

TABLE IV
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA201-MW S2 RF-HA201G-MW S2 RF-HA201-MW S4 RF-HA201G-MW S4 RF-HA201-MW S5 RF-HA201-MW S6 RF-HA108-MWD S1									
	Residential	GA/GAA	Sample Date:	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/9/2004
	Direct	Pollutant	Sample Depth (ft. bgs):	2-4	2-4	4-6	4-6	8-10	10-12	9-11
	Exposure	Mobility	Soil Type:	MF	MF	MF	MF	MF	AD	AD
	Criteria	Criteria	Sample Type:	DUPLICATE		DUPLICATE				
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	--	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	500,000	7,000	--	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	26,000	1,500	--	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	500,000	10,100	--	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	500,000	600	--	--	ND	ND	ND	ND	ND	ND
m+p Xylenes	500,000	19,500	--	--	ND	ND	ND	ND	ND	ND
Methylene Chloride	82,000	100	--	--	ND	ND	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	--	--	ND	ND	ND	ND	ND	ND
n-Propylbenzene	500,000	2,000	--	--	ND	ND	ND	ND	ND	ND
o-Xylene	500,000	20,000	--	--	ND	ND	ND	ND	ND	ND
Toluene	500,000	20,000	--	--	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	--	ND	ND	ND	ND
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	--	ND	ND	ND	ND
2-Methyl Naphthalene	474,000	980	ND	ND	ND	--	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	--	ND	ND	ND	ND
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	--	ND	ND	ND	ND
Acenaphthene	1,000,000	8,400	ND	ND	ND	--	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	2900	1300	ND	--	ND	ND	ND	ND
Anthracene	1,000,000	40,000	1700	720	ND	--	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	6800	1700	ND	--	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	10000	2500	ND	--	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	15000	3900	ND	--	ND	ND	ND	ND
Benzo[g,h,i]perylene	1,000,000	4,200	5600	1900	ND	--	ND	ND	ND	ND
Benzo[k]fluoranthene	8,400	1,000	3800	1200	ND	--	ND	ND	ND	ND
Benzoic Acid	1,000,000	1,000,000	ND	ND	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	530	440	ND	--	ND	ND	ND	ND
Chrysene	84,000	1,000	4800	1900	ND	--	ND	ND	ND	ND
Dibenzo[a,h]anthracene	1,000	1,000	1700	470	ND	--	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	ND	ND	ND	--	ND	ND	ND	ND
Di-n-butylphthalate	1,000,000	14,000	ND	ND	ND	--	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	11000	3200	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	8300	2700	ND	--	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	470	ND	ND	--	ND	ND	ND	ND
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	--	ND	ND	ND	ND
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	--	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	2200	1400	ND	--	ND	ND	ND	ND
Pyrene	1,000,000	4,000	10000	2900	ND	--	ND	ND	ND	ND
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	260	120	ND	--	ND	ND	ND	ND
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	--	--	--	--	--	--	--	--
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--
4,4-DDT	1,800	NE	--	--	--	--	--	--	--	--
4,4-Methoxychlor	340,000	NE	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	ND	ND	ND	--	ND	ND	ND	--

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 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA201-MW S2 RF-HA201G-MW S2 RF-HA201-MW S4 RF-HA201G-MW S4 RF-HA201-MW S5 RF-HA201-MW S6 RF-HA108-MWD S1									
	Residential	GA/GAA	Sample Date:	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004	11/9/2004
	Direct	Pollutant	Sample Depth (ft. bgs):	2-4	2-4	4-6	4-6	8-10	10-12	9-11
	Exposure	Mobility	Soil Type:	MF	MF	MF	MF	MF	AD	AD
	Criteria	Criteria	Sample Type:	DUPLICATE		DUPLICATE				
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	ND	--	ND	ND	ND	ND
Arsenic	10	--	2.4	2.7	1.8	--	ND	ND	ND	ND
Beryllium	2	--	ND	ND	ND	--	ND	ND	ND	ND
Cadmium	34	--	ND	ND	ND	--	ND	ND	ND	ND
Chromium (hexavalent)	100	--	--	--	--	--	--	--	--	--
Chromium	NE	--	8.8	6.4	9	--	7	6.8	10	
Copper	1,400	--	43	21	65	--	4.3	6.5	35	
Lead	400	--	36	66	100	--	4.3	3.5	5.2	
Mercury	20	--	ND	ND	5.9	--	ND	ND	ND	ND
Nickel	1,400	--	5.7	5.1	5	--	4.8	4.9	7.8	
Selenium	340	--	ND	ND	ND	--	ND	ND	ND	ND
Silver	340	--	ND	ND	ND	--	ND	ND	ND	ND
Thallium	5.4	--	ND	ND	ND	--	ND	ND	ND	ND
Zinc	20,000	--	67	68	52	--	10	13	21	
SPLP Metals (mg/l):										
Antimony	--	0.006	ND	ND	ND	--	ND	ND	ND	ND
Arsenic	--	0.05	ND	ND	ND	--	ND	ND	ND	ND
Beryllium	--	0.004	ND	ND	ND	--	ND	ND	ND	ND
Cadmium	--	0.005	ND	ND	ND	--	ND	ND	ND	ND
Chromium	--	0.05	ND	ND	ND	--	ND	ND	ND	ND
Copper	--	1.3	ND	ND	0.51	--	ND	ND	ND	ND
Lead	--	0.015	ND	0.024	0.38	--	ND	ND	ND	ND
Mercury	--	0.002	ND	ND	ND	--	ND	ND	ND	ND
Nickel	--	0.1	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
Thallium	--	0.005	ND	ND	ND	--	ND	ND	ND	ND
Zinc	--	5	0.19	0.25	0.79	--	0.35	0.22	0.37	
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 CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
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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SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA108-MWD S2 RF-HA108-MW-S1 RF-HA108-MW-S2 RF-HA108-MW-S3 RF-HA108-MW-S4 RF-HA108-MW-S4A RF-HA202-MW S1										
	Residential	GA/GAA	Sample Date:	11/9/2004	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	11/4/2004
	Direct	Pollutant	Sample Depth (ft. bgs):	11-13	0-2	2-4	5-7	7-8.4	8.4-9	0-2	
	Exposure	Mobility	Soil Type:	AD	EF	IWF	IWF	IWF	AD	EF	
	Criteria	Criteria	Sample Type:								
Volatile Organic Compounds (ug/kg):											
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	ND	ND	190	67	--	--	
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	ND	ND	250	55	--	--	
1,4-Dichlorobenzene	26,000	1,500	ND	ND	ND	ND	ND	ND	--	--	
Ethylbenzene	500,000	10,100	ND	ND	ND	ND	31	5.8	--	--	
Isopropylbenzene	500,000	600	ND	ND	ND	ND	13	6.6	--	--	
m+p Xylenes	500,000	19,500	ND	ND	ND	ND	26	12	--	--	
Methylene Chloride	82,000	100	ND	ND	ND	ND	ND	ND	--	--	
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	7400	3100	--	--	
n-Propylbenzene	500,000	2,000	ND	ND	ND	ND	6.1	ND	--	--	
o-Xylene	500,000	20,000	ND	ND	ND	ND	27	22	--	--	
Toluene	500,000	20,000	ND	ND	ND	ND	ND	ND	--	--	
Semi-Volatile Organic Compounds (ug/kg):											
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	ND	ND	ND	ND	ND	
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	ND	ND	
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	400	300	ND	ND	ND	
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND	34000	ND	ND	ND	
Acenaphthylene	1,000,000	8,400	ND	ND	ND	510	3400	ND	ND	ND	
Anthracene	1,000,000	40,000	ND	ND	ND	350	25000	ND	ND	ND	
Benzo[a]anthracene	1,000	1,000	ND	ND	ND	1300*	17000*	ND	ND	520	
Benzo[a]pyrene	1,000	1,000	ND	ND	ND	1200*	10000*	ND	ND	800	
Benzo[b]fluoranthene	1,000	1,000	ND	ND	ND	2100*	11000*	ND	ND	1200	
Benzo[g,h,i]perylene	1,000,000	4,200	ND	ND	ND	440	1600	ND	ND	370	
Benzo[k]fluoranthene	8,400	1,000	ND	ND	ND	1200*	5200*	ND	ND	380	
Benzoic Acid	1,000,000	1,000,000	ND	ND	ND	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	ND	ND	ND	ND	7500*	ND	ND	ND	
Chrysene	84,000	1,000	ND	ND	220	1700*	16000*	ND	ND	540	
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	ND	ND	880	ND	ND	ND	
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	
Di-n-butylphthalate	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	1,000,000	5,600	ND	ND	ND	2600	48000*	240	ND	800	
Fluorene	1,000,000	5,600	ND	ND	ND	220	41000*	210	ND	ND	
Indeno[1,2,3-cd]pyrene	1,000	1,000	ND	ND	ND	540	2300*	ND	ND	530	
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	49000*	1400	ND	ND	
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	1,000,000	4,000	ND	ND	290	890	120000*	530	ND	ND	
Pyrene	1,000,000	4,000	ND	ND	ND	2800	47000*	270	ND	770	
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	ND	ND	ND	43000*	9200*	670	120	120	
Pesticides (ug/kg)											
4,4-DDD	2,600	NE	--	ND	ND	ND	ND	ND	ND	--	
4,4-DDE	1,800	NE	--	ND	ND	ND	ND	ND	ND	--	
4,4-DDT	1,800	NE	--	ND	ND	ND	ND	ND	ND	--	
4,4-Methoxychlor	340,000	NE	--	ND	ND	ND	ND	ND	ND	--	
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	ND	ND	ND	ND	ND	ND	ND	

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 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA108-MWD S2	RF-HA108-MW-S1	RF-HA108-MW-S2	RF-HA108-MW-S3	RF-HA108-MW-S4	RF-HA108-MW-S4A	RF-HA202-MW S1	
			Sample Date:	11/9/2004	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	11/4/2004
			Sample Depth (ft. bgs):	11-13	0-2	2-4	5-7	7-8.4	8.4-9	0-2	
			Soil Type:	AD	EF	IWF	IWF	IWF	AD	EF	
Sample Type:											
Total Metals (mg/kg):											
Antimony	27	--	ND	ND	ND	12	4.5	ND	ND	ND	
Arsenic	10	--	ND	1.1	16	23	8.7	ND	ND	2.2	
Beryllium	2	--	ND	ND	ND	ND	ND	ND	ND	ND	
Cadmium	34	--	ND	ND	ND	ND	5.1	ND	ND	ND	
Chromium (hexavalent)	100	--	--	--	--	--	--	--	--	--	
Chromium	NE	--	7.8	8.6	5	16	2.7	7.9	7.9	7.9	
Copper	1,400	--	11	11	32	480	3000	9	18	18	
Lead	400	--	3.5	16	5.4	1800	290	5.3	34	34	
Mercury	20	--	ND	ND	ND	2.3	4.2	0.32	ND	ND	
Nickel	1,400	--	6.1	6.6	7.1	240	61	2	5.7	5.7	
Selenium	340	--	ND	ND	1.6	1.2	ND	ND	ND	ND	
Silver	340	--	ND	ND	ND	ND	ND	ND	ND	ND	
Thallium	5.4	--	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	20,000	--	20	25	8	790	2600	33	47	47	
SPLP Metals (mg/l):											
Antimony	--	0.006	ND	--	--	--	--	--	--	ND	
Arsenic	--	0.05	ND	--	--	--	--	--	--	ND	
Beryllium	--	0.004	ND	--	--	--	--	--	--	ND	
Cadmium	--	0.005	ND	--	--	--	--	--	--	ND	
Chromium	--	0.05	ND	--	--	--	--	--	--	ND	
Copper	--	1.3	ND	--	--	--	--	--	--	ND	
Lead	--	0.015	ND	--	--	--	--	--	--	ND	
Mercury	--	0.002	ND	--	--	--	--	--	--	ND	
Nickel	--	0.1	ND	--	--	--	--	--	--	ND	
Selenium	--	0.05	ND	--	--	--	--	--	--	ND	
Silver	--	0.036	ND	--	--	--	--	--	--	ND	
Thallium	--	0.005	ND	--	--	--	--	--	--	ND	
Zinc	--	5	0.42	--	--	--	--	--	--	0.22	
Total Cyanide (mg/kg):	1,400	NE	--	ND	ND	ND	ND	ND	ND	--	

