6/20/2013***	***6/20/2013***	***6/20/2013***	***6/25/2013***	***6/25/2013***	***6/25/2013***	***6/25/2013***	***6/25/2013***
Sample Depth:	***21-23 ft BGS***	***19-20 ft BGS***	***21.5-23.5 ft BGS***	***18.75-20.75 ft BGS***	***18.5-20.5 ft BGS***	***0-2 ft BGS***	***19-21 ft BGS***	***0-2 ft BGS***	***20-22 ft BGS***	***8-10 ft BGS***	***18-20 ft BGS***	***20-22 ft BGS***
	Duplicate											
Parameter												
Volatile Organic Compounds												
1,1,1-Trichloroethane	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U[b]	4.5 U	260 U[b]	11 U	290 U[b]
1,1,2,2-Tetrachloroethane	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 U[a]	6.5 U[a]	5.6 U[a]	970 U[a]	4.5 U[a]	260 U[a]	11 UJ[a]	290 U[a]
1,1,2-Trichloroethane	4.4 U[ab]	5.3 U[ab]	5.5 U[ab]	4.8 U[ab]	5.6 U[ab]	6.5 U[ab]	5.6 U[ab]	970 U[ab]	4.5 U[ab]	260 U[ab]	11 U[ab]	290 U[ab]
1,1-Dichloroethane	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 U[a]	6.5 U[a]	5.6 U[a]	560 J[a]	4.5 U[a]	260 U[a]	1.3 J[a]	290 U[a]
1,1-Dichloroethene	4.4 U[b]	5.3 U[b]	5.5 U[b]	4.8 U[b]	5.6 U[b]	6.5 U[b]	5.6 U[b]	970 U[ab]	4.5 U[b]	260 U[ab]	11 U[b]	290 U[ab]
1,2,4-Trichlorobenzene	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 U[a]	6.5 U[a]	5.6 U[a]	970 U[ab]	4.5 U[a]	260 U[ab]	11 UJ[a]	130 J[a]
1,2-Dibromo-3-chloropropane (DBCP)	8.8 U[ab]	11 U[ab]	11 U[ab]	9.5 U[ab]	11 U[ab]	13 U[ab]	11 U[ab]	1900 U[ab]	9.0 U[ab]	520 U[ab]	23 UJ[ab]	580 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	4.4 U[ab]	5.3 U[ab]	5.5 U[ab]	4.8 U[ab]	5.6 U[ab]	6.5 U[ab]	5.6 U[ab]	970 U[ab]	4.5 U[ab]	260 U[ab]	11 U[ab]	290 U[ab]
1,2-Dichlorobenzene	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U[ab]	4.5 U	260 U	11 UJ	290 U[a]
1,2-Dichloroethane	4.4 U[ab]	5.3 U[ab]	5.5 U[ab]	4.8 U[ab]	5.6 U[ab]	6.5 U[ab]	5.6 U[ab]	970 U[ab]	4.5 U[ab]	260 U[ab]	11 U[ab]	290 U[ab]
1,2-Dichloropropane	4.4 U[ab]	5.3 U[ab]	5.5 U[ab]	4.8 U[ab]	5.6 U[ab]	6.5 U[ab]	5.6 U[ab]	970 U[ab]	4.5 U[ab]	260 U[ab]	11 U[ab]	290 U[ab]
1,3-Dichlorobenzene	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U	260 U	11 UJ	180 J
1,4-Dichlorobenzene	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 U[a]	6.5 U[a]	5.6 U[a]	970 U[ab]	4.5 U[a]	260 U[ab]	11 UJ[a]	2900[ab]
2-Butanone (Methyl ethyl ketone) (MEK)	18 U	21 U	22 U	19 U	22 U	26 U	22 U	3900 U[a]	3.8 J	1000 U	45 U	1200 U[a]
2-Hexanone	18 U[a]	21 U[a]	22 U[a]	19 U[a]	22 U[a]	26 U[a]	22 U[a]	3900 U[a]	18 U[a]	1000 U[a]	45 U[a]	1200 U[a]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	18 U	21 U	22 U	19 U	22 U	26 U	22 U	3900 U[a]	1.0 J	100 J	45 U	1200 U[a]
Acetone	18 U	21 U	22 U	36 U	22 U	26 U	22 U	6300 U[a]	26 UJ	1400 U	61 UJ	1900 U
Benzene	4.4 U[ab]	5.3 U[ab]	5.5 U[ab]	0.88 J[a]	5.6 U[ab]	6.5 U[ab]	5.6 U[ab]	200 J[ab]	0.78 J[a]	260 U[ab]	11 U[ab]	320[ab]
Bromodichloromethane	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 U[a]	6.5 U[a]	5.6 U[a]	970 U[ab]	4.5 U[a]	260 U[ab]	11 U[a]	290 U[ab]
Bromoform	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 U[a]	6.5 U[a]	5.6 U[a]	970 U[ab]	4.5 U[a]	260 U[ab]	11 U[a]	290 U[ab]
Bromomethane (Methyl bromide)	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 UJ[a]	6.5 UJ[a]	5.6 UJ[a]	970 UJ[a]	4.5 UJ[a]	260 UJ[a]	11 UJ[a]	290 UJ[a]
Carbon disulfide	4.4 U	5.3 U	5.5 U	0.72 J	5.6 U	6.5 U	5.6 U	970 U[a]	4.5 U	260 U[a]	11 U	290 U[a]
Carbon tetrachloride	4.4 U[ab]	5.3 U[ab]	5.5 U[ab]	4.8 U[ab]	5.6 U[ab]	6.5 U[ab]	5.6 U[ab]	970 U[ab]	4.5 U[ab]	260 U[ab]	11 U[ab]	290 U[ab]
Chlorobenzene	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	630 J[ab]	2.7 J	260 U[ab]	11 U	1400[ab]
Chloroethane	4.4 U	5.3 U	5.5 U	4.8 U	5.6 UJ	6.5 UJ	5.6 UJ	970 UJ	4.5 UJ	260 UJ	63 J	290 UJ
Chloroform (Trichloromethane)	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 U[a]	0.40 J[a]	5.6 U[a]	970 U[ab]	4.5 U[a]	260 U[ab]	11 U[a]	290 U[ab]
Chloromethane (Methyl chloride)	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U[a]	4.5 U	260 U[a]	11 U	290 U[a]
cis-1,2-Dichloroethene	2.2 J	0.39 J	5.5 U	34[ab]	5.6 U	6.5 U	5.6 U	970 U[ab]	4.5 U	260 U[ab]	11 U[a]	290 U[ab]
cis-1,3-Dichloropropene	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U
Cyclohexane	8.8 U	11 U	11 U	2.3 J	11 U	13 U	11 U	1900 U	0.38 J	520 U	23 U	580 U
Dibromochloromethane	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 U[a]	6.5 U[a]	5.6 U[a]	970 U[ab]	4.5 U[a]	260 U[ab]	11 U[a]	290 U[ab]
Dichlorodifluoromethane (CFC-12)	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	R	4.5 U	R	11 U	R
Ethylbenzene	4.4 U[a]	5.3 U[a]	5.5 U[a]	1.8 J[a]	0.35 J	6.5 U[a]	5.6 U[a]	1400[ab]	0.34 J	38 J[a]	11 U[a]	54 J[a]
Isopropyl benzene	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	790 J[a]	4.5 U	18 J	11 U	1000[a]
Methyl acetate	8.8 U	11 U	11 U	9.5 U	11 U	13 U	11 U	110 J	9.0 U	68 J	23 U	230 J
Methyl cyclohexane	8.8 U	11 U	11 U	2.8 J	11 U	13 U	11 U	530 J	1.3 J	520 U	23 U	970
Methyl tert butyl ether (MTBE)	4.4 U[a]	5.3 U[a]	5.5 U[a]	4.8 U[a]	5.6 U[a]	6.5 U[a]	5.6 U[a]	970 U[a]	4.5 U[a]	260 U[a]	2.0 J	290 U[a]
Methylene chloride	7.6 UJ[ab]	5.3 UJ[ab]	5.5 UJ[ab]	4.8 UJ[ab]	8.8 J[ab]	8.9 J[ab]	7.4 J[ab]	3100 U[ab]	14 J[ab]	870 U[ab]	33 J[ab]	960 U[ab]
Styrene	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U[b]	4.5 U	260 U[b]	11 U	290 U[b]

