

TABLE I
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
MILL ROCK PARK PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID: MRP-HA101-MW-S1 MRP-HA101-MW-S2 MRP-HA101-MW-S3 MRP-HA101-MW-S4AMRP-HA101-MW-S4B MRP-HA202-MW S1 MRP-HA202-MW S2							
			Sample Date:	9-Aug-02	9-Aug-02	9-Aug-02	9-Aug-02	9-Aug-02	10/25/2004	10/25/2004
			Sample Depth (ft bgs):	0-2	2-4	5-7	7-8	8-8.8	0-2	2-4
			Soil Type:	EF	DRF	DRF	DRF	AD	EF / MF	MF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	--	--	--	
Toluene	500,000	20,000	ND	ND	ND	ND	--	--	--	
Semi-Volatile Organic Compounds (ug/kg):										
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	ND	ND	
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	ND	ND	--	--	
Acenaphthene	1,000,000	8,400	ND	1500	ND	ND	ND	ND	ND	
Acenaphthylene	1,000,000	8,400	330	450	1000	280	ND	ND	ND	
Anthracene	1,000,000	40,000	340	3100	1300	350	ND	ND	ND	
Benzo[a]anthracene	1,000	1,000	1100	8100	3700	1300*	ND	470	ND	
Benzo[a]pyrene	1,000	1,000	1400	8500	4500	1500*	ND	750	350	
Benzo[b]fluoranthene	1,000	1,000	1800	12000	5500	1800*	ND	970	430	
Benzo[g,h,i]perylene	1,000,000	4,200	810	4200	2600	830	ND	500	ND	
Benzo[k]fluoranthene	8,400	1,000	740	4700	2300	810	ND	ND	ND	
Benzyl Alcohol	NE	NE	ND	ND	ND	ND	ND	--	--	
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	ND	--	ND	ND	
Carbazole	31,000	1,000	230	4700	760	ND	--	ND	ND	
Chrysene	84,000	1,000	1300	8800	3800	1300*	ND	570	ND	
Dibenz[a,h]anthracene	1,000	1,000	230	1400	690	ND	ND	ND	ND	
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	ND	ND	
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	1,000,000	5,600	2300	17000	8400	3200	ND	700	450	
Fluorene	1,000,000	5,600	ND	1600	300	ND	ND	ND	ND	
Indeno[1,2,3-cd]pyrene	1,000	1,000	980	5400	3100	1000	ND	420	ND	
Naphthalene	1,000,000	5,600	ND	1000	290	ND	ND	ND	ND	
Phenanthrene	1,000,000	4,000	1200	15000	4500	1400	ND	ND	ND	
Pyrene	1,000,000	4,000	2200	15000	7500	2900	ND	830	430	
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	120	330	ND	230	--	ND	ND	
Chlorinated Pesticides (ug/kg):										
4,4-DDE	1,800	NE	ND	ND	ND	ND	--	--	--	
Polychlorinated Biphenyls (ug/kg):										
	1,000	0.5	ND	ND	ND	ND	--	--	--	

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	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date: 9-Aug-02	Sample Date: 9-Aug-02	Sample Date: 9-Aug-02	Sample Date: 9-Aug-02	Sample Date: 9-Aug-02	Sample Date: 9-Aug-02	Sample Date: 10/25/2004	Sample Date: 10/25/2004
			Sample Depth (ft bgs): 0-2	Sample Depth (ft bgs): 2-4	Sample Depth (ft bgs): 5-7	Sample Depth (ft bgs): 7-8	Sample Depth (ft bgs): 8-8.8	Sample Depth (ft bgs): 0-2	Sample Depth (ft bgs): 2-4	
			Soil Type: EF	Soil Type: DRF	Soil Type: DRF	Soil Type: DRF	Soil Type: AD	Soil Type: EF / MF	Soil Type: MF	
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--	ND	2.7	ND	9.7	--	--	--	
Arsenic	10	--	5	7.8	5.5	9.7	1.4	2.7	3	
Barium	4,700	--	--	--	--	--	--	57	66	
Beryllium	2	--	ND	ND	ND	ND	--	--	--	
Cadmium	34	--	ND	ND	ND	ND	--	ND	ND	
Chromium	NE	--	--	--	--	--	--	7.4	6.3	
Copper	2,500	--	40	400	32	260	--	--	--	
Lead	400	--	130	390	29	870	23	230	180	
Mercury	20	--	0.53	0.22	ND	0.23	--	ND	ND	
Nickel	1,400	--	8	9.2	8.9	13	--	--	--	
Selenium	340	--	ND	ND	ND	3	--	ND	ND	
Silver	340	--	ND	5.4	ND	ND	--	ND	ND	
Zinc	20,000	--	110	320	120	560	--	67	77	
SPLP Metals (mg/l):										
Arsenic	--	0.05	--	--	--	--	--	ND	ND	
Barium	--	1	--	--	--	--	--	0.56	0.23	
Cadmium	--	0.005	--	--	--	--	--	ND	ND	
Chromium	--	0.05	--	--	--	--	--	ND	ND	
Lead	--	0.015	--	--	--	--	--	0.039	0.023	
Mercury	--	0.002	--	--	--	--	--	ND	ND	
Selenium	--	0.05	--	--	--	--	--	ND	ND	
Silver	--	0.036	--	--	--	--	--	ND	ND	
Zinc	--	5	--	--	--	--	--	0.4	0.27	
Total Cyanide (mg/kg):	1,400	NE	ND	ND	ND	ND	--	--	--	

- Notes:
- This table includes only those compounds which were detected.
 - RSR criteria means Remedial Standard Regulation criteria established by the Connecticut Department of Environmental Protection (CTDEP)
 - ND means the compound was not detected above minimum laboratory detection limit.
 - NE means no criteria established by CTDEP for listed compound.
 - Compound not analyzed for or not applicable.
 - ug/kg means micrograms per kilogram; mg/kg means milligrams per kilogram
 - mg/l means milligram per litre.
 - Analytical results as reported above the GAPMC are presented in bold type. Values in a box exceed RDEC.
 - * Indicates GAPMC does not apply; sample collected within groundwater table
 - RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
 - The above 'Soil Type' was described by Haley & Aldrich, Inc. as the following:
 - EF:** Earthen Fill: Soil fill, including topsoil which typically does not contain man-made artifacts but at some locations may contain variable amounts of root matter, cobbles, boulders and construction/demolition debris such as concrete, asphalt and brick
 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
 - MF:** Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fill
 - AD:** Alluvial Deposits: Organic rich deposits associated with former intermittent watercourse and wetlands.
 - GD:** Glaciodeltaic Deposits: Glacial meltwater deposits consisting primarily of sand and silt.

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PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID: MRP-HA202-MW S4	MRP-HA202-MW S6	MRP-HA211 S1	MRP-HA211G S1	MRP-HA211 S2	MRP-HA211G S2	MRP-HA211 S4
			Sample Date: 10/25/2004	10/25/2004	11/4/2004	11/4/2004	11/4/2004	11/5/2004	11/4/2004
			Sample Depth (ft bgs): 6-8	10-12	0.2-2	0.2-2	2-4	2-4	6-8
			Soil Type: MF	GD	MF	MF	MF	MF	GD
			Sample Type:			DUPLICATE		DUPLICATE	
Volatile Organic Compounds (ug/kg):									
Naphthalene	1,000,000	5,600	--	--	--	--	--	--	--
Toluene	500,000	20,000	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (ug/kg):									
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	--	ND
3,3-Dichlorobenzidine	1,400	330	--	--	--	--	--	--	--
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND	ND	--	ND
Acenaphthylene	1,000,000	8,400	530	ND	ND	ND	ND	--	ND
Anthracene	1,000,000	40,000	ND	ND	ND	ND	ND	--	ND
Benzo[a]anthracene	1,000	1,000	3100	ND	340	ND	ND	--	ND
Benzo[a]pyrene	1,000	1,000	3700	ND	580	ND	ND	--	ND
Benzo[b]fluoranthene	1,000	1,000	5200	ND	760	ND	ND	--	ND
Benzo[g,h,i]perylene	1,000,000	4,200	1900	ND	910	ND	ND	--	ND
Benzo[k]fluoranthene	8,400	1,000	1900	ND	ND	ND	ND	--	ND
Benzyl Alcohol	NE	NE	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	ND	ND	--	ND
Carbazole	31,000	1,000	ND	ND	ND	ND	ND	--	ND
Chrysene	84,000	1,000	3100	ND	370	ND	ND	--	ND
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	ND	ND	ND	--	ND
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	--	ND
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	ND	ND	--	ND
Fluoranthene	1,000,000	5,600	5800	ND	530	ND	ND	--	ND
Fluorene	1,000,000	5,600	ND	ND	ND	ND	ND	--	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	1900	ND	550	ND	ND	--	ND
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	--	ND
Phenanthrene	1,000,000	4,000	ND	ND	ND	ND	ND	--	ND
Pyrene	1,000,000	4,000	4400	ND	550	ND	ND	--	ND
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	190	ND	150	170	190	--	ND
Chlorinated Pesticides (ug/kg):									
4,4-DDE	1,800	NE	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg):									
	1,000	0.5	--	--	--	--	--	--	--

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	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:	10/25/2004	10/25/2004	11/4/2004	11/4/2004	11/4/2004	11/5/2004	11/4/2004
			Sample Depth (ft bgs):	6-8	10-12	0.2-2	0.2-2	2-4	2-4	6-8
			Soil Type:	MF	GD	MF	MF	MF	MF	GD
			Sample Type:					DUPLICATE		DUPLICATE
Total Metals (mg/kg):										
Antimony	27	--	--	--	--	--	--	--	--	--
Arsenic	10	--	11	ND	2.8	--	ND	ND	ND	ND
Barium	4,700	--	510	35	28	--	15	29	16	16
Beryllium	2	--	--	--	--	--	--	--	--	--
Cadmium	34	--	ND	ND	ND	--	ND	ND	ND	ND
Chromium	NE	--	18	4	4.2	--	ND	2.6	2.5	2.5
Copper	2,500	--	--	--	--	--	--	--	--	--
Lead	400	--	2100	6.8	28	--	ND	ND	ND	ND
Mercury	20	--	1.2	ND	ND	--	ND	ND	ND	ND
Nickel	1,400	--	--	--	--	--	--	--	--	--
Selenium	340	--	1.8	ND	ND	--	ND	ND	ND	ND
Silver	340	--	ND	ND	ND	--	ND	ND	ND	ND
Zinc	20,000	--	920	15	560	--	100	38	6.6	6.6
SPLP Metals (mg/l):										
Arsenic	--	0.05	ND	ND	ND	--	ND	ND	ND	ND
Barium	--	1	0.32	0.6	0.36	--	0.53	0.46	0.54	0.54
Cadmium	--	0.005	ND	ND	ND	--	ND	ND	ND	ND
Chromium	--	0.05	ND	ND	ND	--	ND	ND	ND	ND
Lead	--	0.015	ND	ND	ND	--	ND	ND	ND	ND
Mercury	--	0.002	ND	ND	ND	--	ND	ND	ND	ND
Selenium	--	0.05	ND	ND	ND	--	ND	ND	ND	ND
Silver	--	0.036	ND	ND	ND	--	ND	ND	ND	ND
Zinc	--	5	0.17	0.31	4	--	0.59	0.35	0.3	0.3
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	--	--	--	--