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- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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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 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Mobility Criteria	Sample ID:	RF-HA202-MW S3	RF-HA202-MW S5	RF-HA202-MW S6	RF-HA214 S1	RF-HA214G S1	RF-HA214 S2	RF-HA214G S2
			Sample Date:	11/4/2004	11/4/2004	11/4/2004	11/10/2004	11/10/2004	11/10/2004	11/10/2004
			Sample Depth (ft. bgs):	4-6	9-10	10-12	0-2	0-2	2-4	2-4
			Soil Type:	MF	AD	AD	EF	EF	IWF	IWF
			Sample Type:					DUPLICATE		DUPLICATE
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	--	--	--	ND	--	ND	--	
1,3,5-Trimethylbenzene	500,000	7,000	--	--	--	ND	--	ND	--	
1,4-Dichlorobenzene	26,000	1,500	--	--	--	ND	--	ND	--	
Ethylbenzene	500,000	10,100	--	--	--	ND	--	ND	--	
Isopropylbenzene	500,000	600	--	--	--	ND	--	ND	--	
m+p Xylenes	500,000	19,500	--	--	--	ND	--	ND	--	
Methylene Chloride	82,000	100	--	--	--	ND	--	ND	--	
Naphthalene	1,000,000	5,600	--	--	--	ND	--	ND	--	
n-Propylbenzene	500,000	2,000	--	--	--	ND	--	ND	--	
o-Xylene	500,000	20,000	--	--	--	ND	--	ND	--	
Toluene	500,000	20,000	--	--	--	ND	--	ND	--	
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	--	ND	ND	ND	ND	
1,3-Dichlorobenzene	500,000	12,000	ND	ND	--	ND	ND	ND	ND	
2-Methyl Naphthalene	474,000	980	ND	ND	--	ND	ND	ND	ND	
3,3-Dichlorobenzidine	1,400	330	ND	ND	--	ND	ND	ND	ND	
3+4 Methyl Phenol	340,000	1,000	ND	ND	--	ND	ND	ND	ND	
Acenaphthene	1,000,000	8,400	ND	ND	--	ND	ND	ND	ND	
Acenaphthylene	1,000,000	8,400	380	ND	--	ND	ND	ND	ND	
Anthracene	1,000,000	40,000	490	ND	--	ND	ND	ND	ND	
Benzo[a]anthracene	1,000	1,000	3600	ND	--	ND	ND	ND	ND	
Benzo[a]pyrene	1,000	1,000	4600	ND	--	ND	ND	ND	ND	
Benzo[b]fluoranthene	1,000	1,000	6500	ND	--	ND	ND	ND	ND	
Benzo[g,h,i]perylene	1,000,000	4,200	1400	ND	--	ND	ND	ND	ND	
Benzo[k]fluoranthene	8,400	1,000	2000	ND	--	ND	ND	ND	ND	
Benzoic Acid	1,000,000	1,000,000	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	670	ND	--	ND	ND	ND	ND	
Chrysene	84,000	1,000	3500	ND	--	ND	ND	ND	ND	
Dibenz[a,h]anthracene	1,000	1,000	490	ND	--	ND	ND	ND	ND	
Dibenzofuran	270,000	1,000	ND	ND	--	ND	ND	ND	ND	
Di-n-butylphthalate	1,000,000	14,000	ND	ND	--	ND	ND	ND	ND	
Fluoranthene	1,000,000	5,600	6000	ND	--	ND	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	2400	ND	--	ND	ND	ND	ND	
Naphthalene	1,000,000	5,600	ND	ND	--	ND	ND	ND	ND	
n-Nitroso-dimethylamine	NE	NE	ND	ND	--	ND	ND	ND	ND	
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	--	ND	ND	ND	ND	
Phenanthrene	1,000,000	4,000	1700	ND	--	ND	ND	ND	ND	
Pyrene	1,000,000	4,000	5600	ND	--	ND	ND	ND	ND	
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	ND	ND	--	ND	ND	ND	190	
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	--	--	--	--	--	--	--	
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	
4,4-DDT	1,800	NE	--	--	--	--	--	--	--	
4,4-Methoxychlor	340,000	NE	--	--	--	--	--	--	--	
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	ND	ND	--	--	--	--	--	

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA202-MW S3	RF-HA202-MW S5	RF-HA202-MW S6	RF-HA214 S1	RF-HA214G S1	RF-HA214 S2	RF-HA214G S2
			Sample Date:	11/4/2004	11/4/2004	11/4/2004	11/10/2004	11/10/2004	11/10/2004	11/10/2004
			Sample Depth (ft. bgs):	4-6	9-10	10-12	0-2	0-2	2-4	2-4
			Soil Type:	MF	AD	AD	EF	EF	IWF	IWF
Sample Type:					DUPLICATE		DUPLICATE			
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	--	ND	--	ND	--	--
Arsenic	10	--	2.7	ND	--	34	--	47	--	--
Beryllium	2	--	ND	ND	--	ND	--	ND	--	--
Cadmium	34	--	ND	ND	--	ND	--	1.7	--	--
Chromium (hexavalent)	100	--	--	--	--	--	--	--	--	--
Chromium	NE	--	7.6	ND	--	21	--	16	--	--
Copper	1,400	--	19	12	--	27	--	90	--	--
Lead	400	--	77	ND	--	130	--	67	--	--
Mercury	20	--	0.32	ND	--	ND	--	ND	--	--
Nickel	1,400	--	5.6	ND	--	9.8	--	26	--	--
Selenium	340	--	ND	ND	--	ND	--	5.4	--	--
Silver	340	--	ND	ND	--	ND	--	ND	--	--
Thallium	5.4	--	ND	ND	--	ND	--	ND	--	--
Zinc	20,000	--	66	ND	--	50	--	350	--	--
SPLP Metals (mg/l):										
Antimony	--	0.006	ND	ND	--	ND	--	ND	--	--
Arsenic	--	0.05	ND	ND	--	0.0055	--	0.0041	--	--
Beryllium	--	0.004	ND	ND	--	ND	--	ND	--	--
Cadmium	--	0.005	ND	ND	--	ND	--	ND	--	--
Chromium	--	0.05	ND	ND	--	ND	--	ND	--	--
Copper	--	1.3	ND	ND	--	ND	--	ND	--	--
Lead	--	0.015	0.016	0.028	ND	ND	--	ND	--	--
Mercury	--	0.002	ND	ND	--	ND	--	ND	--	--
Nickel	--	0.1	ND	ND	--	ND	--	ND	--	--
Selenium	--	0.05	ND	ND	--	ND	--	ND	--	--
Silver	--	0.036	ND	ND	--	ND	--	ND	--	--
Thallium	--	0.005	ND	ND	--	ND	--	ND	--	--
Zinc	--	5	0.4	0.58	--	0.37	--	1.4	--	--
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 CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA214 S3	RF-HA214 S5	RF-HA214G S5	RF-HATP-7	RF-HA109-S1	RF-HA109-S2	RF-HA109-S3
			Sample Date:	11/10/2004	11/10/2004	11/10/2004	11/18/2004	14-Aug-02	14-Aug-02	14-Aug-02
			Sample Depth (ft. bgs):	4-6	8-10	8-10	6-7	0-2	2-4	5-7
			Soil Type:	IWF	AD	AD	IWF	IWF	IWF	MF
			Sample Type:	DUPLICATE						
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	--	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	--	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	26,000	1,500	ND	ND	--	ND	ND	ND	ND	ND
Ethylbenzene	500,000	10,100	ND	ND	--	ND	ND	ND	ND	ND
Isopropylbenzene	500,000	600	ND	ND	--	ND	ND	ND	ND	ND
m+p Xylenes	500,000	19,500	ND	ND	--	ND	ND	ND	ND	ND
Methylene Chloride	82,000	100	ND	ND	--	ND	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	--	110	190	23	ND	ND
n-Propylbenzene	500,000	2,000	ND	ND	--	ND	ND	ND	ND	ND
o-Xylene	500,000	20,000	ND	ND	--	ND	ND	ND	ND	ND
Toluene	500,000	20,000	ND	ND	--	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	ND	ND	ND	ND	ND
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	ND	ND
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND	ND	ND	ND	510
Acenaphthylene	1,000,000	8,400	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	40,000	1100	ND	ND	ND	ND	250	2300	
Benzo[a]anthracene	1,000	1,000	3300	ND	ND	1500*	310	3400	8800	
Benzo[a]pyrene	1,000	1,000	3900	ND	ND	ND	230	3600	5500	
Benzo[b]fluoranthene	1,000	1,000	5100	ND	ND	1300*	540	4300	8200	
Benzo[g,h,i]perylene	1,000,000	4,200	2100	ND	ND	ND	330	3300	3200	
Benzo[k]fluoranthene	8,400	1,000	1500	ND	ND	ND	ND	1700	3300	
Benzoic Acid	1,000,000	1,000,000	ND	ND	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	1100	ND	ND	ND	ND	220	2100	
Chrysene	84,000	1,000	3200	ND	ND	2100*	490	3700	8200	
Dibenz[a,h]anthracene	1,000	1,000	640	ND	ND	ND	640	540	600	
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	ND	ND	
Di-n-butylphthalate	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	1,000,000	5,600	6400	ND	ND	2700	910	2600	10000	
Fluorene	1,000,000	5,600	550	ND	ND	ND	ND	ND	830	
Indeno[1,2,3-cd]pyrene	1,000	1,000	2800	ND	ND	ND	330	3300	4300	
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	ND	ND	ND	3000	
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	2000*	ND	ND	ND	
Phenanthrene	1,000,000	4,000	5300	ND	ND	3300	510	760	9400	
Pyrene	1,000,000	4,000	5800	ND	ND	2900	720	3300	9100	
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	380	ND	ND	--	200	1300	620	
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	--	--	--	--	ND	ND	ND	
4,4-DDE	1,800	NE	--	--	--	--	ND	ND	ND	
4,4-DDT	1,800	NE	--	--	--	--	ND	ND	ND	
4,4-Methoxychlor	340,000	NE	--	--	--	--	ND	ND	ND	
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	--	--	ND	ND	ND	