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Tetrachloroethene	1.2 J	1.2 J	5.5 U[ab]	3.1 J[b]	5.6 U[ab]	6.5 U[ab]	5.6 U[ab]	970 U[ab]	4.5 U[ab]	260 U[ab]	11 U[ab]	290 U[ab]
Toluene	4.4 U	0.53 J	0.69 J	3.5 J	0.65 J	6.5 U	0.47 J	1500[ab]	0.67 J	31 J	11 U	76 J
trans-1,2-Dichloroethene	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U[ab]	4.5 U	260 U[ab]	11 U	290 U[ab]
trans-1,3-Dichloropropene	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U
Trichloroethene	9.0[ab]	110[ab]	3.6 J[ab]	80[ab]	5.6 U[ab]	3.3 J[ab]	0.71 J[a]	130 J[ab]	4.5 U[ab]	260 U[ab]	11 U[ab]	290 U[ab]
Trichlorofluoromethane (CFC-11)	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U[a]	4.5 U	260 U	11 U	290 U
Trifluorotrichloroethane (Freon 113)	4.4 U	5.3 U	5.5 U	4.8 U	5.6 U	6.5 U	5.6 U	970 U	4.5 U	260 U	11 U	290 U
Vinyl chloride	4.4 U[ab]	5.3 U[ab]	5.5 U[ab]	4.8 U[ab]	5.6 U[ab]	6.5 U[ab]	5.6 U[ab]	970 U[ab]	4.5 U[ab]	260 U[ab]	11 U[ab]	290 U[ab]
Xylenes (total)	8.8 U	11 U	11 U	3.3 J	11 U	13 U	11 U	8100[a]	9.0 U	130 J	23 U	280 J[a]
PCBs												
Aroclor-1016 (PCB-1016)	36 U	-	-	-	35 U	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	36 U[a]	-	-	-	35 U[a]	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	36 U[a]	-	-	-	35 U[a]	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	36 U[a]	-	-	-	35 U[a]	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	36 U[a]	-	-	-	35 U[a]	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	36 U[a]	-	-	-	35 U[a]	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	36 U[a]	-	-	-	35 U[a]	-	-	-	-	-	-	-

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:	***BH78-13***	***BH78-13***	***BH79-13***	***BH79-13***	***BH80-13***	***BH81-13***	***BH81-13***	***BH82-13***	***BH83-13***	***BH83-13***	***BH84-13***
Sample ID:	***S-38443-062513-JT-043***	***S-38443-062513-JT-044***	***S-38443-062613-JC-056***	***S-38443-062613-JC-057***	***S-38443-062413-SM-042***	***S-38443-062613-JC-070***	***S-38443-062613-JC-071***	***S-38443-062413-JC-039***	***S-38443-062413-SM-030***	***S-38443-062413-SM-041***	***S-38443-062613-JT-048***
	6/25/2013	***6/25/2013***	***6/26/2013***	***6/26/2013***	***6/24/2013***	***6/26/2013***	***6/26/2013***	***6/24/2013***	***6/24/2013***	***6/24/2013***	***6/26/2013***
Sample Depth:	***20-22 ft BGS***	***20-22 ft BGS***	***4-6 ft BGS***	***21-23 ft BGS***	***22.5-24.5 ft BGS***	***15-17 ft BGS***	***22-24 ft BGS***	***19-21 ft BGS***	***5-7.5 ft BGS***	***20.2-22.2 ft BGS***	***2-4 ft BGS***
		Duplicate									
Parameter											
Volatile Organic Compounds											
1,1,1-Trichloroethane	4.7 U	4.0 U	280 U[b]	4.3 U	5.0 U	600 U[b]	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
1,1,2,2-Tetrachloroethane	4.7 U[a]	4.0 U[a]	280 U[a]	R	5.0 U[a]	600 U[a]	5.2 U[a]	R	5.3 UJ[a]	6.4 UJ[a]	4.9 U[a]
1,1,2-Trichloroethane	4.7 U[ab]	4.0 U[ab]	280 U[ab]	4.3 U[ab]	5.0 U[ab]	600 U[ab]	5.2 U[ab]	R	5.3 U[ab]	6.4 U[ab]	4.9 U[ab]
1,1-Dichloroethane	4.7 U[a]	4.0 U[a]	280 U[a]	4.3 U[a]	5.0 U[a]	77 J[a]	5.2 U[a]	14 UJ[a]	5.3 U[a]	6.4 U[a]	1.9 J[a]
1,1-Dichloroethene	4.7 U[b]	4.0 U[b]	280 U[ab]	4.3 U[b]	5.0 U[b]	600 U[ab]	5.2 U[b]	14 UJ[b]	5.3 U[b]	6.4 U[b]	4.9 U[b]
1,2,4-Trichlorobenzene	4.7 U[a]	4.0 U[a]	280 U[ab]	R	5.0 U[a]	600 U[ab]	5.2 U[a]	R	5.3 UJ[a]	6.4 UJ[a]	4.9 U[a]
1,2-Dibromo-3-chloropropane (DBCP)	9.5 U[ab]	8.0 U[ab]	560 U[ab]	R	10 U[ab]	1200 U[ab]	10 UJ[ab]	R	11 UJ[ab]	13 UJ[ab]	9.8 UJ[ab]
1,2-Dibromoethane (Ethylene dibromide)	4.7 U[ab]	4.0 U[ab]	280 U[ab]	4.3 U[ab]	5.0 U[ab]	600 U[ab]	5.2 U[ab]	R	5.3 U[ab]	6.4 U[ab]	4.9 U[ab]
1,2-Dichlorobenzene	4.7 U	4.0 U	280 U[a]	6.9 J	5.0 U	600 U[ab]	5.2 U	R	5.3 UJ	6.4 UJ	4.9 U
1,2-Dichloroethane	4.7 U[ab]	4.0 U[ab]	280 U[ab]	4.3 U[ab]	5.0 U[ab]	600 U[ab]	5.2 U[ab]	14 UJ[ab]	5.3 U[ab]	6.4 U[ab]	4.9 U[ab]
1,2-Dichloropropane	4.7 U[ab]	4.0 U[ab]	280 U[ab]	4.3 U[ab]	5.0 U[ab]	600 U[ab]	5.2 U[ab]	14 UJ[ab]	5.3 U[ab]	6.4 U[ab]	4.9 U[ab]
1,3-Dichlorobenzene	4.7 U	4.0 U	23 J	1.7 J	5.0 U	600 U	5.2 U	4.0 J	5.3 UJ	6.4 UJ	4.9 U
1,4-Dichlorobenzene	4.7 U[a]	4.0 U[a]	280 U[ab]	18 J[a]	5.0 U[a]	600 U[ab]	5.2 U[a]	R	5.3 UJ[a]	6.4 UJ[a]	4.9 U[a]
2-Butanone (Methyl ethyl ketone) (MEK)	3.8 J	3.8 J	1100 U[a]	3.7 J	5.3 J	2400 U[a]	4.4 J	19 J	9.8 J	16 J	6.1 J
2-Hexanone	19 U[a]	16 U[a]	1100 U[a]	17 U[a]	20 U[a]	2400 U[a]	21 U[a]	R	21 U[a]	26 U[a]	20 U[a]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	0.64 J	16 U	1100 U[a]	17 U	20 U	2400 U[a]	21 U	56 J	21 U	26 U	20 U
Acetone	24 UJ	26 UJ	1100 U	27 U	38 U	2400 U	28 U	210 UJ	94 U	81 U	39 U
Benzene	0.23 J[a]	1.3 J[a]	280 U[ab]	4.3 U[ab]	0.25 J[a]	38 J[ab]	0.62 J[a]	14 UJ[ab]	0.32 J[a]	1.6 J[a]	4.9 U[ab]
Bromodichloromethane	4.7 U[a]	4.0 U[a]	280 U[ab]	4.3 U[a]	5.0 U[a]	600 U[ab]	5.2 U[a]	R	5.3 U[a]	6.4 U[a]	4.9 U[a]
Bromoform	4.7 U[a]	4.0 U[a]	280 U[ab]	4.3 U[a]	5.0 U[a]	600 U[ab]	5.2 U[a]	R	5.3 U[a]	6.4 U[a]	4.9 U[a]
Bromomethane (Methyl bromide)	4.7 UJ[a]	4.0 UJ[a]	280 UJ[a]	4.3 U[a]	5.0 UJ[a]	600 UJ[a]	5.2 U[a]	14 UJ[a]	5.3 UJ[a]	6.4 UJ[a]	4.9 U[a]
Carbon disulfide	0.47 J	0.93 J	18 J	1.4 J	5.0 U	600 U[a]	2.4 J	2.9 J	2.8 J	0.58 J	4.9 U
Carbon tetrachloride	4.7 U[ab]	4.0 U[ab]	280 U[ab]	4.3 U[ab]	5.0 U[ab]	600 U[ab]	5.2 U[ab]	14 UJ[ab]	5.3 U[ab]	6.4 U[ab]	4.9 U[ab]
Chlorobenzene	4.7 U	0.37 J	280 U[ab]	56[a]	0.39 J	600 U[ab]	12	R	5.3 U	2.1 J	1.4 J
Chloroethane	4.7 UJ	4.0 UJ	280 UJ	4.3 U	5.0 UJ	600 UJ	5.2 U	14 UJ	5.3 UJ	6.4 UJ	4.9 U
Chloroform (Trichloromethane)	4.7 U[a]	0.25 J[a]	280 U[ab]	4.3 U[a]	5.0 U[a]	600 U[ab]	5.2 U[a]	14 UJ[a]	0.34 J[a]	6.4 U[a]	4.9 U[a]
Chloromethane (Methyl chloride)	4.7 U	4.0 U	280 U[a]	4.3 U	5.0 U	600 U[a]	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
cis-1,2-Dichloroethene	4.7 U	4.0 U	280 U[ab]	4.3 U	5.0 U	580 J[ab]	5.2 U	14 UJ[a]	5.3 U	6.4 U	4.9 U
cis-1,3-Dichloropropene	4.7 U	4.0 U	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Cyclohexane	9.5 U	0.50 J	560 U	1.5 J	10 U	1200 U	2.0 J	27 UJ	11 U	1.1 J	9.8 U
Dibromochloromethane	4.7 U[a]	4.0 U[a]	280 U[ab]	4.3 U[a]	5.0 U[a]	600 U[ab]	5.2 U[a]	R	5.3 U[a]	6.4 U[a]	4.9 U[a]
Dichlorodifluoromethane (CFC-12)	4.7 U	4.0 U	280 U	4.3 U	5.0 U	600 U[a]	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Ethylbenzene	0.57 J	0.45 J	93 J[a]	0.69 J	5.0 U[a]	5300[ab]	1.6 J[a]	R	1.4 J	6.4 U[a]	0.95 J
Isopropyl benzene	0.34 J	0.46 J	88 J	0.71 J	5.0 U	330 J	4.9 J	R	5.3 U	6.4 U	4.9 U
Methyl acetate	9.5 U	8.0 U	190 J	8.7 U	10 U	230 J	10 U	27 UJ	11 U	13 U	9.8 U
Methyl cyclohexane	9.5 U	1.2 J	75 J	2.8 J	10 U	200 J	1.5 J	1.5 J	11 U	2.7 J	9.8 U
Methyl tert butyl ether (MTBE)	4.7 U[a]	4.0 U[a]	280 U[a]	4.3 U[a]	5.0 U[a]	600 U[a]	5.2 U[a]	14 UJ[a]	5.3 U[a]	6.4 U[a]	4.9 U[a]
Methylene chloride	13 J[ab]	13 J[ab]	310 U[ab]	9.3 U[ab]	13 U[ab]	600 U[ab]	12 U[ab]	160 UJ[ab]	16 U[ab]	21 U[ab]	7.7 U[ab]
Styrene	4.7 U	4.0 U	280 U[b]	4.3 U	5.0 U	600 U[b]	5.2 U	R	5.3 U	6.4 U	4.9 U