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 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
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			Sample Date: 10/26/2004	10/26/2004	10/26/2004	10/26/2004	12-Aug-02	12-Aug-02	12-Aug-02
			Sample Depth (ft bgs): 0-2	2-4	6-8	8-10	0-2	2-4	5-7
			Soil Type: EF/ MF	MF	DRF / AD	GD	EF	DRF	DRF
			Sample Type:						
Volatile Organic Compounds (ug/kg):									
Naphthalene	1,000,000	5,600	--	--	--	--	ND	ND	ND
Toluene	500,000	20,000	--	--	--	--	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):									
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	--	--	--	--	ND	ND	ND
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	ND	ND	ND	ND	310	ND	360
Anthracene	1,000,000	40,000	ND	ND	ND	ND	250	330	370
Benzo[a]anthracene	1,000	1,000	560	ND	ND	ND	1100	1300	1400
Benzo[a]pyrene	1,000	1,000	920	ND	ND	ND	1400	1600	1800
Benzo[b]fluoranthene	1,000	1,000	1200	ND	ND	ND	1800	1900	2400
Benzo[g,h,i]perylene	1,000,000	4,200	650	ND	ND	ND	730	780	930
Benzo[k]fluoranthene	8,400	1,000	420	ND	ND	ND	740	760	950
Benzyl Alcohol	NE	NE	--	--	--	--	ND	ND	ND
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	ND	1400	ND	ND
Carbazole	31,000	1,000	ND	ND	ND	ND	ND	360	ND
Chrysene	84,000	1,000	780	ND	ND	ND	1200	1800	1600
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	ND	ND	210	220	260
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	1300	ND	ND	ND	2100	3100	2800
Fluorene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	560	ND	ND	ND	910	910	1200
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	780	ND	ND
Phenanthrene	1,000,000	4,000	570	ND	ND	ND	780	2600	1000
Pyrene	1,000,000	4,000	1300	ND	ND	ND	1800	3400	2600
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	ND	ND	ND	ND	110	ND	210
Chlorinated Pesticides (ug/kg):									
4,4-DDE	1,800	NE	--	--	--	--	ND	ND	ND
Polychlorinated Biphenyls (ug/kg):									
	1,000	0.5	--	--	--	--	ND	ND	ND

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	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date: 10/26/2004	Sample Depth (ft bgs): 0-2	10/26/2004 2-4	10/26/2004 6-8	10/26/2004 8-10	12-Aug-02 0-2	12-Aug-02 2-4	12-Aug-02 5-7
			Soil Type: EF/ MF	MF	DRF / AD	GD	EF	DRF	DRF	
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--	--	--	--	--	ND	4	2	
Arsenic	10	--	2.3	26	30	ND	ND	11	6.8	
Barium	4,700	--	46	350	130	30	--	--	--	
Beryllium	2	--	--	--	--	--	4.7	ND	ND	
Cadmium	34	--	ND	1.5	6.4	ND	ND	ND	ND	
Chromium	NE	--	6.6	13	ND	4.5	--	--	--	
Copper	2,500	--	--	--	--	--	12	97	40	
Lead	400	--	69	700	320	3.4	580	910	340	
Mercury	20	--	ND	ND	1.2	ND	0.82	ND	0.44	
Nickel	1,400	--	--	--	--	--	790	11	13	
Selenium	340	--	ND	1.8	39	ND	1.5	ND	ND	
Silver	340	--	ND	ND	ND	ND	88	ND	ND	
Zinc	20,000	--	79	1200	2200	11	ND	570	450	
SPLP Metals (mg/l):										
Arsenic	--	0.05	ND	0.0054	ND	ND	--	--	--	
Barium	--	1	0.37	0.55	0.73	1.7*	--	--	--	
Cadmium	--	0.005	ND	ND	ND	ND	--	--	--	
Chromium	--	0.05	ND	ND	ND	ND	--	--	--	
Lead	--	0.015	0.024	0.031	0.037	ND	--	--	--	
Mercury	--	0.002	ND	ND	ND	ND	--	--	--	
Selenium	--	0.05	ND	ND	0.011	ND	--	--	--	
Silver	--	0.036	ND	ND	ND	ND	--	--	--	
Zinc	--	5	0.34	0.54	1.8	0.86	--	--	--	
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	ND	ND	ND	

- Notes:
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			Sample Date:	12-Aug-02	10/27/2004	10/27/2004	10/27/2004	10/27/2004	10/27/2004	10/27/2004
			Sample Depth (ft bgs):	7.5-9	0.8-2.0	2-3.5	4-6	6-7.3	8-10	10-12
			Soil Type:	GD	DRF	EF	MF	DRF	AD	AD
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
Naphthalene	1,000,000	5,600	--	ND	9.4	--	ND	ND	ND	ND
Toluene	500,000	20,000	--	34	ND	--	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
2-Methyl Naphthalene	474,000	980	ND	1100	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	ND	ND	--	--	--	--	--	--
Acenaphthene	1,000,000	8,400	ND	1700	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	ND	11000	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	40,000	ND	13000	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	ND	16000	ND	490	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	ND	15000	ND	530	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	ND	19000	ND	670	ND	ND	ND	ND
Benzo[g,h,i]perylene	1,000,000	4,200	ND	5800	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	8,400	1,000	ND	6300	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NE	NE	ND	ND	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	31,000	1,000	ND	16000	ND	ND	ND	ND	ND	ND
Chrysene	84,000	1,000	ND	15000	ND	510	ND	ND	ND	ND
Dibenz[a,h]anthracene	1,000	1,000	ND	1800	ND	ND	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	ND	8300	ND	ND	--	--	--	ND
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	ND	--	--	--	ND
Fluoranthene	1,000,000	5,600	ND	50000	ND	870	ND	ND	ND	ND
Fluorene	1,000,000	5,600	ND	5700	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	ND	6100	ND	ND	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	ND	1600	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	ND	57000	ND	ND	ND	ND	ND	ND
Pyrene	1,000,000	4,000	ND	42000	ND	810	ND	ND	ND	ND
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	--	350	ND	ND	280	ND	ND	ND
Chlorinated Pesticides (ug/kg):										
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg):										
	1,000	0.5	--	--	--	--	--	--	--	--

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA102-S4	MRP-HA209 S1B	MRP-HA209 S2	MRP-HA209 S3	MRP-HA209 S4	MRP-HA209 S5	MRP-HA209 S6
			Sample Date:	12-Aug-02	10/27/2004	10/27/2004	10/27/2004	10/27/2004	10/27/2004	10/27/2004
			Sample Depth (ft bgs):	7.5-9	0.8-2.0	2-3.5	4-6	6-7.3	8-10	10-12
			Soil Type:	GD	DRF	EF	MF	DRF	AD	AD
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--	--	--	--	--	--	--	--	--
Arsenic	10	--	ND	14	ND	12	42	ND	ND	ND
Barium	4,700	--	--	230	16	140	350	160	26	26
Beryllium	2	--	--	--	--	--	--	--	--	--
Cadmium	34	--	--	ND	ND	ND	ND	ND	ND	ND
Chromium	NE	--	--	15	2.7	19	110	11	5.8	5.8
Copper	2,500	--	--	--	--	--	--	--	--	--
Lead	400	--	3.9	320	6.9	350	5600	7	5	5
Mercury	20	--	--	0.67	ND	ND	ND	ND	ND	ND
Nickel	1,400	--	--	--	--	--	--	--	--	--
Selenium	340	--	--	2.9	ND	3.9	16	ND	ND	ND
Silver	340	--	--	ND	ND	ND	ND	ND	ND	ND
Zinc	20,000	--	--	650	7.6	590	2000	9.2	13	13
SPLP Metals (mg/l):										
Arsenic	--	0.05	--	ND	ND	ND	ND	ND	ND	ND
Barium	--	1	--	0.86	0.36	0.33	0.36	0.92	1.6	1.6
Cadmium	--	0.005	--	ND	ND	ND	ND	ND	ND	ND
Chromium	--	0.05	--	ND	ND	ND	ND	ND	ND	ND
Lead	--	0.015	--	0.031	ND	ND	ND	ND	ND	ND
Mercury	--	0.002	--	ND	ND	ND	ND	ND	ND	ND
Selenium	--	0.05	--	ND	ND	ND	ND	ND	ND	ND
Silver	--	0.036	--	ND	ND	ND	ND	ND	ND	ND
Zinc	--	5	--	0.78	0.22	0.51	0.19	0.72	0.67	0.67
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	--	--	--	--

- Notes:
- This table includes only those compounds which were detected.
 - RSR criteria means Remedial Standard Regulation criteria established by the Connecticut Department of Environmental Protection (CTDEP)
 - ND means the compound was not detected above minimum laboratory detection limit.
 - NE means no criteria established by CTDEP for listed compound.
 - Compound not analyzed for or not applicable.
 - ug/kg means micrograms per kilogram; mg/kg means milligrams per kilogram
 - mg/l means milligram per litre.
 - Analytical results as reported above the GAPMC are presented in bold type. Values in a box exceed RDEC.
 - * Indicates GAPMC does not apply; sample collected within groundwater table
 - RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
 - The above "Soil Type" was described by Haley & Aldrich, Inc. as the following:
 - EF:** Earthen Fill: Soil fill, including topsoil which typically does not contain man-made artifacts but at some locations may contain variable amounts of root matter, cobbles, boulders and construction/demolition debris such as concrete, asphalt and brick
 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
 - MF:** Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fill
 - AD:** Alluvial Deposits: Organic rich deposits associated with former intermittent watercourse and wetlands.
 - GD:** Glaciodeltaic Deposits: Glacial meltwater deposits consisting primarily of sand and silt.