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA214 S3	RF-HA214 S5	RF-HA214G S5	RF-HATP-7	RF-HA109-S1	RF-HA109-S2	RF-HA109-S3
			Sample Date:	11/10/2004	11/10/2004	11/10/2004	11/18/2004	14-Aug-02	14-Aug-02	14-Aug-02
			Sample Depth (ft. bgs):	4-6	8-10	8-10	6-7	0-2	2-4	5-7
			Soil Type:	IWF	AD	AD	IWF	IWF	IWF	MF
			Sample Type: DUPLICATE							
Total Metals (mg/kg):										
Antimony	27	--	6	ND	--	720	5.5	120	33	
Arsenic	10	--	40	ND	--	290	51	16	33	
Beryllium	2	--	ND	ND	--	ND	ND	ND	ND	
Cadmium	34	--	2.1	ND	--	ND	1.2	ND	8.3	
Chromium (hexavalent)	100	--	--	--	--	--	--	--	--	
Chromium	NE	--	60	7.6	--	55	25	15	49	
Copper	1,400	--	980	15	--	2000	180	1500	5600	
Lead	400	--	300	5.6	--	37000	410	2100	2300	
Mercury	20	--	1.5	ND	--	9.1	1.7	2.9	2.2	
Nickel	1,400	--	94	6.9	--	490	30	30	380	
Selenium	340	--	2.3	ND	--	ND	26	2.1	26	
Silver	340	--	ND	ND	--	ND	5.1	ND	16	
Thallium	5.4	--	ND	ND	--	ND	ND	ND	ND	
Zinc	20,000	--	700	19	--	2800	680	440	11000	
SPLP Metals (mg/l):										
Antimony	--	0.006	ND	ND	--	0.017*	--	--	0.014	
Arsenic	--	0.05	0.0071	0.0044	--	0.022	--	--	ND	
Beryllium	--	0.004	ND	ND	--	ND	--	--	ND	
Cadmium	--	0.005	ND	ND	--	ND	--	--	ND	
Chromium	--	0.05	ND	ND	--	ND	--	--	ND	
Copper	--	1.3	ND	ND	--	0.079	--	--	0.27	
Lead	--	0.015	ND	ND	--	0.26*	--	--	0.065	
Mercury	--	0.002	ND	ND	--	ND	--	--	ND	
Nickel	--	0.1	0.28	ND	--	0.18*	--	--	0.15	
Selenium	--	0.05	ND	ND	--	ND	--	--	ND	
Silver	--	0.036	ND	ND	--	ND	--	--	ND	
Thallium	--	0.005	ND	ND	--	ND	--	--	ND	
Zinc	--	5	2.5	0.36	--	1.7	--	--	5.3	
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	ND	23	ND	

Notes:

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IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
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TABLE IV
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER			Sample ID:	RF-HA109-S4	RF-HA208-MW S1	RF-HA208-MW S1A	RF-HA208-MW S2	RF-HA208-MW S3	RF-HA208-MW S4	RF-HA208-MW S5
	Residential	GA/GAA	Sample Date:	14-Aug-02	11/9/2004	11/9/2004	11/9/2004	11/9/2004	11/9/2004	11/9/2004
	Direct	Pollutant	Sample Depth (ft. bgs):	7.8-9	0-2	1.7-2	2-4	4-6	6-8	8-10
	Exposure	Mobility	Soil Type:	AD	EF	IWF	IWF	IWF	AD	AD
	Criteria	Criteria	Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	--	ND	--	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	500,000	7,000	--	ND	--	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	26,000	1,500	--	ND	--	ND	ND	ND	ND	ND
Ethylbenzene	500,000	10,100	--	ND	--	ND	ND	ND	ND	ND
Isopropylbenzene	500,000	600	--	ND	--	ND	ND	ND	ND	ND
m+p Xylenes	500,000	19,500	--	ND	--	ND	ND	ND	ND	ND
Methylene Chloride	82,000	100	--	ND	--	ND	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	--	ND	--	ND	ND	ND	ND	ND
n-Propylbenzene	500,000	2,000	--	ND	--	ND	ND	ND	ND	ND
o-Xylene	500,000	20,000	--	ND	--	ND	ND	ND	ND	ND
Toluene	500,000	20,000	--	6.1	--	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	--	ND	--	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	500,000	12,000	--	ND	--	ND	ND	ND	ND	ND
2-Methyl Naphthalene	474,000	980	--	ND	--	490	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	--	ND	--	370	ND	ND	ND	ND
3+4 Methyl Phenol	340,000	1,000	--	ND	--	ND	ND	ND	ND	ND
Acenaphthene	1,000,000	8,400	ND	ND	--	530	1400	ND	ND	ND
Acenaphthylene	1,000,000	8,400	ND	ND	--	900	ND	ND	ND	ND
Anthracene	1,000,000	40,000	ND	ND	--	4400	3300	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	ND	ND	--	17000	8100*	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	ND	ND	--	21000	9400*	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	ND	590	--	34000	11000*	ND	ND	ND
Benzo[g,h,i]perylene	1,000,000	4,200	ND	ND	--	7400	3400	ND	ND	ND
Benzo[k]fluoranthene	8,400	1,000	ND	560	--	11000	4300*	ND	ND	ND
Benzoic Acid	1,000,000	1,000,000	--	ND	--	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	44,000	1,000	--	44,000	--	ND	ND	ND	ND	ND
Carbazole	31,000	1,000	--	ND	--	3000	4100*	ND	ND	ND
Chrysene	84,000	1,000	ND	360	--	14000	8100*	ND	ND	ND
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	--	2300	920	ND	ND	ND
Dibenzofuran	270,000	1,000	--	ND	--	1600	ND	ND	ND	ND
Di-n-butylphthalate	1,000,000	14,000	--	ND	--	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	ND	560	--	37000	21000*	ND	ND	ND
Fluorene	1,000,000	5,600	ND	ND	--	1000	1200	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	ND	ND	--	7900	3500*	ND	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	--	1200	ND	ND	ND	ND
n-Nitroso-dimethylamine	NE	NE	--	ND	--	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	130,000	1,000	--	ND	--	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	ND	390	--	13000	12000*	ND	ND	ND
Pyrene	1,000,000	4,000	ND	480	--	33000	17000*	ND	ND	ND
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	--	94	--	99	2100*	590*		ND
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	ND	--	--	--	--	--	--	--
4,4-DDE	1,800	NE	ND	--	--	--	--	--	--	--
4,4-DDT	1,800	NE	ND	--	--	--	--	--	--	--
4,4-Methoxychlor	340,000	NE	ND	--	--	--	--	--	--	--
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	--	--	--	--	--	--

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA109-S4	RF-HA208-MW S1	RF-HA208-MW S1A	RF-HA208-MW S2	RF-HA208-MW S3	RF-HA208-MW S4	RF-HA208-MW S5
			Sample Date:	14-Aug-02	11/9/2004	11/9/2004	11/9/2004	11/9/2004	11/9/2004	11/9/2004
			Sample Depth (ft. bgs):	7.8-9	0-2	1.7-2	2-4	4-6	6-8	8-10
			Soil Type:	AD	EF	IWF	IWF	IWF	AD	AD
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	ND	33	8.2	27	8.8	ND
Arsenic	10	--	1.7	12	25	15	49	16	1.7	
Beryllium	2	--	ND	ND	ND	ND	ND	ND	ND	
Cadmium	34	--	ND	ND	ND	ND	1.7	ND	ND	
Chromium (hexavalent)	100	--	ND	--	--	--	--	--	--	
Chromium	NE	--	--	13	140	9.5	20	9.6	8.6	
Copper	1,400	--	4.1	53	1300	330	610	220	62	
Lead	400	--	4.3	85	4300	330	2200	1600	110	
Mercury	20	--	ND	0.75	6.8	2.6	3.6	0.78	ND	
Nickel	1,400	--	17	16	570	59	520	170	10	
Selenium	340	--	ND	ND	6.6	ND	ND	ND	ND	
Silver	340	--	ND	ND	ND	ND	ND	ND	ND	
Thallium	5.4	--	ND	ND	140	ND	ND	ND	ND	
Zinc	20,000	--	240	52	450	150	2900	980	80	
SPLP Metals (mg/l):										
Antimony	--	0.006	--	ND	0.012	ND	ND	0.0073*	ND	
Arsenic	--	0.05	--	0.0052	ND	ND	0.02	0.021	ND	
Beryllium	--	0.004	--	ND	ND	ND	ND	ND	ND	
Cadmium	--	0.005	--	ND	ND	ND	ND	ND	ND	
Chromium	--	0.05	--	ND	ND	ND	ND	ND	ND	
Copper	--	1.3	--	0.041	0.14	0.049	0.042	ND	ND	
Lead	--	0.015	--	0.031	0.16	0.063	0.2*	0.15*	ND	
Mercury	--	0.002	--	ND	ND	ND	ND	ND	ND	
Nickel	--	0.1	--	ND	0.17	ND	0.27*	0.16*	ND	
Selenium	--	0.05	--	ND	ND	ND	ND	ND	ND	
Silver	--	0.036	--	ND	ND	ND	ND	ND	ND	
Thallium	--	0.005	--	ND	ND	ND	ND	ND	ND	
Zinc	--	5	--	0.56	0.67	0.49	2.7	1.9	0.6	
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 CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA117-S1	RF-HA117-S1A	RF-HA117-S2	RF-HA117-S3	RF-HA117-S4	RF-HA207-MW S1	RF-HA207G-MW S1
			Sample Date:	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	11/9/2004	11/9/2004
			Sample Depth (ft. bgs):	0-0.5	0.5-1.8	2-4	5-7	8-9	0-2	0-2
			Soil Type:	EF	MF	IWF	MF	AD	EF	EF
			Sample Type:							DUPLICATE
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	ND	ND	--	--	--	--
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	ND	ND	--	--	--	--
1,4-Dichlorobenzene	26,000	1,500	ND	ND	ND	ND	--	--	--	--
Ethylbenzene	500,000	10,100	ND	ND	ND	ND	--	--	--	--
Isopropylbenzene	500,000	600	ND	ND	ND	ND	--	--	--	--
m+p Xylenes	500,000	19,500	ND	ND	ND	ND	--	--	--	--
Methylene Chloride	82,000	100	ND	ND	ND	ND	--	--	--	--
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	--	--	--	--
n-Propylbenzene	500,000	2,000	ND	ND	ND	ND	--	--	--	--
o-Xylene	500,000	20,000	ND	ND	ND	ND	--	--	--	--
Toluene	500,000	20,000	ND	ND	ND	ND	--	--	--	--
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	ND	ND	ND	ND	--
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	ND	ND	ND	ND	--
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	ND	ND	--
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	ND	ND	ND	ND	--
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	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	ND	890	500	--
Anthracene	1,000,000	40,000	ND	ND	220	220	ND	500	710	--
Benzo[a]anthracene	1,000	1,000	ND	ND	760	910	ND	710	1100	--
Benzo[a]pyrene	1,000	1,000	ND	ND	710	1100	ND	1700	1700	--
Benzo[b]fluoranthene	1,000	1,000	240	ND	990	1400	ND	1700	1700	--
Benzo[g,h,i]perylene	1,000,000	4,200	ND	ND	470	830	ND	610	610	--
Benzo[k]fluoranthene	8,400	1,000	ND	ND	370	590	ND	590	590	--
Benzoic Acid	1,000,000	1,000,000	ND	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	ND	ND	ND	ND	ND	ND	--
Chrysene	84,000	1,000	ND	ND	850	990	ND	1200	1200	--
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-butylphthalate	1,000,000	14,000	ND	ND	ND	ND	--	ND	ND	--
Fluoranthene	1,000,000	5,600	280	ND	1400	2000	ND	1900	1900	--
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	510	850	ND	590	590	--
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	--
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	ND	--	ND	ND	--
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	ND	--	ND	ND	--
Phenanthrene	1,000,000	4,000	ND	ND	1200	1000	ND	790	790	--
Pyrene	1,000,000	4,000	240	ND	1200	1600	ND	1800	1800	--
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	ND	ND	150	130	ND	71	71	--
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	ND	--	--	--	--	ND	ND	ND
4,4-DDE	1,800	NE	330	--	--	--	--	130	130	440
4,4-DDT	1,800	NE	140	--	--	--	--	ND	ND	190
4,4-Methoxychlor	340,000	NE	ND	--	--	--	--	ND	ND	ND
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	ND	ND	ND	ND	--	ND	ND	ND