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Tetrachloroethene	4.7 U[ab]	4.0 U[b]	280 U[ab]	1.2 J	5.0 U[ab]	600 U[ab]	5.2 U[ab]	R	5.3 U[ab]	6.4 U[ab]	4.9 U[ab]
Toluene	0.76 J	1.0 J	100 J	1.8 J	5.0 U	390 J	1.7 J	R	5.3 U	6.4 U	4.9 U
trans-1,2-Dichloroethene	4.7 U	4.0 U	280 U[ab]	4.3 U	5.0 U	46 J[ab]	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
trans-1,3-Dichloropropene	4.7 U	4.0 U	280 U	4.3 U	5.0 U	600 U	5.2 U	R	5.3 U	6.4 U	4.9 U
Trichloroethene	4.7 U[ab]	4.0 U[ab]	280 U[ab]	4.3 U[ab]	5.0 U[ab]	1200 J[ab]	2.1 J[ab]	14 UJ[ab]	5.3 U[ab]	6.4 U[ab]	4.9 U[ab]
Trichlorofluoromethane (CFC-11)	4.7 U	4.0 U	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Trifluorotrichloroethane (Freon 113)	4.7 U	4.0 U	280 U	4.3 U	5.0 U	600 U	5.2 U	14 UJ	5.3 U	6.4 U	4.9 U
Vinyl chloride	4.7 U[ab]	4.0 U[ab]	280 U[ab]	4.3 U[ab]	5.0 U[ab]	50 J[ab]	5.2 U[ab]	59 J[ab]	5.3 U[ab]	6.4 U[ab]	1.7 J[ab]
Xylenes (total)	1.6 J	1.7 J	200 J[a]	1.9 J	10 U	7200[a]	6.4 J	R	11 U	4.0 J	1.2 J
PCBs											
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:	***BH84-13***	***BH85-13***	***BH85-13***	***BH86-13***	***BH87-13***	***BH87-13***	***BH88-13***	***BH89-13***	***BH90-13***	***BH91-13***	***BH92-13***
Sample ID:	***S-38443-062613-JT-049***	***S-38443-062513-JC-040***	***S-38443-062513-JC-051***	***S-38443-062413-JC-038***	***S-38443-062613-JC-058***	***S-38443-062613-JC-059***	***S-38443-062413-JC-037***	***S-38443-062413-SM-029***	***S-38443-070813-JL-088***	***S-38443-062713-JC-072***	***S-38443-070913-JC-089***
	6/26/2013	***6/25/2013***	***6/25/2013***	***6/24/2013***	***6/26/2013***	***6/26/2013***	***6/24/2013***	***6/24/2013***	***7/8/2013***	***6/27/2013***	***7/9/2013***
Sample Depth:	***19-21 ft BGS***	***8-10 ft BGS***	***18-20 ft BGS***	***22.5-24.5 ft BGS***	***18-20 ft BGS***	***18-20 ft BGS***	***18-20 ft BGS***	***18-20 ft BGS***	***26.5-28.5 ft BGS***	***23-25 ft BGS***	***18.8-20.8 ft BGS***
						Duplicate					
Parameter											
Volatile Organic Compounds											
1,1,1-Trichloroethane	5.2 U	460 U[b]	4.6 U	5.1 U	430 U[b]	11 UJ	12 U	5.3 U	1500[b]	10 U	4.7 U
1,1,2,2-Tetrachloroethane	5.2 U[a]	460 U[a]	4.6 U[a]	5.1 U[a]	430 U[a]	R	R	5.3 U[a]	390 U[a]	10 U[a]	4.7 U[a]
1,1,2-Trichloroethane	5.2 U[ab]	460 U[ab]	4.6 U[ab]	5.1 U[ab]	430 U[ab]	11 UJ[ab]	12 UJ[ab]	5.3 U[ab]	45 J[ab]	10 U[ab]	4.7 U[ab]
1,1-Dichloroethane	5.2 U[a]	460 U[a]	4.6 U[a]	5.1 U[a]	430 U[a]	17 J[a]	12 U[a]	5.3 U[a]	720[a]	10 U[a]	0.77 J[a]
1,1-Dichloroethene	5.2 U[b]	460 U[ab]	4.6 U[b]	5.1 U[b]	430 U[ab]	11 UJ[b]	12 U[b]	5.3 U[b]	79 J[b]	10 U[b]	4.7 U[b]
1,2,4-Trichlorobenzene	5.2 U[a]	460 U[ab]	4.6 U[a]	5.1 U[a]	430 U[ab]	R	R	5.3 U[a]	390 U[ab]	10 U[a]	4.7 U[a]
1,2-Dibromo-3-chloropropane (DBCP)	10 UJ[ab]	910 U[ab]	9.3 U[ab]	10 U[ab]	870 UJ[ab]	R	R	11 U[ab]	780 U[ab]	21 U[ab]	9.4 U[ab]
1,2-Dibromoethane (Ethylene dibromide)	5.2 U[ab]	460 U[ab]	4.6 U[ab]	5.1 U[ab]	430 U[ab]	11 UJ[ab]	12 U[ab]	5.3 U[ab]	390 U[ab]	10 U[ab]	4.7 U[ab]
1,2-Dichlorobenzene	5.2 U	460 U[a]	4.6 U	5.1 U	430 U[a]	R	R	5.3 U	390 U[a]	10 U	4.7 U
1,2-Dichloroethane	5.2 U[ab]	460 U[ab]	4.6 U[ab]	5.1 U[ab]	430 U[ab]	11 UJ[ab]	12 U[ab]	5.3 U[ab]	390 U[ab]	10 U[ab]	4.7 U[ab]
1,2-Dichloropropane	5.2 U[ab]	460 U[ab]	4.6 U[ab]	5.1 U[ab]	430 U[ab]	11 UJ[ab]	12 U[ab]	5.3 U[ab]	390 U[ab]	10 U[ab]	4.7 U[ab]
1,3-Dichlorobenzene	5.2 U	460 U	4.6 U	5.1 U	430 U	R	0.89 J	5.3 U	390 U	10 U	4.7 U
1,4-Dichlorobenzene	5.2 U[a]	460 U[ab]	4.6 U[a]	5.1 U[a]	430 U[ab]	R	R	5.3 U[a]	390 U[ab]	10 U[a]	4.7 U[a]
2-Butanone (Methyl ethyl ketone) (MEK)	21 U	1800 U[a]	19 U	12 J	1700 U[a]	43 UJ	47 U	21 U	1600 U[a]	3.0 J	19 U
2-Hexanone	21 U[a]	1800 U[a]	19 U[a]	20 U[a]	1700 U[a]	43 UJ[a]	47 UJ[a]	21 U[a]	1600 U[a]	41 U[a]	19 U[a]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	21 U	1800 U[a]	19 U	20 U	1700 U[a]	43 UJ	47 UJ	21 U	1600 U[a]	41 U	0.52 J
Acetone	21 U	2200 U	23 U	88 U	1700 U	43 UJ	92 U	21 U	1600 U	41 U	19 U
Benzene	5.2 U[ab]	460 U[ab]	4.6 U[ab]	5.1 U[ab]	430 U[ab]	11 UJ[ab]	12 U[ab]	5.3 U[ab]	390 U[ab]	10 U[ab]	0.69 J[a]
Bromodichloromethane	5.2 U[a]	460 U[ab]	4.6 U[a]	5.1 U[a]	430 U[ab]	11 UJ[a]	12 U[a]	5.3 U[a]	390 U[ab]	10 U[a]	4.7 U[a]
Bromoform	5.2 U[a]	460 U[ab]	4.6 U[a]	5.1 U[a]	430 U[ab]	11 UJ[a]	12 UJ[a]	5.3 U[a]	390 U[ab]	10 U[a]	4.7 U[a]
Bromomethane (Methyl bromide)	5.2 U[a]	460 UJ[a]	4.6 UJ[a]	5.1 UJ[a]	430 U[a]	11 UJ[a]	12 UJ[a]	5.3 UJ[a]	390 U[a]	10 U[a]	4.7 U[a]
Carbon disulfide	5.2 U	460 U[a]	4.6 U	3.2 J	430 U[a]	11 UJ	12 U	5.3 U	24 J	10 U	4.7 U
Carbon tetrachloride	5.2 U[ab]	460 U[ab]	4.6 U[ab]	5.1 U[ab]	430 U[ab]	11 UJ[ab]	12 U[ab]	5.3 U[ab]	390 U[ab]	10 U[ab]	4.7 U[ab]
Chlorobenzene	5.2 U	460 U[ab]	4.6 U	5.1 U	430 U[ab]	11 UJ	12 UJ	5.3 U	750[ab]	10 U	0.66 J
Chloroethane	5.2 U	460 UJ	4.6 UJ	5.1 UJ	430 U	19 J	12 UJ	5.3 UJ	390 U	10 U	2.3 J
Chloroform (Trichloromethane)	5.2 U[a]	460 U[ab]	4.6 U[a]	5.1 U[a]	430 U[ab]	11 UJ[a]	12 U[a]	0.40 J[a]	390 U[ab]	10 U[a]	4.7 U[a]
Chloromethane (Methyl chloride)	5.2 U	460 U[a]	4.6 U	5.1 U	430 U[a]	11 UJ	12 U	5.3 U	390 U[a]	10 U	4.7 U
cis-1,2-Dichloroethene	5.2 U	460 U[ab]	4.6 U	5.1 U	430 U[ab]	11 UJ[a]	12 U[a]	5.3 U	1100[ab]	10 U[a]	4.7 U
cis-1,3-Dichloropropene	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U	4.7 U
Cyclohexane	10 U	910 U	9.3 U	10 U	870 U	4.8 J	24 U	11 U	780 U	21 U	0.37 J
Dibromochloromethane	5.2 U[a]	460 U[ab]	4.6 U[a]	5.1 U[a]	430 U[ab]	11 UJ[a]	12 UJ[a]	5.3 U[a]	390 U[ab]	10 U[a]	4.7 U[a]
Dichlorodifluoromethane (CFC-12)	5.2 U	R	4.6 U	5.1 U	430 U[a]	11 UJ	12 U	5.3 U	R	10 U	4.7 U
Ethylbenzene	5.2 U[a]	29 J[a]	4.6 U[a]	5.1 U[a]	430 U[a]	11 UJ[a]	12 UJ[a]	5.3 U[a]	310 J[a]	10 U[a]	4.7 U[a]
Isopropyl benzene	5.2 U	210 J	4.6 U	0.27 J	430 U	11 UJ	12 UJ	5.3 U	57 J	10 U	4.7 U
Methyl acetate	10 U	910 U	9.3 U	10 U	56 J	22 UJ	24 U	11 U	300 J	21 U	2.1 J
Methyl cyclohexane	10 U	910 U	0.42 J	10 U	870 U	4.1 J	24 U	11 U	130 J	21 U	0.39 J
Methyl tert butyl ether (MTBE)	5.2 U[a]	460 U[a]	4.6 U[a]	5.1 U[a]	430 U[a]	11 UJ[a]	12 U[a]	5.3 U[a]	390 U[a]	10 U[a]	4.7 U[a]
Methylene chloride	7.9 U[ab]	1300 U[ab]	9.6 U[ab]	19 U[ab]	750 U[ab]	34 UJ[ab]	48 U[ab]	16 U[ab]	390 U[ab]	10 UJ[ab]	4.7 U[ab]
Styrene	5.2 U	460 U[b]	4.6 U	5.1 U	430 U[b]	11 UJ	12 UJ	5.3 U	390 U[b]	10 U	4.7 U