TABLE I
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
MILL ROCK PARK PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA105-S1	MRP-HA105-S2	MRP-HA105-S3	MRP-HA105-S4	MRP-HA212 S1	MRP-HA212 S2	MRP-HA212 S3
			Sample Date:	12-Aug-02	12-Aug-02	12-Aug-02	12-Aug-02	11/4/2004	11/4/2004	11/4/2004
			Sample Depth (ft bgs):	1-2	2-4	5-7	7-9	0-2	2-4	4-6
			Soil Type:	MF	DRF	DRF	AD	MF	MF	MF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
Naphthalene	1,000,000	5,600	ND	ND	ND	--	ND	ND	--	
Toluene	500,000	20,000	ND	ND	ND	--	ND	ND	--	
Semi-Volatile Organic Compounds (ug/kg):										
2-Methyl Naphthalene	474,000	980	ND	ND	ND	--	ND	ND	ND	
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	--	ND	ND	ND	
Acenaphthene	1,000,000	8,400	ND	ND	ND	--	ND	ND	ND	
Acenaphthylene	1,000,000	8,400	530	920	ND	--	ND	ND	ND	
Anthracene	1,000,000	40,000	400	980	ND	--	ND	ND	ND	
Benzo[a]anthracene	1,000	1,000	1300	4300	ND	--	ND	ND	ND	
Benzo[a]pyrene	1,000	1,000	1800	6200	ND	--	ND	ND	340	
Benzo[b]fluoranthene	1,000	1,000	2400	8200	ND	--	ND	1500	450	
Benzo[g,h,i]perylene	1,000,000	4,200	990	3300	ND	--	ND	ND	ND	
Benzo[k]fluoranthene	8,400	1,000	980	3300	ND	--	ND	ND	ND	
Benzyl Alcohol	NE	NE	ND	ND	ND	--	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	--	ND	ND	ND	
Carbazole	31,000	1,000	ND	740	ND	--	ND	ND	ND	
Chrysene	84,000	1,000	1600	4500	ND	--	ND	ND	ND	
Dibenz[a,h]anthracene	1,000	1,000	270	1100	ND	--	ND	ND	ND	
Dibenzofuran	270,000	1,000	ND	ND	ND	--	ND	ND	ND	
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	--	ND	ND	ND	
Fluoranthene	1,000,000	5,600	2000	9500	250	--	ND	1800	450	
Fluorene	1,000,000	5,600	ND	270	ND	--	ND	ND	ND	
Indeno[1,2,3-cd]pyrene	1,000	1,000	1100	3800	ND	--	ND	ND	ND	
Naphthalene	1,000,000	5,600	ND	270	ND	--	ND	ND	ND	
Phenanthrene	1,000,000	4,000	660	5300	ND	--	ND	ND	ND	
Pyrene	1,000,000	4,000	2300	8400	220	--	ND	1900	460	
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	390	690	ND	--	260	390	69	
Chlorinated Pesticides (ug/kg):										
4,4-DDE	1,800	NE	ND	ND	ND	--	--	--	--	
Polychlorinated Biphenyls (ug/kg):										
	1,000	0.5	ND	ND	ND	--	--	--	--	

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA105-S1	MRP-HA105-S2	MRP-HA105-S3	MRP-HA105-S4	MRP-HA212 S1	MRP-HA212 S2	MRP-HA212 S3
			Sample Date:	12-Aug-02	12-Aug-02	12-Aug-02	12-Aug-02	11/4/2004	11/4/2004	11/4/2004
			Sample Depth (ft bgs):	1-2	2-4	5-7	7-9	0-2	2-4	4-6
			Soil Type:	MF	DRF	DRF	AD	MF	MF	MF
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--	5.8	7.4	2.6	--	ND	--	--	--
Arsenic	10	--	7.3	17	7.7	1.1	ND	ND	ND	ND
Barium	4,700	--	--	--	--	--	--	29	36	36
Beryllium	2	--	ND	ND	ND	--	ND	--	--	--
Cadmium	34	--	ND	ND	26	--	ND	ND	ND	ND
Chromium	NE	--	--	--	--	--	5.9	6	3.5	3.5
Copper	2,500	--	61	140	85	--	7.3	--	--	--
Lead	400	--	140	1300	160	6.7	18	18	3.1	3.1
Mercury	20	--	0.33	1	ND	--	ND	ND	ND	ND
Nickel	1,400	--	7.8	30	7.5	--	3.7	--	--	--
Selenium	340	--	4.9	8.9	2.3	--	ND	ND	ND	ND
Silver	340	--	ND	ND	ND	--	ND	ND	ND	ND
Zinc	20,000	--	310	580	2000	--	73	60	8.9	8.9
SPLP Metals (mg/l):										
Arsenic	--	0.05	--	ND	--	--	ND	ND	ND	ND
Barium	--	1	--	--	--	--	--	0.88	0.49	0.49
Cadmium	--	0.005	--	--	--	--	ND	ND	ND	ND
Chromium	--	0.05	--	--	--	--	ND	ND	ND	ND
Lead	--	0.015	--	ND	--	--	ND	ND	ND	ND
Mercury	--	0.002	--	--	--	--	ND	ND	ND	ND
Selenium	--	0.05	--	--	--	--	ND	ND	ND	ND
Silver	--	0.036	--	--	--	--	ND	ND	ND	ND
Zinc	--	5	--	--	--	--	0.49	0.75	0.42	0.42
Total Cyanide (mg/kg):	1,400	NE	ND	ND	ND	--	--	--	--	--

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 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
 - MF:** Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fill
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TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA212G S3	MRP-HA210 S1	MRP-HA210 S2	MRP-HA210 S3	MRP-HA210 S4	MRP-HA210 S5	MRP-HA203 S1
			Sample Date:	11/4/2004	10/27/2004	10/27/2004	10/27/2004	10/27/2004	10/27/2004	10/28/2004
			Sample Depth (ft bgs):	4-6	0-1.8	2-4	4-6	6-8	8-10	0-2
			Soil Type:	MF	EF	MF	DRF	AD	GD	EF
			Sample Type:	DUPLICATE						
Volatile Organic Compounds (ug/kg):										
Naphthalene	1,000,000	5,600	--	--	--	--	--	--	--	--
Toluene	500,000	20,000	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (ug/kg):										
2-Methyl Naphthalene	474,000	980	--	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	--	--	--	--	--	--	--	--
Acenaphthene	1,000,000	8,400	--	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	--	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	40,000	--	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	--	600	ND	850	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	--	890	ND	880	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	--	1200	ND	1200	ND	ND	ND	490
Benzo[g,h,i]perylene	1,000,000	4,200	--	660	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	8,400	1,000	--	430	ND	490	ND	ND	ND	ND
Benzyl Alcohol	NE	NE	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Carbazole	31,000	1,000	--	ND	ND	550	ND	ND	ND	ND
Chrysene	84,000	1,000	--	740	ND	1300	ND	ND	ND	350
Dibenz[a,h]anthracene	1,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	1,000,000	2,000	--	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	--	1300	ND	2500	ND	ND	ND	730
Fluorene	1,000,000	5,600	--	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	--	570	ND	ND	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	--	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	--	720	ND	1900	ND	ND	ND	440
Pyrene	1,000,000	4,000	--	1200	ND	2300	ND	ND	ND	620
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	--	430	ND	3100	ND	ND	ND	ND
Chlorinated Pesticides (ug/kg):										
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg):										
	1,000	0.5	--	--	--	--	--	--	--	--

TABLE I
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
MILL ROCK PARK PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Sample ID: MRP-HA212G S3 MRP-HA210 S1 MRP-HA210 S2 MRP-HA210 S3 MRP-HA210 S4 MRP-HA210 S5 MRP-HA203 S1										
	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:	11/4/2004	10/27/2004	10/27/2004	10/27/2004	10/27/2004	10/27/2004	10/27/2004	10/28/2004
			Sample Depth (ft bgs):	4-6	0-1.8	2-4	4-6	6-8	8-10	0-2	
			Soil Type:	MF	EF	MF	DRF	AD	GD	EF	
			Sample Type:	DUPLICATE							
Total Metals (mg/kg):											
Antimony	27	--	--	--	--	--	--	--	--	--	
Arsenic	10	--	ND	4.6	14	3.3	ND	ND	33	ND	
Barium	4,700	--	45	79	280	80	76	23	50	50	
Beryllium	2	--	--	--	--	--	--	--	--	--	
Cadmium	34	--	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium	NE	--	4.8	12	13	13	9.6	5.8	23	23	
Copper	2,500	--	--	--	--	--	--	--	--	--	
Lead	400	--	4.9	160	280	74	6.6	ND	130	130	
Mercury	20	--	ND	0.34	0.46	ND	ND	ND	0.31	0.31	
Nickel	1,400	--	--	--	--	--	--	--	--	--	
Selenium	340	--	ND	ND	1.8	ND	ND	ND	ND	ND	
Silver	340	--	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	20,000	--	23	97	380	250	13	8.6	57	57	
SPLP Metals (mg/l):											
Arsenic	--	0.05	ND	ND	ND	ND	ND	ND	0.013	0.013	
Barium	--	1	0.28	0.45	0.64	0.85	1	0.77	0.58	0.58	
Cadmium	--	0.005	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium	--	0.05	ND	ND	ND	ND	ND	ND	ND	ND	
Lead	--	0.015	ND	0.023	ND	0.016	ND	ND	0.014	0.014	
Mercury	--	0.002	ND	ND	ND	ND	ND	ND	ND	ND	
Selenium	--	0.05	ND	ND	ND	ND	ND	ND	ND	ND	
Silver	--	0.036	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	--	5	0.2	0.38	0.35	0.6	0.54	0.35	0.48	0.48	
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	--	--	--	--	