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA117-S1	RF-HA117-S1A	RF-HA117-S2	RF-HA117-S3	RF-HA117-S4	RF-HA207-MW S1	RF-HA207G-MW S1
			Sample Date:	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	11/9/2004	11/9/2004
			Sample Depth (ft. bgs):	0-0.5	0.5-1.8	2-4	5-7	8-9	0-2	0-2
			Soil Type:	EF	MF	IWF	MF	AD	EF	EF
			Sample Type:	DUPLICATE						
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	4.3	20	ND	ND	ND	--
Arsenic	10	--	31	1	19	30	ND	20	ND	--
Beryllium	2	--	ND	ND	ND	ND	ND	ND	ND	--
Cadmium	34	--	ND	ND	ND	ND	ND	ND	ND	--
Chromium (hexavalent)	100	--	ND	ND	ND	ND	--	--	--	--
Chromium	NE	--	--	--	--	--	3.4	13	--	--
Copper	1,400	--	65	11	300	760	6.6	18	--	--
Lead	400	--	140	6.4	170	1800	6.5	80	--	--
Mercury	20	--	0.92	ND	ND	0.95	ND	ND	ND	--
Nickel	1,400	--	10	3.7	35	110	18	5.7	--	--
Selenium	340	--	ND	ND	2.1	5.2	ND	ND	ND	--
Silver	340	--	ND	ND	ND	ND	ND	ND	ND	--
Thallium	5.4	--	ND	ND	ND	ND	ND	ND	ND	--
Zinc	20,000	--	77	9.9	190	2500	400	44	--	--
SPLP Metals (mg/l):										
Antimony	--	0.006	--	--	--	--	--	ND	--	--
Arsenic	--	0.05	--	--	--	--	--	0.017	--	--
Beryllium	--	0.004	--	--	--	--	--	ND	--	--
Cadmium	--	0.005	--	--	--	--	--	ND	--	--
Chromium	--	0.05	--	--	--	--	--	ND	--	--
Copper	--	1.3	--	--	--	--	--	ND	--	--
Lead	--	0.015	--	--	--	--	--	0.024	--	--
Mercury	--	0.002	--	--	--	--	--	ND	--	--
Nickel	--	0.1	--	--	--	--	--	ND	--	--
Selenium	--	0.05	--	--	--	--	--	ND	--	--
Silver	--	0.036	--	--	--	--	--	ND	--	--
Thallium	--	0.005	--	--	--	--	--	ND	--	--
Zinc	--	5	--	--	--	--	--	1.3	--	--
Total Cyanide (mg/kg):	1,400	NE	ND	ND	ND	ND	--	--	--	--

Notes:

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IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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GD: Glaciodeltaic Deposits: Glacial meltwater deposits consisting primarily of sand and silt.

TABLE IV
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA207-MW S2 RF-HA207-MW S3 RF-HA207-MW S5 RF-HA207-MW S6 RF-HATP-6 RF-HA111-S1 RF-HA111-S2									
	Residential	GA/GAA	Sample Date:	11/9/2004	11/9/2004	11/9/2004	11/9/2004	11/18/2004	14-Aug-02	14-Aug-02
	Direct	Pollutant	Sample Depth (ft. bgs):	2-4	4-6	8-10	10-12	6-6.5	1-2	2-3
	Exposure	Mobility	Soil Type:	EF	IWF	IWF	AD	DRF/IWF	MF	MF
	Criteria	Criteria	Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	23	ND	ND	ND	ND	87
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	ND	ND	ND	ND	ND	41
1,4-Dichlorobenzene	26,000	1,500	ND	ND	ND	ND	10	ND	ND	ND
Ethylbenzene	500,000	10,100	ND	ND	ND	ND	ND	ND	ND	7.4
Isopropylbenzene	500,000	600	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	500,000	19,500	ND	ND	ND	ND	ND	ND	ND	31
Methylene Chloride	82,000	100	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	ND	65	ND	ND	ND	ND	ND	ND
n-Propylbenzene	500,000	2,000	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	500,000	20,000	ND	ND	ND	ND	ND	ND	ND	13
Toluene	500,000	20,000	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	ND	1200	ND	ND	ND
2-Methyl Naphthalene	474,000	980	ND	630	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	ND	ND	ND	ND	ND
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	1,000,000	8,400	ND	880	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	ND	1700	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	40,000	ND	7000	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	ND	10000*	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	ND	9500*	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	ND	13000*	ND	ND	540	220	220	220
Benzo[g,h,i]perylene	1,000,000	4,200	ND	2900	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	8,400	1,000	ND	4700*	ND	ND	ND	ND	ND	ND
Benzoic Acid	1,000,000	1,000,000	ND	ND	ND	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	ND	19000*	ND	ND	ND	ND	ND	ND
Chrysene	84,000	1,000	ND	9400*	ND	ND	ND	ND	450	450
Dibenz[a,h]anthracene	1,000	1,000	ND	1100*	ND	ND	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	ND	3800*	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	ND	31000*	ND	ND	670	310	310	310
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	3400*	ND	ND	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	ND	760	ND	ND	ND	ND	ND	ND
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	ND	32000*	ND	1600	ND	ND	340	340
Pyrene	1,000,000	4,000	ND	25000*	ND	ND	540	270	270	270
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	ND	210	1300*	ND	370	ND	120	120
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	--	--	--	--	--	ND	ND	ND
4,4-DDE	1,800	NE	--	--	--	--	--	57	57	57
4,4-DDT	1,800	NE	--	--	--	--	--	ND	ND	ND
4,4-Methoxychlor	340,000	NE	--	--	--	--	--	ND	ND	ND
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	--	--	--	ND	ND	ND

TABLE IV
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 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA207-MW S2	RF-HA207-MW S3	RF-HA207-MW S5	RF-HA207-MW S6	RF-HATP-6	RF-HA111-S1	RF-HA111-S2
			Sample Date:	11/9/2004	11/9/2004	11/9/2004	11/9/2004	11/18/2004	14-Aug-02	14-Aug-02
			Sample Depth (ft. bgs):	2-4	4-6	8-10	10-12	6-6.5	1-2	2-3
			Soil Type:	EF	IWF	IWF	AD	DRF/IWF	MF	MF
Sample Type:										
Total Metals (mg/kg):										
Antimony	27	--	ND	5.9	4.4	ND	16	ND	ND	ND
Arsenic	10	--	1.5	23	20	ND	26	29	17	ND
Beryllium	2	--	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	34	--	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (hexavalent)	100	--	--	--	--	--	--	--	--	--
Chromium	NE	--	7	29	16	14	33	13	4.6	4.6
Copper	1,400	--	10	190	110	40	4400	37	18	18
Lead	400	--	5.4	630	280	12	1000	77	7.2	7.2
Mercury	20	--	ND	3.1	0.34	ND	6	0.2	0.35	0.35
Nickel	1,400	--	4.3	20	20	ND	350	9.4	9.4	9.4
Selenium	340	--	ND	1.8	3.1	ND	5.3	ND	2.1	2.1
Silver	340	--	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	5.4	--	ND	ND	ND	ND	91	ND	ND	ND
Zinc	20,000	--	14	420	500	24	2300	52	12	12
SPLP Metals (mg/l):										
Antimony	--	0.006	ND	ND	ND	ND	ND	--	--	--
Arsenic	--	0.05	ND	0.0071	0.0068	ND	ND	--	--	--
Beryllium	--	0.004	ND	ND	ND	ND	ND	--	--	--
Cadmium	--	0.005	ND	ND	ND	ND	ND	--	--	--
Chromium	--	0.05	ND	ND	ND	ND	ND	--	--	--
Copper	--	1.3	ND	ND	ND	ND	ND	--	--	--
Lead	--	0.015	ND	0.025*	ND	ND	0.028*	--	--	--
Mercury	--	0.002	ND	ND	ND	ND	ND	--	--	--
Nickel	--	0.1	ND	ND	ND	ND	0.98*	--	--	--
Selenium	--	0.05	ND	ND	ND	ND	ND	--	--	--
Silver	--	0.036	ND	ND	ND	ND	ND	--	--	--
Thallium	--	0.005	ND	ND	ND	ND	ND	--	--	--
Zinc	--	5	0.57	0.43	0.29	0.64	3.8	--	--	--
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	--	ND	ND	ND

Notes:

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IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
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 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA111-S2A	RF-HA111-S2B	RF-HA111-S3	RF-HA111-S4	RF-HA111-S5	RF-HA112-S1	RF-HA112-S2
			Sample Date:	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02
			Sample Depth (ft. bgs):	3-3.5	3.5-4	5-7	7-8.5	10-12	0.5-1.1	2-3.5
			Soil Type:	MF	IWF	IWF	IWF	AD	EF	EF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	18	22	710	--	ND	ND	ND
1,3,5-Trimethylbenzene	500,000	7,000	ND	19	ND	320	--	ND	ND	ND
1,4-Dichlorobenzene	26,000	1,500	ND	ND	ND	ND	--	ND	ND	ND
Ethylbenzene	500,000	10,100	ND	ND	ND	17	--	ND	ND	ND
Isopropylbenzene	500,000	600	ND	ND	ND	6.1	--	ND	ND	ND
m+p Xylenes	500,000	19,500	ND	ND	ND	20	--	ND	ND	ND
Methylene Chloride	82,000	100	ND	ND	ND	ND	--	ND	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	ND	150	--	ND	ND	ND
n-Propylbenzene	500,000	2,000	ND	ND	ND	40	--	ND	ND	ND
o-Xylene	500,000	20,000	ND	ND	ND	22	--	ND	ND	ND
Toluene	500,000	20,000	ND	ND	ND	ND	--	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	ND	--	ND	ND	ND
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	ND	--	ND	ND	ND
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	--	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	ND	--	ND	ND	ND
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	1200*	--	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	--	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	--	230	ND	ND
Benzo[a]pyrene	1,000	1,000	ND	ND	ND	ND	--	240	ND	ND
Benzo[b]fluoranthene	1,000	1,000	ND	ND	ND	ND	--	360	ND	ND
Benzo[g,h,i]perylene	1,000,000	4,200	ND	ND	ND	ND	--	210	ND	ND
Benzo[k]fluoranthene	8,400	1,000	ND	ND	ND	ND	--	ND	ND	ND
Benzoic Acid	1,000,000	1,000,000	ND	ND	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	ND	ND	ND	--	ND	ND	ND
Chrysene	84,000	1,000	ND	ND	ND	ND	--	310	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-butylphthalate	1,000,000	14,000	ND	ND	ND	ND	--	ND	ND	ND
Fluoranthene	1,000,000	5,600	ND	ND	250	ND	--	540	ND	ND
Fluorene	1,000,000	5,600	ND	ND	ND	260	--	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	ND	ND	ND	ND	--	230	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	--	ND	ND	ND
n-Nitroso-dimethylamine	NE	NE	ND	ND	300	ND	--	ND	ND	ND
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	ND	--	ND	ND	ND
Phenanthrene	1,000,000	4,000	ND	ND	ND	340	--	270	ND	ND
Pyrene	1,000,000	4,000	ND	ND	ND	ND	--	460	ND	ND
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	660	ND	ND	ND	--	ND	ND	ND
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	ND	ND	ND	ND	--	ND	ND	ND
4,4-DDE	1,800	NE	ND	ND	ND	ND	--	340	ND	ND
4,4-DDT	1,800	NE	ND	ND	ND	ND	--	140	ND	ND
4,4-Methoxychlor	340,000	NE	ND	ND	ND	ND	--	ND	ND	ND
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	ND	ND	ND	ND	ND	ND	ND	ND