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Tetrachloroethene	5.2 U[ab]	460 U[ab]	4.6 U[ab]	5.1 U[ab]	430 U[ab]	11 UJ[ab]	12 UJ[ab]	0.69 J	34 J[ab]	10 U[ab]	4.7 U[ab]
Toluene	0.51 J	74 J	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	150 J	10 U	0.41 J
trans-1,2-Dichloroethene	5.2 U	460 U[ab]	4.6 U	5.1 U	430 U[ab]	11 UJ	12 U	5.3 U	83 J[ab]	10 U	4.7 U
trans-1,3-Dichloropropene	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 UJ	5.3 U	390 U	10 U	4.7 U
Trichloroethene	0.47 J[a]	460 U[ab]	4.6 U[ab]	5.1 U[ab]	430 U[ab]	11 UJ[ab]	12 U[ab]	36[ab]	8400 J[ab]	10 U[ab]	4.7 U[ab]
Trichlorofluoromethane (CFC-11)	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U	4.7 U
Trifluorotrichloroethane (Freon 113)	5.2 U	460 U	4.6 U	5.1 U	430 U	11 UJ	12 U	5.3 U	390 U	10 U	4.7 U
Vinyl chloride	5.2 U[ab]	460 U[ab]	4.6 U[ab]	5.1 U[ab]	430 U[ab]	18 J[ab]	12 U[ab]	5.3 U[ab]	41 J[ab]	10 U[ab]	4.7 U[ab]
Xylenes (total)	10 U	120 J	9.3 U	10 U	870 U[a]	22 UJ	24 UJ	11 U	1300[a]	21 U	9.4 U
PCBs											
Aroclor-1016 (PCB-1016)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	-	-	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	-	-	-	-	-	-	-	-	-	-	-