- Notes:
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 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA203 S2	MRP-HA203 S3	MRP-HA203 S4	MRP-HA207A S1	MRP-HA207A S2	MRP-HA207A S3	MRP-HA207A S4	
			Sample Date:	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004
			Sample Depth (ft bgs):	2-4	4-6	6-8	0-2	2-4	4-6	6-7.5	
			Soil Type:	MF	MF	AD	EF	EF	MF	AD	
			Sample Type:								
Volatile Organic Compounds (ug/kg):											
Naphthalene	1,000,000	5,600	--	--	--	--	--	ND	14	--	
Toluene	500,000	20,000	--	--	--	--	--	ND	ND	--	
Semi-Volatile Organic Compounds (ug/kg):											
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	ND	1900	ND	
3,3-Dichlorobenzidine	1,400	330	ND	ND	--	--	ND	ND	560	--	
Acenaphthene	1,000,000	8,400	1400	600	ND	ND	ND	ND	5500	ND	
Acenaphthylene	1,000,000	8,400	ND	ND	ND	ND	1400	1500	1500	ND	
Anthracene	1,000,000	40,000	2300	1500	ND	ND	1500	12000	12000	ND	
Benzo[a]anthracene	1,000	1,000	7100	3000	ND	ND	4200	27000	27000	ND	
Benzo[a]pyrene	1,000	1,000	6800	2800	ND	ND	4800	26000	26000	ND	
Benzo[b]fluoranthene	1,000	1,000	10000	4000	ND	ND	6500	35000	35000	ND	
Benzo[g,h,i]perylene	1,000,000	4,200	2300	890	ND	ND	2000	7900	7900	ND	
Benzo[k]fluoranthene	8,400	1,000	3600	1400	ND	ND	2400	13000	13000	ND	
Benzyl Alcohol	NE	NE	ND	ND	--	--	ND	ND	ND	--	
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	
Carbazole	31,000	1,000	4600	2300	ND	ND	1300	17000	17000	ND	
Chrysene	84,000	1,000	8300	3000	ND	ND	4600	28000	28000	ND	
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	ND	ND	ND	3100	3100	ND	
Dibenzofuran	270,000	1,000	ND	510	ND	ND	ND	3500	3500	ND	
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	1,000,000	5,600	20000	7900	ND	ND	8700	71000	71000	ND	
Fluorene	1,000,000	5,600	1500	750	ND	ND	ND	6400	6400	ND	
Indeno[1,2,3-cd]pyrene	1,000	1,000	2400	940	ND	ND	1900	8200	8200	ND	
Naphthalene	1,000,000	5,600	ND	490	ND	ND	ND	3900	3900	ND	
Phenanthrene	1,000,000	4,000	18000	7500	ND	ND	5100	61000	61000	ND	
Pyrene	1,000,000	4,000	16000	6200	ND	ND	8200	59000	59000	ND	
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	330	ND	ND	ND	300	910	910	ND	
Chlorinated Pesticides (ug/kg):											
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--	
Polychlorinated Biphenyls (ug/kg):											
	1,000	0.5	--	--	--	--	--	--	--	--	

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA203 S2	MRP-HA203 S3	MRP-HA203 S4	MRP-HA207A S1	MRP-HA207A S2	MRP-HA207A S3	MRP-HA207A S4
			Sample Date:	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004
			Sample Depth (ft bgs):	2-4	4-6	6-8	0-2	2-4	4-6	6-7.5
			Soil Type:	MF	MF	AD	EF	EF	MF	AD
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--		--	--	--	--	--	--	--
Arsenic	10	--		5.5	9.9	ND	ND	6	12	2.7
Barium	4,700	--		160	130	130	31	260	380	120
Beryllium	2	--		--	--	--	--	--	--	--
Cadmium	34	--		ND	ND	ND	ND	ND	1.2	ND
Chromium	NE	--		21	22	12	38	42	32	13
Copper	2,500	--		--	--	--	--	--	--	--
Lead	400	--		280	200	7.3	2.6	500	960	110
Mercury	20	--		0.39	0.44	ND	ND	ND	2.7	ND
Nickel	1,400	--		--	--	--	--	--	--	--
Selenium	340	--		ND	2.2	ND	ND	ND	ND	ND
Silver	340	--		ND	ND	ND	ND	ND	ND	ND
Zinc	20,000	--		260	420	9.5	25	310	380	280
SPLP Metals (mg/l):										
Arsenic	--	0.05		ND	ND	ND	ND	0.0047	ND	ND
Barium	--	1		0.39	0.38	1.3 *	0.3	0.63	0.49	0.34
Cadmium	--	0.005		ND	ND	ND	ND	ND	ND	ND
Chromium	--	0.05		ND	ND	ND	ND	ND	ND	ND
Lead	--	0.015		0.025	0.016	ND	ND	0.12	0.2	ND
Mercury	--	0.002		ND	ND	ND	ND	ND	ND	ND
Selenium	--	0.05		ND	ND	ND	ND	ND	ND	ND
Silver	--	0.036		ND	ND	ND	ND	ND	ND	ND
Zinc	--	5		0.28	0.32	0.97	0.24	0.53	0.44	0.33
Total Cyanide (mg/kg):	1,400	NE		--	--	--	--	--	--	--

- Notes:
- This table includes only those compounds which were detected.
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 - ND means the compound was not detected above minimum laboratory detection limit.
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 - Compound not analyzed for or not applicable.
 - ug/kg means micrograms per kilogram; mg/kg means milligrams per kilogram
 - mg/l means milligram per litre.
 - Analytical results as reported above the GAPMC are presented in bold type. Values in a box exceed RDEC.
 - * Indicates GAPMC does not apply; sample collected within groundwater table
 - RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
 - The above 'Soil Type' was described by Haley & Aldrich, Inc. as the following:
 - EF:** Earthen Fill: Soil fill, including topsoil which typically does not contain man-made artifacts but at some locations may contain variable amounts of root matter, cobbles, boulders and construction/demolition debris such as concrete, asphalt and brick
 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
 - MF:** Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fill
 - AD:** Alluvial Deposits: Organic rich deposits associated with former intermittent watercourse and wetlands.
 - GD:** Glaciodeltaic Deposits: Glacial meltwater deposits consisting primarily of sand and silt.

TABLE I
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
MILL ROCK PARK PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Sample ID: MRP-HA103-MW-S1 MRP-HA103-MW-S2 MRP-HA103-MW-S3 MRP-HA103-MW-S4 MRP-HA205 S1 MRP-HA205 S2 MRP-HA205 S3									
	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:	12-Aug-02	12-Aug-02	12-Aug-02	9-Aug-02	10/27/2004	10/27/2004	10/27/2004
			Sample Depth (ft bgs):	0-2	2-4	5-6.5	7-9	0-2	2-4	4-6
			Soil Type:	EF	MF	DRF	AD	EF	MF	MF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
Naphthalene	1,000,000	5,600	ND	ND	ND	--	--	ND	--	
Toluene	500,000	20,000	ND	ND	ND	--	--	ND	--	
Semi-Volatile Organic Compounds (ug/kg):										
2-Methyl Naphthalene	474,000	980	ND	ND	ND	--	ND	ND	ND	
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	--	--	--	--	
Acenaphthene	1,000,000	8,400	ND	ND	ND	--	ND	ND	ND	
Acenaphthylene	1,000,000	8,400	ND	ND	ND	--	ND	ND	ND	
Anthracene	1,000,000	40,000	200	ND	ND	--	ND	ND	ND	
Benzo[a]anthracene	1,000	470	470	460	ND	--	ND	850	ND	
Benzo[a]pyrene	1,000	1,000	720	650	ND	--	ND	1100	ND	
Benzo[b]fluoranthene	1,000	1,000	960	840	220	--	370	1600	ND	
Benzo[g,h,i]perylene	1,000,000	4,200	550	410	ND	--	ND	360	ND	
Benzo[k]fluoranthene	8,400	1,000	360	390	ND	--	ND	630	ND	
Benzyl Alcohol	NE	NE	ND	ND	ND	--	--	--	--	
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	--	ND	ND	ND	
Carbazole	31,000	1,000	ND	ND	ND	--	ND	ND	ND	
Chrysene	84,000	1,000	550	550	ND	--	ND	970	ND	
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	ND	--	ND	ND	ND	
Dibenzofuran	270,000	1,000	ND	ND	ND	--	ND	ND	ND	
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	--	ND	ND	ND	
Fluoranthene	1,000,000	5,600	880	1000	210	--	380	1900	ND	
Fluorene	1,000,000	5,600	ND	ND	ND	--	ND	ND	ND	
Indeno[1,2,3-cd]pyrene	1,000	1,000	640	470	ND	--	ND	370	ND	
Naphthalene	1,000,000	5,600	ND	ND	ND	--	ND	ND	ND	
Phenanthrene	1,000,000	4,000	380	480	ND	--	ND	810	ND	
Pyrene	1,000,000	4,000	830	950	220	--	350	1600	ND	
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	ND	ND	ND	--	ND	100	ND	
Chlorinated Pesticides (ug/kg):										
4,4-DDE	1,800	NE	73	ND	ND	--	--	--	--	
Polychlorinated Biphenyls (ug/kg):										
	1,000	0.5	ND	ND	ND	--	--	--	--	

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA103-MW-S1	MRP-HA103-MW-S2	MRP-HA103-MW-S3	MRP-HA103-MW-S4	MRP-HA205 S1	MRP-HA205 S2	MRP-HA205 S3
			Sample Date:	12-Aug-02	12-Aug-02	12-Aug-02	9-Aug-02	10/27/2004	10/27/2004	10/27/2004
			Sample Depth (ft bgs):	0-2	2-4	5-6.5	7-9	0-2	2-4	4-6
			Soil Type:	EF	MF	DRF	AD	EF	MF	MF
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	10	--	--	--	--	--
Arsenic	10	--	7.5	12	20	ND	3	3.3	6.9	
Barium	4,700	--	--	--	--	--	57	51	150	
Beryllium	2	--	ND	ND	ND	--	--	--	--	
Cadmium	34	--	ND	ND	ND	--	ND	ND	ND	
Chromium	NE	--	--	--	--	--	13	8.1	21	
Copper	2,500	--	22	8.8	96	--	--	--	--	
Lead	400	--	33	21	580	6	70	170	190	
Mercury	20	--	ND	0.31	0.26	--	ND	ND	0.66	
Nickel	1,400	--	10	3.4	23	--	--	--	--	
Selenium	340	--	ND	ND	5.1	--	ND	ND	ND	
Silver	340	--	ND	ND	2.3	--	ND	ND	ND	
Zinc	20,000	--	43	120	2500	--	67	63	200	
SPLP Metals (mg/l):										
Arsenic	--	0.05	--	--	ND	--	ND	ND	ND	
Barium	--	1	--	--	--	--	0.52	0.18	0.4	
Cadmium	--	0.005	--	--	--	--	ND	ND	ND	
Chromium	--	0.05	--	--	--	--	ND	ND	ND	
Lead	--	0.015	--	--	ND	--	0.014	ND	0.016	
Mercury	--	0.002	--	--	--	--	ND	ND	ND	
Selenium	--	0.05	--	--	--	--	ND	ND	ND	
Silver	--	0.036	--	--	--	--	ND	ND	ND	
Zinc	--	5	--	--	--	--	0.33	0.12	0.29	
Total Cyanide (mg/kg):	1,400	NE	ND	ND	ND	--	--	--	--	