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA111-S2A	RF-HA111-S2B	RF-HA111-S3	RF-HA111-S4	RF-HA111-S5	RF-HA112-S1	RF-HA112-S2	
			Sample Date:	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02
			Sample Depth (ft. bgs):	3-3.5	3.5-4	5-7	7-8.5	10-12	0.5-1.1	2-3.5	
			Soil Type:	MF	IWF	IWF	IWF	AD	EF	EF	
Sample Type:											
Total Metals (mg/kg):											
Antimony	27	--		13	3.3	240	4.3	ND	2.5	ND	
Arsenic	10	--		11	60	63	8.3	ND	40	5.4	
Beryllium	2	--		ND	1	ND	ND	ND	ND	ND	
Cadmium	34	--		ND	ND	ND	ND	ND	ND	ND	
Chromium (hexavalent)	100	--		--	--	--	--	ND	--	--	
Chromium	NE	--		19	11	ND	3.4	--	19	7.4	
Copper	1,400	--		320	510	1100	85	9.1	37	8.8	
Lead	400	--		1400	62	14000	21	8	150	12	
Mercury	20	--		0.81	2.9	3	0.54	ND	0.46	ND	
Nickel	1,400	--		96	32	62	110	4.1	9.1	4.6	
Selenium	340	--		ND	3.9	ND	ND	ND	ND	ND	
Silver	340	--		ND	ND	ND	ND	ND	ND	ND	
Thallium	5.4	--		ND	ND	ND	ND	2.5	ND	ND	
Zinc	20,000	--		43	51	770	440	19	59	22	
SPLP Metals (mg/l):											
Antimony	--	0.006		--	--	0.012	--	--	--	--	
Arsenic	--	0.05		--	--	ND	--	--	--	--	
Beryllium	--	0.004		--	--	ND	--	--	--	--	
Cadmium	--	0.005		--	--	ND	--	--	--	--	
Chromium	--	0.05		--	--	ND	--	--	--	--	
Copper	--	1.3		--	--	ND	--	--	--	--	
Lead	--	0.015		--	--	0.53	--	--	--	--	
Mercury	--	0.002		--	--	ND	--	--	--	--	
Nickel	--	0.1		--	--	ND	--	--	--	--	
Selenium	--	0.05		--	--	ND	--	--	--	--	
Silver	--	0.036		--	--	ND	--	--	--	--	
Thallium	--	0.005		--	--	ND	--	--	--	--	
Zinc	--	5		--	--	0.36	--	--	--	--	
Total Cyanide (mg/kg):	1,400	NE		ND	ND	ND	ND	--	ND	ND	

Notes:

- This table includes only those compounds which were detected.
- RSR criteria means Remedial Standard Regulation criteria established by the CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA112-S2A RF-HA112-S4 RF-HA213A S1 RF-HA213A S2 RF-HA213B S1 RF-HA213B S2 RF-HA213C S1										
	Residential Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:	14-Aug-02	14-Aug-02	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/10/2004
			Sample Depth (ft. bgs):	3.5-4	4-6	0-1	1-2	0-1	1-2	0-1	0-1
			Soil Type:	IWF	AD	EF	IWF	EF	IWF	EF	EF
			Sample Type:								
Volatile Organic Compounds (ug/kg):											
1,2,4-Trimethylbenzene	500,000	7,000	ND	--	--	--	--	--	--	--	
1,3,5-Trimethylbenzene	500,000	7,000	ND	--	--	--	--	--	--	--	
1,4-Dichlorobenzene	26,000	1,500	ND	--	--	--	--	--	--	--	
Ethylbenzene	500,000	10,100	ND	--	--	--	--	--	--	--	
Isopropylbenzene	500,000	600	ND	--	--	--	--	--	--	--	
m+p Xylenes	500,000	19,500	ND	--	--	--	--	--	--	--	
Methylene Chloride	82,000	100	ND	--	--	--	--	--	--	--	
Naphthalene	1,000,000	5,600	ND	--	--	--	--	--	--	--	
n-Propylbenzene	500,000	2,000	ND	--	--	--	--	--	--	--	
o-Xylene	500,000	20,000	ND	--	--	--	--	--	--	--	
Toluene	500,000	20,000	ND	--	--	--	--	--	--	--	
Semi-Volatile Organic Compounds (ug/kg):											
1,2,4-Trichlorobenzene	680,000	1,400	ND	--	--	--	--	--	--	--	
1,3-Dichlorobenzene	500,000	12,000	ND	--	--	--	--	--	--	--	
2-Methyl Naphthalene	474,000	980	ND	--	--	--	--	--	--	--	
3,3-Dichlorobenzidine	1,400	330	ND	--	--	--	--	--	--	--	
3+4 Methyl Phenol	340,000	1,000	ND	--	--	--	--	--	--	--	
Acenaphthene	1,000,000	8,400	ND	--	--	--	--	--	--	--	
Acenaphthylene	1,000,000	8,400	ND	--	--	--	--	--	--	--	
Anthracene	1,000,000	40,000	ND	--	--	--	--	--	--	--	
Benzo[a]anthracene	1,000	1,000	500	--	--	--	--	--	--	--	
Benzo[a]pyrene	1,000	1,000	220	--	--	--	--	--	--	--	
Benzo[b]fluoranthene	1,000	1,000	1300	--	--	--	--	--	--	--	
Benzo[g,h,i]perylene	1,000,000	4,200	570	--	--	--	--	--	--	--	
Benzo[k]fluoranthene	8,400	1,000	370	--	--	--	--	--	--	--	
Benzoic Acid	1,000,000	1,000,000	ND	--	--	--	--	--	--	--	
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	--	--	--	--	--	--	--	
Carbazole	31,000	1,000	ND	--	--	--	--	--	--	--	
Chrysene	84,000	1,000	880	--	--	--	--	--	--	--	
Dibenz[a,h]anthracene	1,000	1,000	ND	--	--	--	--	--	--	--	
Dibenzofuran	270,000	1,000	ND	--	--	--	--	--	--	--	
Di-n-butylphthalate	1,000,000	14,000	ND	--	--	--	--	--	--	--	
Fluoranthene	1,000,000	5,600	1300	--	--	--	--	--	--	--	
Fluorene	1,000,000	5,600	ND	--	--	--	--	--	--	--	
Indeno[1,2,3-cd]pyrene	1,000	1,000	710	--	--	--	--	--	--	--	
Naphthalene	1,000,000	5,600	450	--	--	--	--	--	--	--	
n-Nitroso-dimethylamine	NE	NE	ND	--	--	--	--	--	--	--	
n-Nitrosodiphenylamine	130,000	1,000	ND	--	--	--	--	--	--	--	
Phenanthrene	1,000,000	4,000	800	--	--	--	--	--	--	--	
Pyrene	1,000,000	4,000	1100	--	--	--	--	--	--	--	
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	1000	ND	--	--	--	--	--	--	
Pesticides (ug/kg)											
4,4-DDD	2,600	NE	ND	--	ND	ND	ND	ND	ND	ND	
4,4-DDE	1,800	NE	ND	--	310	ND	350	57	580		
4,4-DDT	1,800	NE	ND	--	100	ND	140	ND	210		
4,4-Methoxychlor	340,000	NE	ND	--	ND	ND	ND	ND	ND		
Polychlorinated Biphenyls (PCBs) (mg/kg):											
	1	0.0005	ND	--	--	--	--	--	--	--	

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA112-S2A RF-HA112-S4 RF-HA213A S1 RF-HA213A S2 RF-HA213B S1 RF-HA213B S2 RF-HA213C S1									
	Sample Date: 14-Aug-02 14-Aug-02 11/10/2004 11/10/2004 11/10/2004 11/10/2004 11/10/2004									
	Sample Depth (ft. bgs): 3.5-4 4-6 0-1 1-2 0-1 1-2 0-1									
	Soil Type: IWF AD EF IWF EF IWF EF									
	Sample Type:									
Total Metals (mg/kg):										
Antimony	27	--	17	ND	--	--	--	--	--	--
Arsenic	10	--	13	ND	--	--	--	--	--	--
Beryllium	2	--	ND	ND	--	--	--	--	--	--
Cadmium	34	--	ND	ND	--	--	--	--	--	--
Chromium (hexavalent)	100	--	--	ND	--	--	--	--	--	--
Chromium	NE	--	16	--	--	--	--	--	--	--
Copper	1,400	--	450	6.6	--	--	--	--	--	--
Lead	400	--	370	4.3	--	--	--	--	--	--
Mercury	20	--	1.5	ND	--	--	--	--	--	--
Nickel	1,400	--	150	7.2	--	--	--	--	--	--
Selenium	340	--	1.7	ND	--	--	--	--	--	--
Silver	340	--	ND	ND	--	--	--	--	--	--
Thallium	5.4	--	ND	ND	--	--	--	--	--	--
Zinc	20,000	--	98	26	--	--	--	--	--	--
SPLP Metals (mg/l):										
Antimony	--	0.006	--	--	--	--	--	--	--	--
Arsenic	--	0.05	--	--	--	--	--	--	--	--
Beryllium	--	0.004	--	--	--	--	--	--	--	--
Cadmium	--	0.005	--	--	--	--	--	--	--	--
Chromium	--	0.05	--	--	--	--	--	--	--	--
Copper	--	1.3	--	--	--	--	--	--	--	--
Lead	--	0.015	--	--	--	--	--	--	--	--
Mercury	--	0.002	--	--	--	--	--	--	--	--
Nickel	--	0.1	--	--	--	--	--	--	--	--
Selenium	--	0.05	--	--	--	--	--	--	--	--
Silver	--	0.036	--	--	--	--	--	--	--	--
Thallium	--	0.005	--	--	--	--	--	--	--	--
Zinc	--	5	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg):	1,400	NE	ND	--	--	--	--	--	--	--