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SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:	***BH92-13***	***BH93-13***
Sample ID:	***S-38443-070913-JC-090***	***S-38443-062813-JC-073***
	7/9/2013	***6/28/2013***
Sample Depth:	***18.8-20.8 ft BGS***	***13-15 ft BGS***
	Duplicate	
Parameter		
Volatile Organic Compounds		
1,1,1-Trichloroethane	4.8 U	8.2 UJ
1,1,2,2-Tetrachloroethane	4.8 U[a]	R
1,1,2-Trichloroethane	4.8 U[ab]	8.2 UJ[ab]
1,1-Dichloroethane	5.6 J[a]	8.2 UJ[a]
1,1-Dichloroethene	4.8 U[b]	8.2 UJ[b]
1,2,4-Trichlorobenzene	4.8 U[a]	R
1,2-Dibromo-3-chloropropane (DBCP)	9.5 U[ab]	R
1,2-Dibromoethane (Ethylene dibromide)	4.8 U[ab]	8.2 UJ[ab]
1,2-Dichlorobenzene	4.8 U	R
1,2-Dichloroethane	4.8 U[ab]	8.2 UJ[ab]
1,2-Dichloropropane	4.8 U[ab]	8.2 UJ[ab]
1,3-Dichlorobenzene	4.8 U	R
1,4-Dichlorobenzene	4.8 U[a]	R
2-Butanone (Methyl ethyl ketone) (MEK)	19 U	33 UJ
2-Hexanone	19 U[a]	33 UJ[a]
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	19 U	33 UJ
Acetone	19 U	33 J
Benzene	0.49 J[a]	8.2 UJ[ab]
Bromodichloromethane	4.8 U[a]	8.2 UJ[a]
Bromoform	4.8 U[a]	8.2 UJ[a]
Bromomethane (Methyl bromide)	4.8 U[a]	8.2 UJ[a]
Carbon disulfide	4.8 U	8.2 UJ
Carbon tetrachloride	4.8 U[ab]	8.2 UJ[ab]
Chlorobenzene	15 J	8.2 UJ
Chloroethane	1.4 J	8.2 UJ
Chloroform (Trichloromethane)	4.8 U[a]	8.2 UJ[a]
Chloromethane (Methyl chloride)	4.8 U	8.2 UJ
cis-1,2-Dichloroethene	4.8 U	8.2 UJ
cis-1,3-Dichloropropene	4.8 U	8.2 UJ
Cyclohexane	0.31 J	16 UJ
Dibromochloromethane	4.8 U[a]	8.2 UJ[a]
Dichlorodifluoromethane (CFC-12)	4.8 U	8.2 UJ
Ethylbenzene	4.8 U[a]	8.2 UJ[a]
Isopropyl benzene	4.8 U	8.2 UJ
Methyl acetate	2.8 J	16 UJ
Methyl cyclohexane	0.35 J	16 UJ
Methyl tert butyl ether (MTBE)	4.8 U[a]	8.2 UJ[a]
Methylene chloride	4.8 U[ab]	10 UJ[ab]
Styrene	4.8 U	8.2 UJ

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Tetrachloroethene	4.8 U[ab]	41 J[ab]
Toluene	0.69 J	8.2 UJ
trans-1,2-Dichloroethene	4.8 U	8.2 UJ
trans-1,3-Dichloropropene	4.8 U	8.2 UJ
Trichloroethene	4.8 U[ab]	3.9 J[ab]
Trichlorofluoromethane (CFC-11)	4.8 U	8.2 UJ
Trifluorotrichloroethane (Freon 113)	4.8 U	8.2 UJ
Vinyl chloride	4.8 U[ab]	8.2 UJ[ab]
Xylenes (total)	9.5 U	16 UJ
PCBs		
Aroclor-1016 (PCB-1016)	-	-
Aroclor-1221 (PCB-1221)	-	-
Aroclor-1232 (PCB-1232)	-	-
Aroclor-1242 (PCB-1242)	-	-
Aroclor-1248 (PCB-1248)	-	-
Aroclor-1254 (PCB-1254)	-	-
Aroclor-1260 (PCB-1260)	-	-

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:

Sample Depth:

Parameter

Volatile Organic Compounds
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (Ethylene dibromide)
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone) (MEK)
2-Hexanone
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane (Methyl bromide)
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform (Trichloromethane)
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane
Dichlorodifluoromethane (CFC-12)
Ethylbenzene
Isopropyl benzene
Methyl acetate
Methyl cyclohexane
Methyl tert butyl ether (MTBE)
Methylene chloride
Styrene

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Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane (CFC-11)
Trifluorotrichloroethane (Freon 113)
Vinyl chloride
Xylenes (total)

PCBs
Aroclor-1016 (PCB-1016)
Aroclor-1221 (PCB-1221)
Aroclor-1232 (PCB-1232)
Aroclor-1242 (PCB-1242)
Aroclor-1248 (PCB-1248)
Aroclor-1254 (PCB-1254)
Aroclor-1260 (PCB-1260)

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:

Sample Depth:

Parameter

Volatile Organic Compounds
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (Ethylene dibromide)
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone) (MEK)
2-Hexanone
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane (Methyl bromide)
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform (Trichloromethane)
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane
Dichlorodifluoromethane (CFC-12)
Ethylbenzene
Isopropyl benzene
Methyl acetate
Methyl cyclohexane
Methyl tert butyl ether (MTBE)
Methylene chloride
Styrene

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Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane (CFC-11)
Trifluorotrichloroethane (Freon 113)
Vinyl chloride
Xylenes (total)

PCBs
Aroclor-1016 (PCB-1016)
Aroclor-1221 (PCB-1221)
Aroclor-1232 (PCB-1232)
Aroclor-1242 (PCB-1242)
Aroclor-1248 (PCB-1248)
Aroclor-1254 (PCB-1254)
Aroclor-1260 (PCB-1260)

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:

Sample Depth:

Parameter

Volatile Organic Compounds
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (Ethylene dibromide)
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone) (MEK)
2-Hexanone
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane (Methyl bromide)
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform (Trichloromethane)
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane
Dichlorodifluoromethane (CFC-12)
Ethylbenzene
Isopropyl benzene
Methyl acetate
Methyl cyclohexane
Methyl tert butyl ether (MTBE)
Methylene chloride
Styrene

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Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane (CFC-11)
Trifluorotrichloroethane (Freon 113)
Vinyl chloride
Xylenes (total)

PCBs
Aroclor-1016 (PCB-1016)
Aroclor-1221 (PCB-1221)
Aroclor-1232 (PCB-1232)
Aroclor-1242 (PCB-1242)
Aroclor-1248 (PCB-1248)
Aroclor-1254 (PCB-1254)
Aroclor-1260 (PCB-1260)

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:

Sample Depth:

Parameter

Volatile Organic Compounds
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (Ethylene dibromide)
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone) (MEK)
2-Hexanone
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane (Methyl bromide)
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform (Trichloromethane)
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane
Dichlorodifluoromethane (CFC-12)
Ethylbenzene
Isopropyl benzene
Methyl acetate
Methyl cyclohexane
Methyl tert butyl ether (MTBE)
Methylene chloride
Styrene

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Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane (CFC-11)
Trifluorotrichloroethane (Freon 113)
Vinyl chloride
Xylenes (total)

PCBs
Aroclor-1016 (PCB-1016)
Aroclor-1221 (PCB-1221)
Aroclor-1232 (PCB-1232)
Aroclor-1242 (PCB-1242)
Aroclor-1248 (PCB-1248)
Aroclor-1254 (PCB-1254)
Aroclor-1260 (PCB-1260)

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:

Sample Depth:

Parameter

Volatile Organic Compounds
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (Ethylene dibromide)
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone) (MEK)
2-Hexanone
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane (Methyl bromide)
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform (Trichloromethane)
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane
Dichlorodifluoromethane (CFC-12)
Ethylbenzene
Isopropyl benzene
Methyl acetate
Methyl cyclohexane
Methyl tert butyl ether (MTBE)
Methylene chloride
Styrene

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Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane (CFC-11)
Trifluorotrichloroethane (Freon 113)
Vinyl chloride
Xylenes (total)

PCBs
Aroclor-1016 (PCB-1016)
Aroclor-1221 (PCB-1221)
Aroclor-1232 (PCB-1232)
Aroclor-1242 (PCB-1242)
Aroclor-1248 (PCB-1248)
Aroclor-1254 (PCB-1254)
Aroclor-1260 (PCB-1260)

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:
Sample ID:

Sample Depth:

Parameter

Volatile Organic Compounds
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (Ethylene dibromide)
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone) (MEK)
2-Hexanone
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane (Methyl bromide)
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform (Trichloromethane)
Chloromethane (Methyl chloride)
cis-1,2-Dichloroethene
cis-1,3-Dichloropropene
Cyclohexane
Dibromochloromethane
Dichlorodifluoromethane (CFC-12)
Ethylbenzene
Isopropyl benzene
Methyl acetate
Methyl cyclohexane
Methyl tert butyl ether (MTBE)
Methylene chloride
Styrene

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Tetrachloroethene
Toluene
trans-1,2-Dichloroethene
trans-1,3-Dichloropropene
Trichloroethene
Trichlorofluoromethane (CFC-11)
Trifluorotrichloroethane (Freon 113)
Vinyl chloride
Xylenes (total)

PCBs
Aroclor-1016 (PCB-1016)
Aroclor-1221 (PCB-1221)
Aroclor-1232 (PCB-1232)
Aroclor-1242 (PCB-1242)
Aroclor-1248 (PCB-1248)
Aroclor-1254 (PCB-1254)
Aroclor-1260 (PCB-1260)

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TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 64

SUMMARY OF PHASE 1A SOIL RESULTS COMPARED TO USEPA SSLs
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Notes:

All concentrations are expressed in units of micrograms per kilogram (µg/kg) unless otherwise noted.