- Notes:
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 - ND means the compound was not detected above minimum laboratory detection limit.
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 - Compound not analyzed for or not applicable.
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 - * Indicates GAPMC does not apply; sample collected within groundwater table
 - RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
 - The above 'Soil Type' was described by Haley & Aldrich, Inc. as the following:
 - EF:** Earthen Fill: Soil fill, including topsoil which typically does not contain man-made artifacts but at some locations may contain variable amounts of root matter, cobbles, boulders and construction/demolition debris such as concrete, asphalt and brick
 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
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TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA205 S4	MRP-HA205 S5	MRP-HA207E S1	MRP-HA207E S2	MRP-HA207E S4	MRP-HA207E S5	MRP-HA207C S1	
			Sample Date:	10/27/2004	10/27/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004
			Sample Depth (ft bgs):	6-8	8-10	0-2	2-4	6-7.8	8.2-10	0-2	0-2
			Soil Type:	AD	GD	EF	EF	MF	GD	EF	EF
			Sample Type:								
Volatile Organic Compounds (ug/kg):											
Naphthalene	1,000,000	5,600	--	--	--	--	--	--	--	--	
Toluene	500,000	20,000	--	--	--	--	--	--	--	--	
Semi-Volatile Organic Compounds (ug/kg):											
2-Methyl Naphthalene	474,000	980	ND	--	ND	ND	ND	ND	ND	ND	
3,3-Dichlorobenzidine	1,400	330	--	--	--	--	--	--	--	--	
Acenaphthene	1,000,000	8,400	ND	--	ND	ND	ND	ND	ND	ND	
Acenaphthylene	1,000,000	8,400	ND	--	ND	ND	ND	ND	ND	ND	
Anthracene	1,000,000	40,000	ND	--	ND	ND	ND	ND	ND	ND	
Benzo[a]anthracene	1,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Benzo[a]pyrene	1,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Benzo[b]fluoranthene	1,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Benzo[g,h,i]perylene	1,000,000	4,200	ND	--	ND	ND	ND	ND	ND	ND	
Benzo[k]fluoranthene	8,400	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Benzyl Alcohol	NE	NE	--	--	--	--	--	--	--	--	
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Carbazole	31,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Chrysene	84,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Dibenz[a,h]anthracene	1,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Dibenzofuran	270,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Di-n-octylphthalate	1,000,000	2,000	ND	--	ND	ND	ND	ND	ND	ND	
Fluoranthene	1,000,000	5,600	480	--	ND	ND	ND	ND	ND	ND	
Fluorene	1,000,000	5,600	ND	--	ND	ND	ND	ND	ND	ND	
Indeno[1,2,3-cd]pyrene	1,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Naphthalene	1,000,000	5,600	ND	--	ND	ND	ND	ND	ND	ND	
Phenanthrene	1,000,000	4,000	ND	--	ND	ND	ND	ND	ND	ND	
Pyrene	1,000,000	4,000	390	--	ND	ND	ND	ND	ND	ND	
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	ND	--	ND	ND	ND	ND	ND	ND	
Chlorinated Pesticides (ug/kg):											
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--	
Polychlorinated Biphenyls (ug/kg):											
	1,000	0.5	--	--	--	--	--	--	--	--	

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA205 S4	MRP-HA205 S5	MRP-HA207E S1	MRP-HA207E S2	MRP-HA207E S4	MRP-HA207E S5	MRP-HA207C S1
			Sample Date:	10/27/2004	10/27/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004
			Sample Depth (ft bgs):	6-8	8-10	0-2	2-4	6-7.8	8.2-10	0-2
			Soil Type:	AD	GD	EF	EF	MF	GD	EF
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--		--	--	--	--	--	--	--
Arsenic	10	--		2.3	--	ND	2.6	8.1	ND	ND
Barium	4,700	--		46	--	24	45	180	22	23
Beryllium	2	--		--	--	--	--	--	--	--
Cadmium	34	--		20	--	ND	ND	ND	ND	ND
Chromium	NE	--		6.2	--	58	12	13	12	53
Copper	2,500	--		--	--	--	--	--	--	--
Lead	400	--		110	--	3.4	18	110	5.7	5.3
Mercury	20	--		ND	--	ND	ND	ND	ND	ND
Nickel	1,400	--		--	--	--	--	--	--	--
Selenium	340	--		ND	--	ND	ND	ND	ND	ND
Silver	340	--		ND	--	ND	ND	ND	ND	ND
Zinc	20,000	--		2900	--	27	37	240	15	27
SPLP Metals (mg/l):										
Arsenic	--	0.05		ND	--	ND	ND	0.0045	ND	ND
Barium	--	1		0.51	--	0.31	0.47	1	0.29	0.28
Cadmium	--	0.005		0.012*	ND	ND	ND	ND	ND	ND
Chromium	--	0.05		ND	--	ND	ND	ND	ND	ND
Lead	--	0.015		ND	--	ND	ND	0.021	ND	ND
Mercury	--	0.002		ND	--	ND	ND	ND	ND	ND
Selenium	--	0.05		ND	--	ND	ND	ND	ND	ND
Silver	--	0.036		ND	--	ND	ND	ND	ND	ND
Zinc	--	5		6*	--	0.21	0.37	1.1	0.19	0.16
Total Cyanide (mg/kg):	1,400	NE		--	--	--	--	--	--	--

- Notes:
- This table includes only those compounds which were detected.
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MILL ROCK PARK PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA207C S2	MRP-HA207C S4A	MRP-HA207C S4B	MRP-HA207C S5	MRP-HA207B S1	MRP-HA207B S2	MRP-HA207B S3
			Sample Date:	10/28/2004	10/28/2004	10/28/2004	10/28/2004	11/1/2004	11/1/2004	11/1/2004
			Sample Depth (ft bgs):	2-4	6-7	7-8	8-10	0-2	2-4	4-6
			Soil Type:	MF	AD	AD	GD	EF	MF	MF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
Naphthalene	1,000,000	5,600	--	--	--	--	--	--	--	ND
Toluene	500,000	20,000	--	--	--	--	--	--	--	ND
Semi-Volatile Organic Compounds (ug/kg):										
2-Methyl Naphthalene	474,000	980	ND	ND	ND	--	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	--	--	--	--	--	--	--	--
Acenaphthene	1,000,000	8,400	ND	ND	ND	--	410	1300	ND	ND
Acenaphthylene	1,000,000	8,400	ND	ND	ND	--	ND	1200	ND	ND
Anthracene	1,000,000	40,000	ND	ND	ND	--	1000	2800	ND	ND
Benzo[a]anthracene	1,000	1,000	ND	ND	ND	--	1200	5800	410	410
Benzo[a]pyrene	1,000	1,000	ND	ND	ND	--	800	5700	510	510
Benzo[b]fluoranthene	1,000	1,000	ND	ND	ND	--	1100	7600	720	720
Benzo[g,h,i]perylene	1,000,000	4,200	ND	ND	ND	--	370	2600	410	410
Benzo[k]fluoranthene	8,400	1,000	ND	ND	ND	--	410	2800	ND	ND
Benzyl Alcohol	NE	NE	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	--	ND	ND	360	360
Carbazole	31,000	1,000	ND	ND	ND	--	1200	4200	ND	ND
Chrysene	84,000	1,000	ND	ND	ND	--	1200	5900	500	500
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	ND	--	ND	840	ND	ND
Dibenzofuran	270,000	1,000	ND	ND	ND	--	540	1400	ND	ND
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	--	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	ND	ND	ND	--	5100	17000	920	920
Fluorene	1,000,000	5,600	ND	ND	ND	--	960	2200	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	ND	ND	ND	--	360	2500	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	ND	--	ND	570	ND	ND
Phenanthrene	1,000,000	4,000	ND	ND	ND	--	6000	15000	400	400
Pyrene	1,000,000	4,000	ND	ND	ND	--	3500	14000	740	740
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	ND	ND	ND	ND	ND	510	1300	
Chlorinated Pesticides (ug/kg):										
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg):										
	1,000	0.5	--	--	--	--	--	--	--	--

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA207C S2	MRP-HA207C S4A	MRP-HA207C S4B	MRP-HA207C S5	MRP-HA207B S1	MRP-HA207B S2	MRP-HA207B S3
			Sample Date:	10/28/2004	10/28/2004	10/28/2004	10/28/2004	11/1/2004	11/1/2004	11/1/2004
			Sample Depth (ft bgs):	2-4	6-7	7-8	8-10	0-2	2-4	4-6
			Soil Type:	MF	AD	AD	GD	EF	MF	MF
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--		--	--	--	--	--	--	--
Arsenic	10	--		150	3.8	ND	--	ND	13	31
Barium	4,700	--		70	100	47	--	33	180	140
Beryllium	2	--		--	--	--	--	--	--	--
Cadmium	34	--		ND	ND	ND	--	ND	ND	6
Chromium	NE	--		13	8.9	7.2	--	34	17	340
Copper	2,500	--		--	--	--	--	--	--	--
Lead	400	--		910	60	5.2	--	37	570	1100
Mercury	20	--		0.6	ND	ND	--	ND	0.7	0.75
Nickel	1,400	--		--	--	--	--	--	--	--
Selenium	340	--		1.6	ND	ND	--	ND	2.7	ND
Silver	340	--		ND	ND	ND	--	ND	ND	ND
Zinc	20,000	--		110	270	83	--	40	250	1500
SPLP Metals (mg/l):										
Arsenic	--	0.05		0.041	ND	ND	--	ND	ND	ND
Barium	--	1		0.46	0.71	0.53	--	0.35	0.39	0.29
Cadmium	--	0.005		ND	ND	ND	--	ND	ND	ND
Chromium	--	0.05		ND	ND	ND	--	ND	ND	ND
Lead	--	0.015		0.29	0.019*	ND	ND	ND	0.045	0.014
Mercury	--	0.002		ND	ND	ND	--	ND	ND	ND
Selenium	--	0.05		ND	ND	ND	--	ND	ND	ND
Silver	--	0.036		ND	ND	ND	--	ND	ND	ND
Zinc	--	5		0.49	0.67	0.53	--	0.2	0.24	0.56
Total Cyanide (mg/kg):	1,400	NE		--	--	--	--	--	--	--