Notes:

- This table includes only those compounds which were detected.
- RSR criteria means Remedial Standard Regulation criteria established by the CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA213C S2	RF-HA213D S1	RF-HA213D S2	RF-HA213E S1	RF-HA213E S2	RF-HA213F S1	RF-HA213G S1
			Sample Date:	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/10/2004	1/5/2005	1/5/2005
			Sample Depth (ft. bgs):	1-2	0-1	1-2	0-1	1-2	2-3	0-1
			Soil Type:	IWF	EF	IWF	EF	EF	EF	EF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	500,000	7,000	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	26,000	1,500	--	--	--	--	--	--	--	--
Ethylbenzene	500,000	10,100	--	--	--	--	--	--	--	--
Isopropylbenzene	500,000	600	--	--	--	--	--	--	--	--
m+p Xylenes	500,000	19,500	--	--	--	--	--	--	--	--
Methylene Chloride	82,000	100	--	--	--	--	--	--	--	--
Naphthalene	1,000,000	5,600	--	--	--	--	--	--	--	--
n-Propylbenzene	500,000	2,000	--	--	--	--	--	--	--	--
o-Xylene	500,000	20,000	--	--	--	--	--	--	--	--
Toluene	500,000	20,000	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	500,000	12,000	--	--	--	--	--	--	--	--
2-Methyl Naphthalene	474,000	980	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	1,400	330	--	--	--	--	--	--	--	--
3+4 Methyl Phenol	340,000	1,000	--	--	--	--	--	--	--	--
Acenaphthene	1,000,000	8,400	--	--	--	--	--	--	--	--
Acenaphthylene	1,000,000	8,400	--	--	--	--	--	--	--	--
Anthracene	1,000,000	40,000	--	--	--	--	--	--	--	--
Benzo[a]anthracene	1,000	1,000	--	--	--	--	--	--	--	--
Benzo[a]pyrene	1,000	1,000	--	--	--	--	--	--	--	--
Benzo[b]fluoranthene	1,000	1,000	--	--	--	--	--	--	--	--
Benzo[g,h,i]perylene	1,000,000	4,200	--	--	--	--	--	--	--	--
Benzo[k]fluoranthene	8,400	1,000	--	--	--	--	--	--	--	--
Benzoic Acid	1,000,000	1,000,000	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	--	--	--	--	--	--	--	--
Carbazole	31,000	1,000	--	--	--	--	--	--	--	--
Chrysene	84,000	1,000	--	--	--	--	--	--	--	--
Dibenz[a,h]anthracene	1,000	1,000	--	--	--	--	--	--	--	--
Dibenzofuran	270,000	1,000	--	--	--	--	--	--	--	--
Di-n-butylphthalate	1,000,000	14,000	--	--	--	--	--	--	--	--
Fluoranthene	1,000,000	5,600	--	--	--	--	--	--	--	--
Fluorene	1,000,000	5,600	--	--	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	1,000	1,000	--	--	--	--	--	--	--	--
Naphthalene	1,000,000	5,600	--	--	--	--	--	--	--	--
n-Nitroso-dimethylamine	NE	NE	--	--	--	--	--	--	--	--
n-Nitrosodiphenylamine	130,000	1,000	--	--	--	--	--	--	--	--
Phenanthrene	1,000,000	4,000	--	--	--	--	--	--	--	--
Pyrene	1,000,000	4,000	--	--	--	--	--	--	--	--
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	--	--	--	--	--	--	--	--
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDE	1,800	NE	290	320	ND	500	230	ND	ND	ND
4,4-DDT	1,800	NE	94	110	ND	170	39	ND	ND	ND
4,4-Methoxychlor	340,000	NE	ND	ND	ND	ND	ND	ND	ND	130
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	--	--	--	--	--	--

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 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA213C S2	RF-HA213D S1	RF-HA213D S2	RF-HA213E S1	RF-HA213E S2	RF-HA213F S1	RF-HA213G S1
			Sample Date:	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/10/2004	1/5/2005	1/5/2005
			Sample Depth (ft. bgs):	1-2	0-1	1-2	0-1	1-2	2-3	0-1
			Soil Type:	IWF	EF	IWF	EF	EF	EF	EF
Sample Type:										
Total Metals (mg/kg):										
Antimony	27	--	--	--	--	--	--	--	--	--
Arsenic	10	--	--	--	--	--	--	--	--	--
Beryllium	2	--	--	--	--	--	--	--	--	--
Cadmium	34	--	--	--	--	--	--	--	--	--
Chromium (hexavalent)	100	--	--	--	--	--	--	--	--	--
Chromium	NE	--	--	--	--	--	--	--	--	--
Copper	1,400	--	--	--	--	--	--	--	--	--
Lead	400	--	--	--	--	--	--	--	--	--
Mercury	20	--	--	--	--	--	--	--	--	--
Nickel	1,400	--	--	--	--	--	--	--	--	--
Selenium	340	--	--	--	--	--	--	--	--	--
Silver	340	--	--	--	--	--	--	--	--	--
Thallium	5.4	--	--	--	--	--	--	--	--	--
Zinc	20,000	--	--	--	--	--	--	--	--	--
SPLP Metals (mg/l):										
Antimony	--	0.006	--	--	--	--	--	--	--	--
Arsenic	--	0.05	--	--	--	--	--	--	--	--
Beryllium	--	0.004	--	--	--	--	--	--	--	--
Cadmium	--	0.005	--	--	--	--	--	--	--	--
Chromium	--	0.05	--	--	--	--	--	--	--	--
Copper	--	1.3	--	--	--	--	--	--	--	--
Lead	--	0.015	--	--	--	--	--	--	--	--
Mercury	--	0.002	--	--	--	--	--	--	--	--
Nickel	--	0.1	--	--	--	--	--	--	--	--
Selenium	--	0.05	--	--	--	--	--	--	--	--
Silver	--	0.036	--	--	--	--	--	--	--	--
Thallium	--	0.005	--	--	--	--	--	--	--	--
Zinc	--	5	--	--	--	--	--	--	--	--
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 CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA213G S2 RF-HA213G S3 RF-HA213H S1 RF-HA213I S1 RF-HA114-S1 RF-HA114-S2 RF-HA114-S3									
	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:	1/5/2005	1/5/2005	1/5/2005	1/5/2005	14-Aug-02	14-Aug-02	14-Aug-02
			Sample Depth (ft. bgs):	1-2	2-3	2-3	2-3	0.8-1.5	2-4	5-7
			Soil Type:	EF	EF	EF	EF	EF	IWF	IWF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	--	--	--	--	ND	ND	ND	
1,3,5-Trimethylbenzene	500,000	7,000	--	--	--	--	ND	ND	ND	
1,4-Dichlorobenzene	26,000	1,500	--	--	--	--	ND	ND	ND	
Ethylbenzene	500,000	10,100	--	--	--	--	ND	ND	ND	
Isopropylbenzene	500,000	600	--	--	--	--	ND	ND	ND	
m+p Xylenes	500,000	19,500	--	--	--	--	ND	ND	ND	
Methylene Chloride	82,000	100	--	--	--	--	ND	ND	ND	
Naphthalene	1,000,000	5,600	--	--	--	--	ND	ND	ND	
n-Propylbenzene	500,000	2,000	--	--	--	--	ND	ND	ND	
o-Xylene	500,000	20,000	--	--	--	--	ND	ND	ND	
Toluene	500,000	20,000	--	--	--	--	ND	ND	ND	
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	--	--	--	--	ND	ND	ND	
1,3-Dichlorobenzene	500,000	12,000	--	--	--	--	ND	ND	ND	
2-Methyl Naphthalene	474,000	980	--	--	--	--	ND	ND	ND	
3,3-Dichlorobenzidine	1,400	330	--	--	--	--	ND	ND	ND	
3+4 Methyl Phenol	340,000	1,000	--	--	--	--	ND	ND	ND	
Acenaphthene	1,000,000	8,400	--	--	--	--	ND	ND	ND	
Acenaphthylene	1,000,000	8,400	--	--	--	--	ND	ND	ND	
Anthracene	1,000,000	40,000	--	--	--	--	ND	ND	ND	
Benzo[a]anthracene	1,000	1,000	--	--	--	--	ND	430	4300	
Benzo[a]pyrene	1,000	1,000	--	--	--	--	ND	540	ND	
Benzo[b]fluoranthene	1,000	1,000	--	--	--	--	ND	1100	1700	
Benzo[g,h,i]perylene	1,000,000	4,200	--	--	--	--	ND	580	ND	
Benzo[k]fluoranthene	8,400	1,000	--	--	--	--	ND	350	ND	
Benzoic Acid	1,000,000	1,000,000	--	--	--	--	ND	ND	ND	
bis(2-Ethylhexyl)phthalate	44,000	1,000	--	--	--	--	ND	ND	ND	
Carbazole	31,000	1,000	--	--	--	--	ND	ND	ND	
Chrysene	84,000	1,000	--	--	--	--	ND	770	8000	
Dibenz[a,h]anthracene	1,000	1,000	--	--	--	--	ND	ND	ND	
Dibenzofuran	270,000	1,000	--	--	--	--	ND	ND	ND	
Di-n-butylphthalate	1,000,000	14,000	--	--	--	--	ND	ND	ND	
Fluoranthene	1,000,000	5,600	--	--	--	--	ND	870	2300	
Fluorene	1,000,000	5,600	--	--	--	--	ND	ND	ND	
Indeno[1,2,3-cd]pyrene	1,000	1,000	--	--	--	--	ND	610	ND	
Naphthalene	1,000,000	5,600	--	--	--	--	ND	ND	ND	
n-Nitroso-dimethylamine	NE	NE	--	--	--	--	ND	ND	ND	
n-Nitrosodiphenylamine	130,000	1,000	--	--	--	--	ND	ND	ND	
Phenanthrene	1,000,000	4,000	--	--	--	--	ND	590	3800	
Pyrene	1,000,000	4,000	--	--	--	--	ND	710	4900	
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	--	--	--	--	ND	260	11000	
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	ND	ND	ND	ND	53	ND	ND	
4,4-DDE	1,800	NE	ND	ND	ND	ND	340	ND	ND	
4,4-DDT	1,800	NE	ND	ND	ND	ND	55	ND	ND	
4,4-Methoxychlor	340,000	NE	ND	ND	ND	ND	ND	ND	ND	
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	--	--	ND	ND	ND	