[1] - United States Environmental Protection Agency Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites, November 2013

- - Not applicable.

J - The parameter was positively identified; however, the associated parameter concentration is estimated.

R - Rejected.

NJ - The compound was tentatively identified. The associated parameter concentration is estimated.

U - The parameter was not detected. The associated numerical value is the sample quantitation limit.

UJ - The parameter was not detected. The associated numerical value is the estimated sample quantitation limit.

Value - The value was not detected at a reporting detection limit greater than applicable criteria.

- Concentration was greater than applicable criteria.

TABLE 65

SUMMARY OF AREA 3 NAPL FIELD SCREENING OBSERVATIONS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Location	***Depth (ft bgs)***	***PID Headspace (ppm)***	***Sudan IV result***	***Sudan IV observations***	***Soil Core observations***
BH46-13	19.8 – 21.8	236.2	Positive		19.8 ft bgs: perched water 22 ft bgs: Odor, rainbow sheen, black coarse sand 30 ft bgs: silty sand, brown 31.5 ft bgs: Clay layer
	30 – 31.5	170	Positive	red specks on sides of container, undissolved EPS bead	
	32.5 – 34	170	Positive	red specks on sides of container, undissolved EPS bead	
BH46B-13	28 – 30	0	Negative		28 ft bgs: native sand and gravel, brown, wet
BH47-13	4 – 6	173	Negative		0.4 – 6.5 ft bgs: well graded sand and gravel fill, tan and dark gray, dry
	21.5 – 23	0	Negative		21.5 ft bgs: 1.2' perched water, wet sand
	26.5 – 28.5	0	Negative		26.5 ft bgs: well graded sand and gravel, tan, wet
BH48-13	27 – 29	30	Slight positive	pink bead	28.8 – 30 ft bgs: sand and gravel, dark gray, sheen, odor
	30 – 31	14.3	Slight positive	pink bead	31 – 33.8: clay, trace fine gravel, little coarse sand, cohesive, brown, dry
	33.8 – 35	--	Negative		33.8 – 35: sand, well graded, brown, wet
BH48B-13	29 – 31	0	Negative		20.6 – 31 ft bgs: silty sand and gravel, tan/brown, wet at 29 ft bgs
BH49-13	15 – 16	2.5	Negative		15 – 16 ft bgs: perched water in silt
	21.5 – 23.5	0	Negative		19.5 – 29 ft bgs: sand and gravel, well graded, brown/tan, wet at 21.5 ft bgs
	27.1 – 29.1	0	Negative		
BH50-13	24.5 – 26.5	171	Slight Positive	red	24.5 ft bgs: Sand and gravel, tan/brown, wet, odor, at the water table

TABLE 66

SUMMARY OF AREA 5 NAPL FIELD SCREENING OBSERVATIONS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Location	*Depth (ft bgs)*	*PID Headspace (ppm)*	*Sudan IV result*	*Sudan IV observations*	*Soil Core observations*
BH57-13	23 – 25	0	Negative		Sand and gravel, tan to brown, wet at 23 ft bgs
BH58-13	21.5 – 23.5	0	Negative		Sand with gravel, tan, wet at 23.5 ft bgs
BH59-13	7.5	61.8	Negative		1.2' perched water at 7.5 ft bgs
	22.5 – 24.5	374	Negative		Sand with gravel, tan/light brown, wet at 22.5 ft bgs
BH60-13	5.75 – 9.75	0	Negative		1' perched water in silty sand at 5.8 ft bgs
	22 – 24	0	Negative		Sand with gravel, tan, wet at 22 ft bgs
BH61-13	23.2 – 25.2	1	Negative		Sand and Gravel, wet at 23.2 ft bgs
BH63-13	25 – 27	0	Negative		Gravel and sand, brown, wet at 25 ft bgs
BH64-13	24 – 26	0	Negative		Sand, with gravel, wet at 24 ft bgs
BH65-13	24.1 – 26.1	0	Negative		Sand and Gravel, brown/tan, wet at 24.1 ft bgs
BH66-13	24 – 26	1.1	Negative		Sand and Gravel, tan, wet at 24 ft bgs
BH67-13	23 – 25	0.6	Negative		Sand and Gravel, brown, wet at 23 ft bgs
BH68-13	9 – 10	0.8	Negative		Sand (Fill), black, perched water, slight odor from 9.5 to 14. 5 ft bgs
					Sand (native), gray/off-white, moist
	13 – 14	52.2	Positive	Red layer on top of water	Sand and Gravel, gray, wet at 23.5 ft bgs
	23.5 – 25.5	8.6	Negative		
BH69-13	23 – 25	6.3	Positive	Red layer on top of water, red	Sand and Gravel, wet at 23 ft bgs, gray staining and odor from 24.7 – 25.4 ft bgs
BH70-13	22.5 – 24.5	0	Negative		Sand, wet at 22.5 ft bgs (top of water table)
	30.5 – 32.5	0	Negative		Sand, above clay layer (32.5 – 33.6 ft bgs)
	33.6 – 35	0	Negative		Sand and gravel, well graded, dry, below clay layer
BH71-13	23.5 – 25.5	0	Negative		Sand (native) with gravel, tan/brown, wet at 23.5 ft bgs (top of water table), above till layer (31.25 ft
BH72-13	20.75 – 22.75	32.9	Positive	Red layer on top of water	Strong odors and staining, black at 22.3 ft bgs
BH73-13	6.33 – 7.33	7.1	Negative		1.0' perched water at 6.3 ft bgs
	20.5 – 22.5	0	Negative		0.3' thick gray section at 20.4 ft bgs
BH74-13	21 – 23	23.1	Negative		Sand with gravel, tan/brown, wet at 21 ft bgs

TABLE 67

SUMMARY OF AREA 6 NAPL FIELD SCREENING OBSERVATIONS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Location	***Depth (ft bgs)***	***PID Headspace (ppm)***	***Sudan IV result***	***Sudan IV observations***	***Soil Core observations***
BH75-13	15.25 – 17	0	Negative		1.75' perched water at 15.3 ft bgs
	22 – 24	0	Negative		Sand with gravel, tan, wet at 22 ft bgs
BH76-13	22.5 – 24.5	0	Negative		Sand, black, wet at 22.5 ft bgs
	24 – 26	1.6	Negative		Clay layer at 26 ft bgs
BH77-13	22 – 24	20.9	Negative		Sand with silt and gravel, dark brown, gray, wet
BH78-13	22 – 24	0	Negative		Sand with gravel, tan, wet at 22.5 ft bgs
BH79-13	23 – 25	2.1	Negative		Sand and Gravel, brown/gray, wet at 23 ft bgs
BH80-13	24.5 – 26.5	0	Negative		Sand with gravel, gray, wet at 24.5 ft bgs
BH81-13	24 – 26	76.6	Negative		Sand, black, wet at 24.0 ft bgs
BH82-13	21 – 23	0	Negative		Sand, trace silt, black/dark gray, wet at 21 ft bgs
BH83-13	22.4 – 24.4	0	Negative		Sand and Gravel, wet at 22.4 ft bgs
BH84-13	11 – 11.8	12.3	Negative		0.8' perched water at 11 ft bgs
	21 – 23	0	Negative		Sand with gravel, tan, wet at 21 ft bgs
BH85-13	12 – 13	2	Negative		Sand, black, dry, white gravel at 12 ft bgs
	22.5 – 24.5	0	Negative		Sand, wet at 22.5 ft bgs, black at 22.8 ft bgs
	50 – 52	0	Negative		Sand, between clay (Till) layers
	55 – 57	0	Negative		Sand, below clay layer
BH86-13	24.5 – 26.5	0	Negative		Sand, light gray, wet at 24.5 ft bgs
BH87-13	22 – 24	0	Negative		Sand, brown, wet
BH88-13	12.5 – 13	11.2	Positive	Trace red beading on sides of container,	Black sand, slight sheen, light odor
	22 – 24	4.5	Slight Positive	pink bead	Sand, black, wet at 22 ft bgs
					Slight odor noted from 25.3 – 30 ft bgs
BH89-13	30.2 – 32.2	0	Negative		Sand and Silt, trace gravel, above clay layer