- Notes:
- This table includes only those compounds which were detected.
 - RSR criteria means Remedial Standard Regulation criteria established by the Connecticut Department of Environmental Protection (CTDEP)
 - ND means the compound was not detected above minimum laboratory detection limit.
 - NE means no criteria established by CTDEP for listed compound.
 - Compound not analyzed for or not applicable.
 - ug/kg means micrograms per kilogram; mg/kg means milligrams per kilogram
 - mg/l means milligram per litre.
 - Analytical results as reported above the GAPMC are presented in bold type. Values in a box exceed RDEC.
 - * Indicates GAPMC does not apply; sample collected within groundwater table
 - RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
 - The above "Soil Type" was described by Haley & Aldrich, Inc. as the following:
 - EF:** Earthen Fill: Soil fill, including topsoil which typically does not contain man-made artifacts but at some locations may contain variable amounts of root matter, cobbles, boulders and construction/demolition debris such as concrete, asphalt and brick
 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
 - MF:** Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fill
 - AD:** Alluvial Deposits: Organic rich deposits associated with former intermittent watercourse and wetlands.
 - GD:** Glaciodeltaic Deposits: Glacial meltwater deposits consisting primarily of sand and silt.

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA207B S4A	MRP-HA207B S4B	MRP-HA207G S4B	MRP-HA213 S1	MRP-HA213G S1	MRP-HA213 S3	MRP-HA213G S3	
			Sample Date:	11/1/2004	11/1/2004	11/1/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004
			Sample Depth (ft bgs):	6.4-7	7-8	7-8	0.5-2	0.5-2	4-6	4-6	
			Soil Type:	AD	AD	AD	EF	EF	GT	GT	
			Sample Type:			DUPLICATE		DUPLICATE		DUPLICATE	
Volatile Organic Compounds (ug/kg):											
Naphthalene	1,000,000	5,600	ND	--	--	--	--	--	--	--	
Toluene	500,000	20,000	ND	--	--	--	--	--	--	--	
Semi-Volatile Organic Compounds (ug/kg):											
2-Methyl Naphthalene	474,000	980	--	ND	ND	ND	ND	ND	ND	--	
3,3-Dichlorobenzidine	1,400	330	--	--	--	--	--	--	--	--	
Acenaphthene	1,000,000	8,400	--	ND	ND	ND	ND	ND	ND	--	
Acenaphthylene	1,000,000	8,400	--	ND	ND	ND	ND	ND	ND	--	
Anthracene	1,000,000	40,000	--	ND	ND	ND	ND	ND	ND	--	
Benzo[a]anthracene	1,000	1,000	--	ND	ND	ND	ND	330	ND	--	
Benzo[a]pyrene	1,000	1,000	--	ND	ND	360	390	ND	ND	--	
Benzo[b]fluoranthene	1,000	1,000	--	ND	ND	430	430	ND	ND	--	
Benzo[g,h,i]perylene	1,000,000	4,200	--	ND	ND	ND	ND	ND	ND	--	
Benzo[k]fluoranthene	8,400	1,000	--	ND	ND	ND	ND	ND	ND	--	
Benzyl Alcohol	NE	NE	--	--	--	--	--	--	--	--	
bis(2-Ethylhexyl)phthalate	44,000	1,000	--	ND	ND	ND	ND	ND	ND	--	
Carbazole	31,000	1,000	--	ND	ND	ND	ND	ND	ND	--	
Chrysene	84,000	1,000	--	ND	ND	ND	ND	ND	ND	--	
Dibenz[a,h]anthracene	1,000	1,000	--	ND	ND	ND	ND	ND	ND	--	
Dibenzofuran	270,000	1,000	--	ND	--	ND	ND	ND	ND	--	
Di-n-octylphthalate	1,000,000	2,000	--	ND	--	ND	ND	ND	ND	--	
Fluoranthene	1,000,000	5,600	--	ND	ND	ND	630	ND	ND	--	
Fluorene	1,000,000	5,600	--	ND	ND	ND	ND	ND	ND	--	
Indeno[1,2,3-cd]pyrene	1,000	1,000	--	ND	ND	ND	ND	ND	ND	--	
Naphthalene	1,000,000	5,600	--	ND	ND	ND	ND	ND	ND	--	
Phenanthrene	1,000,000	4,000	--	ND	ND	ND	ND	ND	ND	--	
Pyrene	1,000,000	4,000	--	ND	ND	ND	590	ND	ND	--	
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	--	ND	ND	ND	ND	ND	ND	--	
Chlorinated Pesticides (ug/kg):											
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--	
Polychlorinated Biphenyls (ug/kg):											
	1,000	0.5	--	--	--	--	--	--	--	--	

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: MRP-HA207B S4A MRP-HA207B S4B MRP-HA207G S4B MRP-HA213 S1 MRP-HA213G S1 MRP-HA213 S3 MRP-HA213G S3									
	Residential	GA/GAA	Sample Date:	11/1/2004	11/1/2004	11/1/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004
	Direct	Pollutant	Sample Depth (ft bgs):	6.4-7	7-8	7-8	0.5-2	0.5-2	4-6	4-6
	Exposure	Mobility	Soil Type:	AD	AD	AD	EF	EF	GT	GT
	Criteria	Criteria	Sample Type:			DUPLICATE		DUPLICATE		DUPLICATE
Total Metals (mg/kg):										
Antimony	27	--	--	--	--	--	--	--	--	--
Arsenic	10	--	--	ND	--	ND	--	ND	2.2	
Barium	4,700	--	--	59	--	25	--	45	28	
Beryllium	2	--	--	--	--	--	--	--	--	
Cadmium	34	--	--	ND	--	ND	--	ND	ND	
Chromium	NE	--	--	9.9	--	5.2	--	9	8.4	
Copper	2,500	--	--	--	--	--	--	--	--	
Lead	400	--	--	8	--	11	--	4.3	3	
Mercury	20	--	--	ND	--	ND	--	ND	ND	
Nickel	1,400	--	--	--	--	--	--	--	--	
Selenium	340	--	--	ND	--	ND	--	ND	ND	
Silver	340	--	--	ND	--	ND	--	ND	ND	
Zinc	20,000	--	--	14	--	77	--	7.1	4.2	
SPLP Metals (mg/l):										
Arsenic	--	0.05	--	ND	--	ND	--	ND	ND	
Barium	--	1	--	0.65	--	0.43	--	0.51	0.53	
Cadmium	--	0.005	--	ND	--	ND	--	ND	ND	
Chromium	--	0.05	--	ND	--	ND	--	ND	ND	
Lead	--	0.015	--	ND	--	ND	--	ND	ND	
Mercury	--	0.002	--	ND	--	ND	--	ND	ND	
Selenium	--	0.05	--	ND	--	ND	--	ND	ND	
Silver	--	0.036	--	ND	--	ND	--	ND	ND	
Zinc	--	5	--	0.42	--	0.31	--	0.14	0.29	
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	--	--	--	

- Notes:
- This table includes only those compounds which were detected.
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 - ND means the compound was not detected above minimum laboratory detection limit.
 - NE means no criteria established by CTDEP for listed compound.
 - Compound not analyzed for or not applicable.
 - ug/kg means micrograms per kilogram; mg/kg means milligrams per kilogram
 - mg/l means milligram per litre.
 - Analytical results as reported above the GAPMC are presented in bold type. Values in a box exceed RDEC.
 - * Indicates GAPMC does not apply; sample collected within groundwater table
 - RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
 - The above "Soil Type" was described by Haley & Aldrich, Inc. as the following:
 - EF:** Earthen Fill: Soil fill, including topsoil which typically does not contain man-made artifacts but at some locations may contain variable amounts of root matter, cobbles, boulders and construction/demolition debris such as concrete, asphalt and brick
 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
 - MF:** Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fill
 - AD:** Alluvial Deposits: Organic rich deposits associated with former intermittent watercourse and wetlands.
 - GD:** Glaciodeltaic Deposits: Glacial meltwater deposits consisting primarily of sand and silt.

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA104-S1	MRP-HA104-S2	MRP-HA104-S3	MRP-HA104-S4	MRP-HA207D S1	MRP-HA207D S2	MRP-HA207D S3
			Sample Date:	12-Aug-02	12-Aug-02	12-Aug-02	12-Aug-02	11/1/2004	11/1/2004	11/1/2004
			Sample Depth (ft bgs):	0.5-2	2-4	5-6.5	7-9	0-2	3-4	4-6
			Soil Type:	MF	MF	DRF	AD	EF	DRF	DRF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
Naphthalene	1,000,000	5,600	ND	ND	ND	--	--	--	ND	ND
Toluene	500,000	20,000	ND	ND	ND	--	--	--	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	ND	--	ND	--	--
Acenaphthene	1,000,000	8,400	ND	730	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	260	1900	360	ND	ND	3200	ND	ND
Anthracene	1,000,000	40,000	310	3200	320	ND	ND	2200	ND	ND
Benzo[a]anthracene	1,000	1,000	1100	5700	890	ND	ND	7400	800	800
Benzo[a]pyrene	1,000	1,000	1200	6500	1400	ND	ND	8200	880	880
Benzo[b]fluoranthene	1,000	1,000	1600	6800	1700	ND	ND	11000	1100	1100
Benzo[g,h,i]perylene	1,000,000	4,200	640	2400	720	ND	ND	4300	ND	ND
Benzo[k]fluoranthene	8,400	1,000	690	2700	720	ND	ND	3900	ND	ND
Benzyl Alcohol	NE	NE	ND	ND	ND	ND	--	ND	--	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	--	ND	ND	ND	ND
Carbazole	31,000	1,000	ND	490	ND	--	ND	1900	ND	ND
Chrysene	84,000	1,000	1200	6300	1100	ND	ND	8200	870	870
Dibenz[a,h]anthracene	1,000	1,000	ND	640	ND	ND	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	2200	9300	1600	ND	ND	17000	2000	2000
Fluorene	1,000,000	5,600	ND	1700	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	790	2800	850	ND	ND	3900	ND	ND
Naphthalene	1,000,000	5,600	ND	510	210	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	1000	9500	570	ND	ND	7000	1000	1000
Pyrene	1,000,000	4,000	1900	14000	1800	ND	ND	15000	1700	1700
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	110	260	ND	--	ND	470	110	110
Chlorinated Pesticides (ug/kg):										
4,4-DDE	1,800	NE	ND	ND	ND	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg):										
	1,000	0.5	ND	ND	ND	--	--	--	--	--