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA213G S2	RF-HA213G S3	RF-HA213H S1	RF-HA213I S1	RF-HA114-S1	RF-HA114-S2	RF-HA114-S3
			Sample Date:	1/5/2005	1/5/2005	1/5/2005	1/5/2005	14-Aug-02	14-Aug-02	14-Aug-02
			Sample Depth (ft. bgs):	1-2	2-3	2-3	2-3	0.8-1.5	2-4	5-7
			Soil Type:	EF	EF	EF	EF	EF	IWF	IWF
Sample Type:										
Total Metals (mg/kg):										
Antimony	27	--	--	--	--	--	--	ND	12	7.2
Arsenic	10	--	--	--	--	--	--	33	19	26
Beryllium	2	--	--	--	--	--	--	ND	ND	ND
Cadmium	34	--	--	--	--	--	--	ND	ND	0.71
Chromium (hexavalent)	100	--	--	--	--	--	--	--	--	--
Chromium	NE	--	--	--	--	--	--	16	11	23
Copper	1,400	--	--	--	--	--	--	26	140	630
Lead	400	--	--	--	--	--	--	130	500	400
Mercury	20	--	--	--	--	--	--	0.34	0.31	0.67
Nickel	1,400	--	--	--	--	--	--	7.6	41	160
Selenium	340	--	--	--	--	--	--	ND	ND	1.2
Silver	340	--	--	--	--	--	--	ND	ND	ND
Thallium	5.4	--	--	--	--	--	--	ND	ND	ND
Zinc	20,000	--	--	--	--	--	--	52	310	1400
SPLP Metals (mg/l):										
Antimony	--	0.006	--	--	--	--	--	--	--	--
Arsenic	--	0.05	--	--	--	--	--	--	--	--
Beryllium	--	0.004	--	--	--	--	--	--	--	--
Cadmium	--	0.005	--	--	--	--	--	--	--	--
Chromium	--	0.05	--	--	--	--	--	--	--	--
Copper	--	1.3	--	--	--	--	--	--	--	--
Lead	--	0.015	--	--	--	--	--	--	--	--
Mercury	--	0.002	--	--	--	--	--	--	--	--
Nickel	--	0.1	--	--	--	--	--	--	--	--
Selenium	--	0.05	--	--	--	--	--	--	--	--
Silver	--	0.036	--	--	--	--	--	--	--	--
Thallium	--	0.005	--	--	--	--	--	--	--	--
Zinc	--	5	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	--	ND	ND	ND

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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- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
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- The above 'Soil Type' was described by Haley & Aldrich, Inc. as the following:
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IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA114-S4 RF-HA114-S5 RF-HA123-MW-S1 RF-HA123-MW-S1A RF-HA123-MW-S2 RF-HA123-MW-S2A RF-HA123-MW-S3										
	Residential Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:	14-Aug-02	14-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02
			Sample Depth (ft. bgs):	7-8.5	10-12	0-1	1-1.5	2-3.8	3.8-4	5-7	
			Soil Type:	MF	GD	EF	EF	IWF	MF	MF	
			Sample Type:								
Volatile Organic Compounds (ug/kg):											
1,2,4-Trimethylbenzene	500,000	7,000	ND	--	--	--	--	--	--	--	
1,3,5-Trimethylbenzene	500,000	7,000	ND	--	--	--	--	--	--	--	
1,4-Dichlorobenzene	26,000	1,500	ND	--	--	--	--	--	--	--	
Ethylbenzene	500,000	10,100	ND	--	--	--	--	--	--	--	
Isopropylbenzene	500,000	600	ND	--	--	--	--	--	--	--	
m+p Xylenes	500,000	19,500	ND	--	--	--	--	--	--	--	
Methylene Chloride	82,000	100	ND	--	--	--	--	--	--	--	
Naphthalene	1,000,000	5,600	ND	--	--	--	--	--	--	--	
n-Propylbenzene	500,000	2,000	ND	--	--	--	--	--	--	--	
o-Xylene	500,000	20,000	ND	--	--	--	--	--	--	--	
Toluene	500,000	20,000	ND	--	--	--	--	--	--	--	
Semi-Volatile Organic Compounds (ug/kg):											
1,2,4-Trichlorobenzene	680,000	1,400	ND	--	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	500,000	12,000	ND	--	ND	ND	ND	ND	ND	ND	
2-Methyl Naphthalene	474,000	980	ND	--	ND	ND	ND	ND	ND	ND	
3,3-Dichlorobenzidine	1,400	330	ND	--	ND	ND	ND	ND	ND	ND	
3+4 Methyl Phenol	340,000	1,000	ND	--	ND	ND	ND	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	310	ND	ND	220	
Anthracene	1,000,000	40,000	ND	--	ND	ND	250	210	260	260	
Benzo[a]anthracene	1,000	1,000	ND	--	ND	ND	770	850	610	610	
Benzo[a]pyrene	1,000	1,000	ND	--	ND	ND	910	860	620	620	
Benzo[b]fluoranthene	1,000	1,000	ND	--	ND	ND	1400	1000	830	830	
Benzo[g,h,i]perylene	1,000,000	4,200	ND	--	ND	ND	460	690	750	750	
Benzo[k]fluoranthene	8,400	1,000	ND	--	ND	ND	540	480	270	270	
Benzoic Acid	1,000,000	1,000,000	ND	--	ND	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	--	ND	ND	ND	ND	ND	ND	
Chrysene	84,000	1,000	ND	--	ND	ND	950	900	820	820	
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-butylphthalate	1,000,000	14,000	ND	--	ND	ND	ND	ND	ND	ND	
Fluoranthene	1,000,000	5,600	ND	--	250	ND	1500	1900	1000	1000	
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	560	770	770	770	
Naphthalene	1,000,000	5,600	ND	--	ND	ND	ND	ND	380	380	
n-Nitroso-dimethylamine	NE	NE	ND	--	ND	ND	ND	ND	ND	ND	
n-Nitrosodiphenylamine	130,000	1,000	ND	--	ND	ND	ND	ND	ND	ND	
Phenanthrene	1,000,000	4,000	230	--	ND	ND	1000	830	710	710	
Pyrene	1,000,000	4,000	200	--	220	ND	1300	1700	970	970	
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	930	--	ND	ND	390	99	440	440	
Pesticides (ug/kg)											
4,4-DDD	2,600	NE	ND	--	ND	--	--	--	--	--	
4,4-DDE	1,800	NE	ND	--	460	--	--	--	--	--	
4,4-DDT	1,800	NE	ND	--	140	--	--	--	--	--	
4,4-Methoxychlor	340,000	NE	ND	--	ND	--	--	--	--	--	
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	ND	--	ND	ND	ND	ND	ND	ND	

TABLE IV
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 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA114-S4	RF-HA114-S5	RF-HA123-MW-S1	RF-HA123-MW-S1A	RF-HA123-MW-S2	RF-HA123-MW-S2A	RF-HA123-MW-S3
			Sample Date:	14-Aug-02	14-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02
			Sample Depth (ft. bgs):	7-8.5	10-12	0-1	1-1.5	2-3.8	3.8-4	5-7
			Soil Type:	MF	GD	EF	EF	IWF	MF	MF
Sample Type:										
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	ND	ND	9.7	6	24	
Arsenic	10	--	2.7	ND	37	1.3	17	25	18	
Beryllium	2	--	ND	ND	ND	ND	1.1	ND	ND	
Cadmium	34	--	40	ND	ND	ND	ND	ND	ND	
Chromium (hexavalent)	100	--	--	ND	ND	ND	ND	ND	17	
Chromium	NE	--	4	--	--	--	--	--	--	
Copper	1,400	--	730	10	32	13	170	1100	7500	
Lead	400	--	16	2.6	150	9.1	620	3100	1400	
Mercury	20	--	0.21	ND	0.24	ND	4.7	1.8	0.94	
Nickel	1,400	--	75	6.9	6.3	3.9	98	48	38	
Selenium	340	--	ND	ND	ND	ND	2.9	1.8	1.7	
Silver	340	--	ND	ND	ND	ND	ND	6.3	ND	
Thallium	5.4	--	ND	ND	ND	ND	ND	ND	ND	
Zinc	20,000	--	6000	80	55	14	160	1300	700	
SPLP Metals (mg/l):										
Antimony	--	0.006	--	--	--	--	--	--	--	
Arsenic	--	0.05	--	--	--	--	--	--	--	
Beryllium	--	0.004	--	--	--	--	--	--	--	
Cadmium	--	0.005	--	--	--	--	--	--	--	
Chromium	--	0.05	--	--	--	--	--	--	--	
Copper	--	1.3	--	--	--	--	--	--	--	
Lead	--	0.015	--	--	--	--	--	0.086	--	
Mercury	--	0.002	--	--	--	--	--	--	--	
Nickel	--	0.1	--	--	--	--	--	--	--	
Selenium	--	0.05	--	--	--	--	--	--	--	
Silver	--	0.036	--	--	--	--	--	ND	--	
Thallium	--	0.005	--	--	--	--	--	--	--	
Zinc	--	5	--	--	--	--	--	--	--	
Total Cyanide (mg/kg):	1,400	NE	ND	--	ND	ND	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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
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SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA123-MW-S4 RF-HA203 S1 RF-HA203 S3 RF-HA203 S5 RF-HA204 S1 RF-HA204 S2 RF-HA205 S1									
	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:	23-Aug-02	11/5/2004	11/5/2004	11/5/2004	11/4/2004	11/4/2004	11/2/2004
			Sample Depth (ft. bgs):	8.5-9	0-2	4-6	8.8-10	0-2	2-4	0-2
			Soil Type:	MF	EF	IWF	AD	EF	GD	EF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	--	--	--	--	--	--	ND
1,3,5-Trimethylbenzene	500,000	7,000	ND	--	--	--	--	--	--	ND
1,4-Dichlorobenzene	26,000	1,500	ND	--	--	--	--	--	--	ND
Ethylbenzene	500,000	10,100	ND	--	--	--	--	--	--	ND
Isopropylbenzene	500,000	600	ND	--	--	--	--	--	--	ND
m+p Xylenes	500,000	19,500	ND	--	--	--	--	--	--	ND
Methylene Chloride	82,000	100	ND	--	--	--	--	--	--	33
Naphthalene	1,000,000	5,600	ND	--	--	--	--	--	--	ND
n-Propylbenzene	500,000	2,000	ND	--	--	--	--	--	--	ND
o-Xylene	500,000	20,000	ND	--	--	--	--	--	--	ND
Toluene	500,000	20,000	ND	--	--	--	--	--	--	ND
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	ND	ND	ND	ND	ND
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	ND	ND
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	ND	ND	ND	ND	ND	ND	ND	420
Anthracene	1,000,000	40,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	ND	480	ND	ND	430	ND	ND	570
Benzo[a]pyrene	1,000	1,000	ND	630	ND	ND	540	ND	ND	840
Benzo[b]fluoranthene	1,000	1,000	ND	1000	ND	ND	830	ND	ND	1200
Benzo[g,h,i]perylene	1,000,000	4,200	ND	ND	ND	ND	ND	ND	ND	490
Benzo[k]fluoranthene	8,400	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	1,000,000	1,000,000	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	84,000	1,000	ND	510	ND	ND	430	ND	ND	640
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-butylphthalate	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	ND	980	ND	ND	890	ND	ND	990
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	440	ND	ND	ND	ND	ND	640
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	ND	450	ND	ND	610	ND	ND	490
Pyrene	1,000,000	4,000	ND	840	ND	ND	740	ND	ND	970
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	ND	ND	ND	ND	ND	ND	ND	250
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	--	--	--	--	ND	--	--	ND
4,4-DDE	1,800	NE	--	--	--	--	130	--	--	ND
4,4-DDT	1,800	NE	--	--	--	--	ND	--	--	ND
4,4-Methoxychlor	340,000	NE	--	--	--	--	ND	--	--	ND
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	ND	ND	ND	ND	ND	ND	ND	ND