TABLE 68

SUMMARY OF MW-210 AREA NAPL FIELD SCREENING OBSERVATIONS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Location	*Depth (ft bgs)*	*PID Headspace (ppm)*	*Sudan IV result*	*Sudan IV observations*	*Soil Core observations*
BH01-13	21.5 – 23.5	0	Negative		At water table
BH02-13	20.5 – 22.5	9.4	Negative		At water table
BH03-13	21.75 – 23.75	0	Negative		At water table
	30.4 – 32.4	0	Negative		Above first clay (Till) layer (32.4 – 34.4 ft bgs) Immediately below first clay (Till) layer
	34.4 – 35	0	Negative		Black, chemical odor from 40.7 – 42.1 ft bgs. Sand, trace gravel, tan/brown layer (34.4 – 57 ft bgs),
	40.66 – 42.66	637	Positive	red	between two clay (Till) layers. Second till layer encountered at 57 - 58 ft bgs
BH04-13	20.3 – 22.3	0	Negative		At water table
BH05-13	20 – 22	0	Negative		At water table
	31 – 32	0.5	Negative		Above clay (Till) layer (32 – 39.2 ft bgs)
	39.2 – 40	0	Negative		Immediately below clay (Till) layer
	53 – 55	833	Positive	red	Solvent odor from 52 – 60 ft bgs
	55 – 57	407	Negative		Dark gray staining from 55.5 – 57 ft bgs
BH06-13	21 – 23	0	Negative		At water table
BH07-13	3.5 – 5	0	Negative		Fly ash-like material
	21 – 23	0	Negative		At water table
BH08-13	21.5 – 23.5	0	Negative		At water table
	34	0	Negative		Clay (Till) Layer (34 – 45 ft bgs)
	45 – 47	0	Negative		Immediately below first clay (Till) Layer.
BH09-13	20.5	0	Negative		At water table
BH10-13	18 – 20	0	Negative		Above water table
BH11-13	20.5 – 21.5	0	Negative		At water table
BH12-13	20.5 – 22.5	0	Negative		At water table
BH13-13	20.5 – 22.5	0	Negative		At water table
BH14-13	20.5 – 22	0	Negative		At water table
BH15-13	20.5 – 22.5	0	Negative		At water table
BH16-13	20.5 – 22.5	0	Negative		At water table
BH17-13	20.5 – 22.5	0	Negative		At water table. 0.25' thick coarse gravel layer at 21 ft bgs
BH18-13	20.5 – 22.5	0	Negative		At water table
BH19-13	20.5 – 22.5	0	Negative		Below water table (wet at 18.3 ft bgs)
BH20-13	19.5 – 21.5	0	Negative		At water table
					Off-white cobble fragments and flour at 18.5 ft bgs
BH21-13	18.25 – 20.25	0	Negative		At water table
BH22-13	20.4 – 22.4	0	Negative		At water table
BH23-13	19.5 – 21.2	0	Negative		At water table
BH24-13	19.6 – 21.6	0	Negative		At water table
BH25-13	20.75 – 22.75	0	Negative		At water table

TABLE 69

SUMMARY OF TP-3 AREA NAPL FIELD SCREENING OBSERVATIONS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Location	***Depth (ft bgs)***	***PID Headspace (ppm)***	***Sudan IV result***	***Sudan IV observations***	***Soil Core observations***
BH90-13	14 – 15	0	Negative		Perched water in black, medium grained sand
	28.5 – 30.5	0	Negative		Sand/Silt, black
	38.5 – 40.5	1.4	Negative		Sand, black, wet, at water table, above clay layer
BH91-13	26 – 28	0	Negative		At water table, black sand, poorly graded
	37.7 – 39.7	8.2	Positive	Red	Black staining, above clay layer
BH92-13	15.5 – 17	1	Negative		Perched water, silty sand
	20.8 – 22.8	1.3	Slight Positive	Light pink	At water table, in black sand layer
	41 – 43	1.4	Negative		Above clay layer
	44.2 – 46.2	0	Negative		Below clay layer
BH93-13	18.5-20.5	0	Negative		At water table, Sand, black
	39 - 41	0	Negative		Above clay layer, in black sand layer
	45 - 47	0	Negative		Below clay layer

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:		***TT-29***	***TT-29***
Sample ID:		***W-38443-062013-GL-001***	***W-38443-062013-GL-002***
Sample Date:		***6/20/2013***	***6/20/2013***
Parameter	***Units***		
TCLP Volatiles			
1,1-Dichloroethene	mg/L	0.025 U	0.025 U
1,2-Dichloroethane	mg/L	0.025 U	0.025 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.25 U	0.25 U
Benzene	mg/L	0.025 U	0.025 U
Carbon tetrachloride	mg/L	0.025 U	0.025 U
Chlorobenzene	mg/L	0.025 U	0.025 U
Chloroform (Trichloromethane)	mg/L	0.025 U	0.025 U
Tetrachloroethene	mg/L	0.025 U	0.025 U
Trichloroethene	mg/L	0.025 U	0.025 U
Vinyl chloride	mg/L	0.025 U	0.025 U
TCLP Semi-Volatiles			
1,4-Dichlorobenzene	mg/L	0.0040 U	0.0040 U
2,4,5-Trichlorophenol	mg/L	0.020 U	0.020 U
2,4,6-Trichlorophenol	mg/L	0.020 U	0.020 U
2,4-Dinitrotoluene	mg/L	0.020 U	0.020 U
2-Methylphenol	mg/L	0.0040 U	0.0040 U
3&4-Methylphenol	mg/L	0.040 U	0.040 U
Hexachlorobenzene	mg/L	0.020 U	0.020 U
Hexachlorobutadiene	mg/L	0.020 U	0.020 U
Hexachloroethane	mg/L	0.020 U	0.020 U
Nitrobenzene	mg/L	0.0040 U	0.0040 U
Pentachlorophenol	mg/L	0.040 U	0.040 U
Pyridine	mg/L	0.020 U	0.020 U
TCLP Metals			
Arsenic	mg/L	0.0064 JB	0.0045 JB
Barium	mg/L	0.13 JB	0.22 JB
Cadmium	mg/L	0.00069 J	0.0027 J
Chromium	mg/L	0.0061 J	0.0091 J
Lead	mg/L	0.011 J	0.035 J
Mercury	mg/L	0.0020 U	0.0020 U
Selenium	mg/L	0.25 U	0.25 U

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L	Silver	mg/L	0.50 U
PCBs		***PCBs***		
Aroclor-1016 (PCB-1016)	ug/kg	Aroclor-1016 (PCB-1016)	ug/kg	36 U
Aroclor-1221 (PCB-1221)	ug/kg	Aroclor-1221 (PCB-1221)	ug/kg	36 U
Aroclor-1232 (PCB-1232)	ug/kg	Aroclor-1232 (PCB-1232)	ug/kg	36 U
Aroclor-1242 (PCB-1242)	ug/kg	Aroclor-1242 (PCB-1242)	ug/kg	36 U
Aroclor-1248 (PCB-1248)	ug/kg	Aroclor-1248 (PCB-1248)	ug/kg	37
Aroclor-1254 (PCB-1254)	ug/kg	Aroclor-1254 (PCB-1254)	ug/kg	36 U
Aroclor-1260 (PCB-1260)	ug/kg	Aroclor-1260 (PCB-1260)	ug/kg	36 U
TCLP Pesticides		***TCLP Pesticides***		
Chlordane	mg/L	Chlordane	mg/L	0.0050 U
Endrin	mg/L	Endrin	mg/L	0.00050 U
gamma-BHC (lindane)	mg/L	gamma-BHC (lindane)	mg/L	0.00050 U*
Heptachlor	mg/L	Heptachlor	mg/L	0.00050 U
Heptachlor epoxide	mg/L	Heptachlor epoxide	mg/L	0.00050 U
Methoxychlor	mg/L	Methoxychlor	mg/L	0.0010 U
Toxaphene	mg/L	Toxaphene	mg/L	0.020 U
TCLP Herbicides		***TCLP Herbicides***		
2,4,5-TP (Silvex)	mg/L	2,4,5-TP (Silvex)	mg/L	0.00050 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	0.0020 U
General Chemistry		***General Chemistry***		
Corrosivity	s.u.	Corrosivity	s.u.	7.50
Cyanide (total)	mg/kg	Cyanide (total)	mg/kg	0.53 U
Flash point (closed cup)	deg F	Flash point (closed cup)	deg F	180 >
Sulfide	mg/kg	Sulfide	mg/kg	33 U