TABLE I
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MILL ROCK PARK PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA104-S1	MRP-HA104-S2	MRP-HA104-S3	MRP-HA104-S4	MRP-HA207D S1	MRP-HA207D S2	MRP-HA207D S3
			Sample Date:	12-Aug-02	12-Aug-02	12-Aug-02	12-Aug-02	11/1/2004	11/1/2004	11/1/2004
			Sample Depth (ft bgs):	0.5-2	2-4	5-6.5	7-9	0-2	3-4	4-6
			Soil Type:	MF	MF	DRF	AD	EF	DRF	DRF
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--		ND	4.9	ND	--	--	--	--
Arsenic	10	--		1.3	13	ND	--	13	11	12
Barium	4,700	--		--	--	--	--	34	310	250
Beryllium	2	--		ND	ND	ND	--	--	--	--
Cadmium	34	--		ND	ND	ND	--	ND	ND	ND
Chromium	NE	--		--	--	--	--	16	19	18
Copper	2,500	--		17	110	5.4	--	--	--	--
Lead	400	--		29	650	7.5	--	55	1200	610
Mercury	20	--		ND	ND	ND	--	ND	0.42	0.6
Nickel	1,400	--		4.9	11	2.1	--	--	--	--
Selenium	340	--		ND	1.9	ND	--	ND	ND	ND
Silver	340	--		ND	ND	ND	--	ND	ND	ND
Zinc	20,000	--		49	510	6.8	--	36	570	360
SPLP Metals (mg/l):										
Arsenic	--	0.05		--	--	--	--	ND	ND	ND
Barium	--	1		--	--	--	--	0.31	0.48	0.35
Cadmium	--	0.005		--	--	--	--	ND	ND	ND
Chromium	--	0.05		--	--	--	--	ND	ND	ND
Lead	--	0.015		--	--	--	--	ND	0.15	0.034
Mercury	--	0.002		--	--	--	--	ND	ND	ND
Selenium	--	0.05		--	--	--	--	ND	ND	ND
Silver	--	0.036		--	--	--	--	ND	ND	ND
Zinc	--	5		--	--	--	--	0.3	0.49	0.27
Total Cyanide (mg/kg):	1,400	NE		ND	ND	ND	--	--	--	--

- Notes:
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 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA207G S3	MRP-HA207D S4	MRP-HA204-MW S1A	MRP-HA204-MW S2	MRP-HA204-MW S3	MRP-HA204-MW S4	MRP-HA204-MW S5
			Sample Date:	11/1/2004	11/1/2004	10/26/2004	10/26/2004	10/26/2004	10/27/2004	10/26/2004
			Sample Depth (ft bgs):	4-6	6-7.2	0-1	3-4	4-6	6-8	8-10
			Soil Type:	DRF	AD	EF	DRF	DRF	AD	GD
			Sample Type:	DUPLICATE						
Volatile Organic Compounds (ug/kg):										
Naphthalene	1,000,000	5,600	ND	ND	--	--	--	--	--	--
Toluene	500,000	20,000	ND	ND	--	--	--	--	--	--
Semi-Volatile Organic Compounds (ug/kg):										
2-Methyl Naphthalene	474,000	980	--	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	--	--	--	--	--	--	--	--
Acenaphthene	1,000,000	8,400	--	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	--	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	40,000	--	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	--	ND	ND	360	400	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	--	ND	ND	430	490	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	--	ND	ND	590	680	ND	ND	ND
Benzo[g,h,i]perylene	1,000,000	4,200	--	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	8,400	1,000	--	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NE	NE	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Carbazole	31,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Chrysene	84,000	1,000	--	ND	ND	470	470	ND	ND	ND
Dibenz[a,h]anthracene	1,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	--	ND	ND	ND	ND	--	ND	ND
Di-n-octylphthalate	1,000,000	2,000	--	ND	ND	ND	ND	--	ND	ND
Fluoranthene	1,000,000	5,600	--	ND	ND	850	820	ND	ND	ND
Fluorene	1,000,000	5,600	--	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	--	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	--	ND	ND	540	410	ND	ND	ND
Pyrene	1,000,000	4,000	--	ND	ND	800	750	ND	ND	ND
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	--	ND	ND	ND	ND	ND	ND	ND
Chlorinated Pesticides (ug/kg):										
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg):										
	1,000	0.5	--	--	--	--	--	--	--	--

TABLE I
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
MILL ROCK PARK PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Sample ID: MRP-HA207G S3 MRP-HA207D S4 MRP-HA204-MW S1A MRP-HA204-MW S2 MRP-HA204-MW S3 MRP-HA204-MW S4 MRP-HA204-MW S5									
	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:	11/1/2004	11/1/2004	10/26/2004	10/26/2004	10/26/2004	10/27/2004	10/26/2004
			Sample Depth (ft bgs):	4-6	6-7.2	0-1	3-4	4-6	6-8	8-10
			Soil Type:	DRF	AD	EF	DRF	DRF	AD	GD
			Sample Type:	DUPLICATE						
Total Metals (mg/kg):										
Antimony	27	--	--	--	--	--	--	--	--	--
Arsenic	10	--	--	ND	1.8	6.3	55	3.9	ND	ND
Barium	4,700	--	--	87	45	500	380	68	16	16
Beryllium	2	--	--	--	--	--	--	--	--	--
Cadmium	34	--	--	ND	ND	ND	2.7	ND	ND	ND
Chromium	NE	--	--	17	8	15	31	22	8.3	8.3
Copper	2,500	--	--	--	--	--	--	--	--	--
Lead	400	--	--	10	10	1500	930	34	3.4	3.4
Mercury	20	--	--	ND	ND	ND	ND	ND	ND	ND
Nickel	1,400	--	--	--	--	--	--	--	--	--
Selenium	340	--	--	ND	ND	ND	2.9	ND	ND	ND
Silver	340	--	--	ND	ND	ND	ND	ND	ND	ND
Zinc	20,000	--	--	20	31	1200	1200	43	9.7	9.7
SPLP Metals (mg/l):										
Arsenic	--	0.05	--	ND	ND	ND	0.021	ND	ND	ND
Barium	--	1	--	1	0.43	0.35	0.8	0.61	0.74	0.74
Cadmium	--	0.005	--	ND	ND	ND	ND	ND	ND	ND
Chromium	--	0.05	--	ND	ND	ND	ND	ND	ND	ND
Lead	--	0.015	--	0.015	ND	0.18	0.19	ND	ND	ND
Mercury	--	0.002	--	ND	ND	ND	ND	ND	ND	ND
Selenium	--	0.05	--	ND	ND	ND	ND	ND	ND	ND
Silver	--	0.036	--	ND	ND	ND	ND	ND	ND	ND
Zinc	--	5	--	0.66	0.15	0.5	0.96	0.52	0.55	0.55
Total Cyanide (mg/kg):										
	1,400	NE	--	--	--	--	--	--	--	--

- Notes:
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 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
 - MF:** Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fill
 - AD:** Alluvial Deposits: Organic rich deposits associated with former intermittent watercourse and wetlands.
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TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA106-S1	MRP-HA106-S2	MRP-HA106-S3	MRP-HA208A S1	MRP-HA208A S2	MRP-HA208A S3	MRP-HA208A S5	
			Sample Date:	12-Aug-02	12-Aug-02	12-Aug-02	10/28/2004	10/28/2004	10/28/2004	10/28/2004	10/28/2004
			Sample Depth (ft bgs):	0-2	2-4	5-6.5	0.4-2.4	2.4-4.4	4.4-6.4	8.4-10.4	
			Soil Type:	DRF	DRF	DRF	EF	DRF	DRF	GT	
			Sample Type:								
Volatile Organic Compounds (ug/kg):											
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	--	
Toluene	500,000	20,000	ND	ND	ND	ND	8.7	ND	ND	--	
Semi-Volatile Organic Compounds (ug/kg):											
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	ND	ND	ND	
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	ND	ND	--	ND	--	
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND	350	ND	ND	ND	
Acenaphthylene	1,000,000	8,400	ND	670	ND	ND	ND	ND	ND	ND	
Anthracene	1,000,000	40,000	240	820	ND	ND	630	ND	ND	ND	
Benzo[a]anthracene	1,000	1,000	710	2600	ND	ND	2900	ND	ND	ND	
Benzo[a]pyrene	1,000	1,000	1000	3500	ND	ND	4000	ND	ND	ND	
Benzo[b]fluoranthene	1,000	1,000	1300	4500	ND	1400	6100	ND	ND	ND	
Benzo[g,h,i]perylene	1,000,000	4,200	570	1700	ND	ND	1900	ND	ND	ND	
Benzo[k]fluoranthene	8,400	1,000	570	2100	ND	ND	2000	ND	ND	ND	
Benzyl Alcohol	NE	NE	ND	ND	ND	ND	660	--	ND	--	
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	
Carbazole	31,000	1,000	ND	430	ND	ND	1300	ND	ND	ND	
Chrysene	84,000	1,000	780	2700	ND	ND	2900	ND	ND	ND	
Dibenz[a,h]anthracene	1,000	1,000	ND	620	ND	ND	490	ND	ND	ND	
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	1,000,000	5,600	1600	6100	ND	1400	6500	ND	ND	ND	
Fluorene	1,000,000	5,600	ND	270	ND	ND	410	ND	ND	ND	
Indeno[1,2,3-cd]pyrene	1,000	1,000	650	2100	ND	ND	2600	ND	ND	ND	
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	1,000,000	4,000	1100	4000	ND	ND	4500	ND	ND	ND	
Pyrene	1,000,000	4,000	1400	5000	ND	1200	5100	ND	ND	ND	
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	350	2300	240	71	550	ND	ND	ND	
Chlorinated Pesticides (ug/kg):											
4,4-DDE	1,800	NE	ND	ND	ND	--	--	--	--	--	
Polychlorinated Biphenyls (ug/kg):											
	1,000	0.5	ND	ND	ND	--	--	--	--	--	