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:		***TT-29***
Sample ID:		***W-38443-062013-GL-002***
Sample Date:		***6/20/2013***
Parameter	***Units***	
TCLP Volatiles		
1,1-Dichloroethene	mg/L	0.025 U
1,2-Dichloroethane	mg/L	0.025 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.25 U
Benzene	mg/L	0.025 U
Carbon tetrachloride	mg/L	0.025 U
Chlorobenzene	mg/L	0.025 U
Chloroform (Trichloromethane)	mg/L	0.025 U
Tetrachloroethene	mg/L	0.025 U
Trichloroethene	mg/L	0.025 U
Vinyl chloride	mg/L	0.025 U
TCLP Semi-Volatiles		
1,4-Dichlorobenzene	mg/L	0.0040 U
2,4,5-Trichlorophenol	mg/L	0.020 U
2,4,6-Trichlorophenol	mg/L	0.020 U
2,4-Dinitrotoluene	mg/L	0.020 U
2-Methylphenol	mg/L	0.0040 U
3&4-Methylphenol	mg/L	0.040 U
Hexachlorobenzene	mg/L	0.020 U
Hexachlorobutadiene	mg/L	0.020 U
Hexachloroethane	mg/L	0.020 U
Nitrobenzene	mg/L	0.0040 U
Pentachlorophenol	mg/L	0.040 U
Pyridine	mg/L	0.020 U
TCLP Metals		
Arsenic	mg/L	0.0045 JB
Barium	mg/L	0.22 JB
Cadmium	mg/L	0.0027 J
Chromium	mg/L	0.0091 J
Lead	mg/L	0.035 J
Mercury	mg/L	0.0020 U
Selenium	mg/L	0.25 U

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L	0.50 U
PCBs		
Aroclor-1016 (PCB-1016)	ug/kg	39 U
Aroclor-1221 (PCB-1221)	ug/kg	39 U
Aroclor-1232 (PCB-1232)	ug/kg	39 U
Aroclor-1242 (PCB-1242)	ug/kg	39 U
Aroclor-1248 (PCB-1248)	ug/kg	33 J
Aroclor-1254 (PCB-1254)	ug/kg	39 U
Aroclor-1260 (PCB-1260)	ug/kg	39 U
TCLP Pesticides		
Chlordane	mg/L	0.0050 U
Endrin	mg/L	0.00050 U
gamma-BHC (lindane)	mg/L	0.00018 J*
Heptachlor	mg/L	0.00050 U
Heptachlor epoxide	mg/L	0.00050 U
Methoxychlor	mg/L	0.0010 U
Toxaphene	mg/L	0.020 U
TCLP Herbicides		
2,4,5-TP (Silvex)	mg/L	0.00050 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	0.0020 U
General Chemistry		
Corrosivity	s.u.	8.35
Cyanide (total)	mg/kg	0.60 U
Flash point (closed cup)	deg F	180 >
Sulfide	mg/kg	36 U

Notes:

* - LCS or LCSD exceeds the control limits.

> - Greater than amount reported.

B - Compound was found in the blank and sample.

J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.

> - Greater than amount reported.

B - Compound was found in the blank and sample.

J - Estimated concentration.

U - Not detected at the associated reporting limit.

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.

> - Greater than amount reported.

B - Compound was found in the blank and sample.

J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.

> - Greater than amount reported.

B - Compound was found in the blank and sample.

J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
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Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

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Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
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Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
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Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
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Aroclor-1260 (PCB-1260)	ug/kg
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Endrin	mg/L
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Heptachlor	mg/L
Heptachlor epoxide	mg/L
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Aroclor-1260 (PCB-1260)	ug/kg
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Endrin	mg/L
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Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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Aroclor-1232 (PCB-1232)	ug/kg
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Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
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TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
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Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
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Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
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B - Compound was found in the blank and sample.
J - Estimated concentration.

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
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TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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MORAINE, OHIO

Sample Location:

Sample ID:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
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Trichloroethene	mg/L
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2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
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TCLP Metals	
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Aroclor-1254 (PCB-1254)	ug/kg
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TCLP Pesticides	
Chlordane	mg/L
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Heptachlor	mg/L
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TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
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General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
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Notes:

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Parameter	***Units***
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TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
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2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
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TCLP Metals	
Arsenic	mg/L
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Aroclor-1254 (PCB-1254)	ug/kg
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TCLP Pesticides	
Chlordane	mg/L
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gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
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TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
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General Chemistry	
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Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
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2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
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Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

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SOUTH DAYTON DUMP AND LANDFILL SITE
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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.

> - Greater than amount reported.

B - Compound was found in the blank and sample.

J - Estimated concentration.

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
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Hexachloroethane	mg/L
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Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
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Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
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TCLP Herbicides	
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General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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MORAINE, OHIO

Sample Location:

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Parameter	***Units***
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1,1-Dichloroethene	mg/L
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Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
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Trichloroethene	mg/L
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TCLP Semi-Volatiles	
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2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
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Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
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Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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MORAINE, OHIO

Sample Location:

Sample ID:

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Parameter	***Units***
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1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
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Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
J - Estimated concentration.

U - Not detected at the associated reporting limit.

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Sample Location:

Sample ID:

Sample Date:

Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

TABLE 70

SUMMARY OF PHASE 1A WASTE CHARACTERIZATION ANALYTICAL RESULTS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

* - LCS or LCSD exceeds the control limits.
> - Greater than amount reported.

B - Compound was found in the blank and sample.
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Sample Location:

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Parameter	***Units***
TCLP Volatiles	
1,1-Dichloroethene	mg/L
1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
Selenium	mg/L

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SOUTH DAYTON DUMP AND LANDFILL SITE
MORAINE, OHIO

Silver	mg/L
PCBs	
Aroclor-1016 (PCB-1016)	ug/kg
Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
Aroclor-1242 (PCB-1242)	ug/kg
Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
Methoxychlor	mg/L
Toxaphene	mg/L
TCLP Herbicides	
2,4,5-TP (Silvex)	mg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L
General Chemistry	
Corrosivity	s.u.
Cyanide (total)	mg/kg
Flash point (closed cup)	deg F
Sulfide	mg/kg

Notes:

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Parameter	***Units***
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1,2-Dichloroethane	mg/L
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L
Benzene	mg/L
Carbon tetrachloride	mg/L
Chlorobenzene	mg/L
Chloroform (Trichloromethane)	mg/L
Tetrachloroethene	mg/L
Trichloroethene	mg/L
Vinyl chloride	mg/L
TCLP Semi-Volatiles	
1,4-Dichlorobenzene	mg/L
2,4,5-Trichlorophenol	mg/L
2,4,6-Trichlorophenol	mg/L
2,4-Dinitrotoluene	mg/L
2-Methylphenol	mg/L
3&4-Methylphenol	mg/L
Hexachlorobenzene	mg/L
Hexachlorobutadiene	mg/L
Hexachloroethane	mg/L
Nitrobenzene	mg/L
Pentachlorophenol	mg/L
Pyridine	mg/L
TCLP Metals	
Arsenic	mg/L
Barium	mg/L
Cadmium	mg/L
Chromium	mg/L
Lead	mg/L
Mercury	mg/L
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Aroclor-1248 (PCB-1248)	ug/kg
Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
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TCLP Metals	
Arsenic	mg/L
Barium	mg/L
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MORAINE, OHIO

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Aroclor-1221 (PCB-1221)	ug/kg
Aroclor-1232 (PCB-1232)	ug/kg
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Aroclor-1254 (PCB-1254)	ug/kg
Aroclor-1260 (PCB-1260)	ug/kg
TCLP Pesticides	
Chlordane	mg/L
Endrin	mg/L
gamma-BHC (lindane)	mg/L
Heptachlor	mg/L
Heptachlor epoxide	mg/L
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