TABLE I
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 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA106-S1	MRP-HA106-S2	MRP-HA106-S3	MRP-HA208A S1	MRP-HA208A S2	MRP-HA208A S3	MRP-HA208A S5
			Sample Date:	12-Aug-02	12-Aug-02	12-Aug-02	10/28/2004	10/28/2004	10/28/2004	10/28/2004
			Sample Depth (ft bgs):	0-2	2-4	5-6.5	0.4-2.4	2.4-4.4	4.4-6.4	8.4-10.4
			Soil Type:	DRF	DRF	DRF	EF	DRF	DRF	GT
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--		ND	6.4	ND	--	--	--	--
Arsenic	10	--		3.4	7.3	3.1	3.2	10	ND	ND
Barium	4,700	--		--	--	--	130	520	35	22
Beryllium	2	--		ND	ND	ND	--	--	--	--
Cadmium	34	--		ND	ND	ND	ND	ND	ND	ND
Chromium	NE	--		--	--	--	10	30	6.3	4.8
Copper	2,500	--		29	210	29	--	--	--	--
Lead	400	--		120	620	100	380	2700	7.1	4.3
Mercury	20	--		0.98	0.45	0.21	0.46	2	ND	ND
Nickel	1,400	--		6	13	7.3	--	--	--	--
Selenium	340	--		ND	1.6	ND	ND	ND	ND	ND
Silver	340	--		ND	ND	ND	ND	ND	ND	ND
Zinc	20,000	--		99	1300	91	500	2300	16	10
SPLP Metals (mg/l):										
Arsenic	--	0.05		--	--	--	ND	ND	ND	ND
Barium	--	1		--	--	--	0.28	0.35	0.55	0.2
Cadmium	--	0.005		--	--	--	ND	ND	ND	ND
Chromium	--	0.05		--	--	--	ND	ND	ND	ND
Lead	--	0.015		--	--	--	ND	0.053	ND	ND
Mercury	--	0.002		--	--	--	ND	ND	ND	ND
Selenium	--	0.05		--	--	--	ND	ND	ND	ND
Silver	--	0.036		--	--	--	ND	ND	ND	ND
Zinc	--	5		--	--	--	0.37	0.35	0.41	0.12
Total Cyanide (mg/kg):	1,400	NE		ND	ND	ND	--	--	--	--

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TABLE I
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 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA208B S1	MRP-HA208B S2	MRP-HA208B S3	MRP-HA208B S4	MRP-HA206 S1	MRP-HA206 S2	MRP-HA206 S3
			Sample Date:	10/28/2004	10/28/2004	10/28/2004	10/28/2004	11/1/2004	11/1/2004	11/1/2004
			Sample Depth (ft bgs):	0.4-2.4	2.4-4.4	4.4-6.4	6.4-8.4	0-2	2-4	4-6
			Soil Type:	EF	MF	MF	AD	EF	MF	MF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
Naphthalene	1,000,000	5,600	--	--	--	--	--	--	--	ND
Toluene	500,000	20,000	--	--	--	--	--	--	--	ND
Semi-Volatile Organic Compounds (ug/kg):										
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	--	ND	ND	--	--	--	--	--
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	ND	ND	1500	ND	330	480	ND	ND
Anthracene	1,000,000	40,000	ND	ND	ND	ND	450	630	ND	ND
Benzo[a]anthracene	1,000	1,000	ND	ND	3200	ND	1400	2000	ND	420
Benzo[a]pyrene	1,000	1,000	ND	1500	5000	ND	1600	2300	ND	450
Benzo[b]fluoranthene	1,000	1,000	ND	2500	11000	ND	2000	3000	ND	680
Benzo[g,h,i]perylene	1,000,000	4,200	ND	ND	3000	ND	980	1400	ND	ND
Benzo[k]fluoranthene	8,400	1,000	ND	ND	6900	ND	710	1000	ND	ND
Benzyl Alcohol	NE	NE	--	ND	ND	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	31,000	1,000	ND	ND	ND	ND	510	760	ND	ND
Chrysene	84,000	1,000	ND	ND	3700	ND	1500	2200	ND	500
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	ND	1800	5700	ND	3400	4500	ND	930
Fluorene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	ND	1100	3700	ND	840	1200	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	ND	ND	1800	ND	1700	2500	ND	440
Pyrene	1,000,000	4,000	ND	1500	4900	ND	2900	3900	ND	800
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	ND	69	97	ND	ND	130	160	
Chlorinated Pesticides (ug/kg):										
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg):										
	1,000	0.5	--	--	--	--	--	--	--	--

TABLE I
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MILL ROCK PARK PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA208B S1	MRP-HA208B S2	MRP-HA208B S3	MRP-HA208B S4	MRP-HA206 S1	MRP-HA206 S2	MRP-HA206 S3
			Sample Date:	10/28/2004	10/28/2004	10/28/2004	10/28/2004	11/1/2004	11/1/2004	11/1/2004
			Sample Depth (ft bgs):	0.4-2.4	2.4-4.4	4.4-6.4	6.4-8.4	0-2	2-4	4-6
			Soil Type:	EF	MF	MF	AD	EF	MF	MF
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--		--	--	--	--	--	--	--
Arsenic	10	--		ND	ND	2.4	ND	4.8	7.1	11
Barium	4,700	--		36	45	53	26	74	240	240
Beryllium	2	--		--	--	--	--	--	--	--
Cadmium	34	--		ND	ND	ND	ND	ND	ND	1.7
Chromium	NE	--		7.3	ND	7.2	9.1	16	29	95
Copper	2,500	--		--	--	--	--	--	--	--
Lead	400	--		41	110	280	37	170	330	490
Mercury	20	--		ND	ND	ND	ND	1.1	1.3	1.2
Nickel	1,400	--		--	--	--	--	--	--	--
Selenium	340	--		ND	ND	ND	ND	ND	ND	4.1
Silver	340	--		ND	ND	ND	ND	ND	ND	ND
Zinc	20,000	--		30	820	130	50	360	690	1700
SPLP Metals (mg/l):										
Arsenic	--	0.05		ND	ND	ND	ND	ND	ND	ND
Barium	--	1		0.42	0.47	0.37	0.54	0.57	0.53	0.52
Cadmium	--	0.005		ND	ND	ND	ND	ND	ND	ND
Chromium	--	0.05		ND	ND	ND	ND	ND	ND	ND
Lead	--	0.015		0.06	0.019	0.075	ND	0.034	0.034	0.02
Mercury	--	0.002		ND	ND	ND	ND	ND	ND	ND
Selenium	--	0.05		ND	ND	ND	ND	ND	ND	ND
Silver	--	0.036		ND	ND	ND	ND	ND	ND	ND
Zinc	--	5		0.36	0.56	0.44	0.4	0.42	0.36	0.31
Total Cyanide (mg/kg):	1,400	NE		--	--	--	--	--	--	--

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MILL ROCK PARK PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	MRP-HA206 S4B	MRP-HA107-MW-S1	MRP-HA107-MW-S2
			Sample Date:	11/1/2004	9-Aug-02	9-Aug-02
			Sample Depth (ft bgs):	7-8	0-2	2-4
			Soil Type:	GT	EF	EF
			Sample Type:			
Volatile Organic Compounds (ug/kg):						
Naphthalene	1,000,000	5,600	--	ND	ND	ND
Toluene	500,000	20,000	--	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):						
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	--	ND	ND	ND
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	ND	ND	ND	ND
Anthracene	1,000,000	40,000	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	ND	ND	ND	ND
Benzo[g,h,i]perylene	1,000,000	4,200	ND	ND	ND	ND
Benzo[k]fluoranthene	8,400	1,000	ND	ND	ND	ND
Benzyl Alcohol	NE	NE	--	ND	ND	ND
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	ND
Carbazole	31,000	1,000	ND	ND	ND	ND
Chrysene	84,000	1,000	ND	ND	ND	ND
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	ND	ND	ND	ND
Di-n-octylphthalate	1,000,000	2,000	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	ND	ND	ND	ND
Fluorene	1,000,000	5,600	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	ND	ND	ND	ND
Pyrene	1,000,000	4,000	ND	ND	ND	ND
Extractable Total Petroleum Hydrocarbons (mg/kg):	500	500	ND	ND	ND	ND
Chlorinated Pesticides (ug/kg):						
4,4-DDE	1,800	NE	--	ND	ND	ND
Polychlorinated Biphenyls (ug/kg):						
	1,000	0.5	--	ND	ND	ND

TABLE I
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 MILL ROCK PARK PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: MRP-HA206 S4B MRP-HA107-MW-S1 MRP-HA107-MW-S2		
	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date: 11/1/2004 Sample Depth (ft bgs): 7-8 Soil Type: GT Sample Type:
Total Metals (mg/kg):			
Antimony	27	--	-- ND ND
Arsenic	10	--	ND ND ND
Barium	4,700	--	10 -- --
Beryllium	2	--	-- ND ND
Cadmium	34	--	ND ND ND
Chromium	NE	--	4.4 -- --
Copper	2,500	--	-- 14 4.6
Lead	400	--	2.8 6.9 9.8
Mercury	20	--	ND ND ND
Nickel	1,400	--	-- 3.3 2.2
Selenium	340	--	ND ND ND
Silver	340	--	ND ND ND
Zinc	20,000	--	11 11 7.9
SPLP Metals (mg/l):			
Arsenic	--	0.05	ND -- --
Barium	--	1	0.18 -- --
Cadmium	--	0.005	ND -- --
Chromium	--	0.05	ND -- --
Lead	--	0.015	ND -- --
Mercury	--	0.002	ND -- --
Selenium	--	0.05	ND -- --
Silver	--	0.036	ND -- --
Zinc	--	5	0.12 -- --
Total Cyanide (mg/kg):	1,400	NE	-- ND ND

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 - * Indicates GAPMC does not apply; sample collected within groundwater table
 - RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
 - The above 'Soil Type' was described by Haley & Aldrich, Inc. as the following:
 - EF:** Earthen Fill: Soil fill, including topsoil which typically does not contain man-made artifacts but at some locations may contain variable amounts of root matter, cobbles, boulders and construction/demolition debris such as concrete, asphalt and brick
 - DRF:** Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and brick, broken glass, various broken ceramic items
 - MF:** Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fill
 - AD:** Alluvial Deposits: Organic rich deposits associated with former intermittent watercourse and wetlands.
 - GD:** Glaciodeltaic Deposits: Glacial meltwater deposits consisting primarily of sand and silt.