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA123-MW-S4		RF-HA203 S1	RF-HA203 S3	RF-HA203 S5	RF-HA204 S1	RF-HA204 S2	RF-HA205 S1		
	Residential	GA/GAA	Sample Date:	23-Aug-02	11/5/2004	11/5/2004	11/4/2004	11/4/2004	11/2/2004	
	Direct	Pollutant	Sample Depth (ft. bgs):	8.5-9	0-2	4-6	8.8-10	0-2	2-4	0-2
	Exposure	Mobility	Soil Type:	MF	EF	IWF	AD	EF	GD	EF
	Criteria	Criteria	Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	24	ND	3.8	ND	8.5	
Arsenic	10	--	ND	4.8	18	ND	18	1.9	9.6	
Beryllium	2	--	ND	ND	ND	ND	ND	ND	ND	
Cadmium	34	--	ND	ND	ND	ND	ND	ND	ND	
Chromium (hexavalent)	100	--	ND	--	--	--	--	--	--	
Chromium	NE	--	--	8.8	7.4	7.1	18	10	25	
Copper	1,400	--	43	19	350	ND	120	15	550	
Lead	400	--	4.9	59	300	6.5	190	27	220	
Mercury	20	--	ND	ND	ND	ND	1.7	ND	0.62	
Nickel	1,400	--	24	5.1	73	6.6	17	7.7	45	
Selenium	340	--	ND	ND	2.2	ND	ND	ND	ND	
Silver	340	--	ND	ND	ND	ND	ND	ND	ND	
Thallium	5.4	--	ND	ND	ND	ND	ND	ND	ND	
Zinc	20,000	--	150	58	160	21	140	130	780	
SPLP Metals (mg/l):										
Antimony	--	0.006	--	ND	ND	ND	ND	ND	ND	
Arsenic	--	0.05	--	ND	ND	ND	0.0044	ND	ND	
Beryllium	--	0.004	--	ND	ND	ND	ND	ND	ND	
Cadmium	--	0.005	--	ND	ND	ND	ND	ND	ND	
Chromium	--	0.05	--	ND	ND	ND	ND	ND	ND	
Copper	--	1.3	--	ND	ND	ND	0.049	ND	0.099	
Lead	--	0.015	--	0.018	ND	ND	0.048	ND	ND	
Mercury	--	0.002	--	ND	ND	ND	ND	ND	ND	
Nickel	--	0.1	--	ND	ND	ND	ND	ND	ND	
Selenium	--	0.05	--	ND	ND	ND	ND	ND	ND	
Silver	--	0.036	--	ND	ND	ND	ND	ND	ND	
Thallium	--	0.005	--	ND	ND	ND	ND	ND	ND	
Zinc	--	5	--	0.41	0.34	0.27	0.38	0.36	2.4	
Total Cyanide (mg/kg):	1,400	NE	ND	--	--	--	--	--	--	

Notes:

- This table includes only those compounds which were detected.
- RSR criteria means Remedial Standard Regulation criteria established by the CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA205 S2	RF-HA205 S4	RF-HA205 S5	RF-HA205 S6	RF-HA115-MW-S1	RF-HA115-MW-S2	RF-HA115-MW-S3
			Sample Date:	11/2/2004	11/2/2004	11/2/2004	11/2/2004	13-Aug-02	13-Aug-02	13-Aug-02
			Sample Depth (ft. bgs):	2-4	6-8	8-10	10-12	0-2	2-4	5-7
			Soil Type:	DRF	DRF	GD	GD	MF	IWF	GD
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	ND	--	ND	ND	ND	--
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	ND	--	ND	ND	ND	--
1,4-Dichlorobenzene	26,000	1,500	ND	ND	ND	--	ND	ND	ND	--
Ethylbenzene	500,000	10,100	ND	ND	ND	--	ND	ND	ND	--
Isopropylbenzene	500,000	600	ND	ND	ND	--	ND	ND	ND	--
m+p Xylenes	500,000	19,500	ND	ND	ND	--	ND	ND	ND	--
Methylene Chloride	82,000	100	ND	35	ND	--	ND	ND	ND	--
Naphthalene	1,000,000	5,600	ND	ND	ND	--	ND	ND	ND	--
n-Propylbenzene	500,000	2,000	ND	ND	ND	--	ND	ND	ND	--
o-Xylene	500,000	20,000	ND	ND	ND	--	ND	ND	ND	--
Toluene	500,000	20,000	ND	ND	ND	--	ND	ND	ND	--
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	--	ND	ND	ND	--
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	--	ND	ND	ND	--
2-Methyl Naphthalene	474,000	980	ND	ND	ND	--	ND	ND	ND	--
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	--	ND	ND	ND	--
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	--	ND	ND	ND	--
Acenaphthene	1,000,000	8,400	ND	ND	ND	--	ND	ND	ND	--
Acenaphthylene	1,000,000	8,400	590	ND	ND	--	ND	ND	ND	--
Anthracene	1,000,000	40,000	840	ND	ND	--	ND	ND	ND	--
Benzo[a]anthracene	1,000	1,000	1600	ND	ND	--	ND	ND	ND	--
Benzo[a]pyrene	1,000	1,000	2000	ND	ND	--	ND	ND	ND	--
Benzo[b]fluoranthene	1,000	1,000	2700	ND	ND	--	ND	ND	310	--
Benzo[g,h,i]perylene	1,000,000	4,200	1000	ND	ND	--	ND	ND	ND	--
Benzo[k]fluoranthene	8,400	1,000	820	ND	ND	--	ND	ND	ND	--
Benzoic Acid	1,000,000	1,000,000	ND	480	ND	--	ND	ND	ND	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	--	ND	ND	ND	--
Carbazole	31,000	1,000	790	ND	ND	--	ND	ND	ND	--
Chrysene	84,000	1,000	1500	ND	ND	--	ND	ND	200	--
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-butylphthalate	1,000,000	14,000	ND	ND	ND	--	ND	ND	ND	--
Fluoranthene	1,000,000	5,600	3600	ND	ND	--	ND	ND	240	--
Fluorene	1,000,000	5,600	ND	ND	ND	--	ND	ND	ND	--
Indeno[1,2,3-cd]pyrene	1,000	1,000	1400	ND	ND	--	ND	ND	ND	--
Naphthalene	1,000,000	5,600	ND	ND	ND	--	ND	ND	ND	--
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	--	ND	ND	ND	--
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	--	ND	ND	ND	--
Phenanthrene	1,000,000	4,000	2700	ND	ND	--	ND	ND	230	--
Pyrene	1,000,000	4,000	3200	ND	ND	--	ND	ND	230	--
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	130	ND	ND	--	ND	ND	110	--
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	--	--	--	--	ND	ND	ND	--
4,4-DDE	1,800	NE	--	--	--	--	ND	ND	ND	--
4,4-DDT	1,800	NE	--	--	--	--	ND	ND	ND	--
4,4-Methoxychlor	340,000	NE	--	--	--	--	ND	ND	ND	--
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	--	--	ND	ND	ND	--

TABLE IV
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA205 S2	RF-HA205 S4	RF-HA205 S5	RF-HA205 S6	RF-HA115-MW-S1	RF-HA115-MW-S2	RF-HA115-MW-S3
			Sample Date:	11/2/2004	11/2/2004	11/2/2004	11/2/2004	13-Aug-02	13-Aug-02	13-Aug-02
			Sample Depth (ft. bgs):	2-4	6-8	8-10	10-12	0-2	2-4	5-7
			Soil Type:	DRF	DRF	GD	GD	MF	IWF	GD
Total Metals (mg/kg):										
Antimony	27	--	4	3.8	ND	--	2.2	26	ND	ND
Arsenic	10	--	4.5	6.2	3.8	--	3.1	26	1.1	ND
Beryllium	2	--	ND	ND	ND	--	ND	ND	ND	ND
Cadmium	34	--	ND	ND	ND	--	ND	4.4	ND	ND
Chromium (hexavalent)	100	--	--	--	--	--	--	--	ND	ND
Chromium	NE	--	8.7	25	8.8	--	ND	ND	--	--
Copper	1,400	--	52	42	26	--	53	10000	8.3	ND
Lead	400	--	380	260	200	--	93	77	3.6	ND
Mercury	20	--	ND	0.81	ND	--	ND	ND	ND	ND
Nickel	1,400	--	10	10	7.3	--	11	65	13	ND
Selenium	340	--	ND	3.4	ND	--	61	420	ND	ND
Silver	340	--	ND	ND	ND	--	ND	ND	ND	ND
Thallium	5.4	--	ND	82	7.6	--	ND	ND	ND	ND
Zinc	20,000	--	440	190	160	--	88	620	110	ND
SPLP Metals (mg/l):										
Antimony	--	0.006	0.0068	ND	ND	--	--	ND	--	--
Arsenic	--	0.05	ND	ND	ND	--	--	ND	--	--
Beryllium	--	0.004	ND	ND	ND	--	--	ND	--	--
Cadmium	--	0.005	ND	ND	ND	--	--	ND	--	--
Chromium	--	0.05	ND	ND	ND	--	--	ND	--	--
Copper	--	1.3	ND	ND	ND	--	--	0.12	--	--
Lead	--	0.015	0.049	ND	ND	--	--	0.089	--	--
Mercury	--	0.002	ND	ND	ND	--	--	ND	--	--
Nickel	--	0.1	ND	ND	ND	--	--	ND	--	--
Selenium	--	0.05	ND	ND	ND	--	--	ND	--	--
Silver	--	0.036	ND	ND	ND	--	--	ND	--	--
Thallium	--	0.005	ND	ND	ND	--	--	ND	--	--
Zinc	--	5	0.4	0.21	0.29	--	--	0.3	--	--
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	ND	ND	--	--

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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- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA116-S1A RF-HA116-S1B RF-HA116-S2 RF-HA116-S3A RF-HA116-S3B RF-HA124-S1 RF-HA124-S2										
	Residential	GA/GAA	Sample Date:	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	23-Aug-02	23-Aug-02
	Direct	Pollutant	Sample Depth (ft. bgs):	0.3-1	1-2	2-4	5-5.8	5.8-7	4-6	6-7.9	
	Exposure	Mobility	Soil Type:	EF	IWF	IWF	IWF	GD	IWF	IWF	
	Criteria	Criteria	Sample Type:								
Volatile Organic Compounds (ug/kg):											
1,2,4-Trimethylbenzene	500,000	7,000		ND	ND	ND	ND	--	--	--	
1,3,5-Trimethylbenzene	500,000	7,000		ND	ND	ND	ND	--	--	--	
1,4-Dichlorobenzene	26,000	1,500		ND	ND	ND	ND	--	--	--	
Ethylbenzene	500,000	10,100		ND	ND	ND	ND	--	--	--	
Isopropylbenzene	500,000	600		ND	ND	ND	ND	--	--	--	
m+p Xylenes	500,000	19,500		ND	ND	ND	ND	--	--	--	
Methylene Chloride	82,000	100		ND	ND	ND	ND	--	--	--	
Naphthalene	1,000,000	5,600		ND	ND	ND	ND	--	--	--	
n-Propylbenzene	500,000	2,000		ND	ND	ND	ND	--	--	--	
o-Xylene	500,000	20,000		ND	ND	ND	ND	--	--	--	
Toluene	500,000	20,000		ND	ND	ND	ND	--	--	--	
Semi-Volatile Organic Compounds (ug/kg):											
1,2,4-Trichlorobenzene	680,000	1,400		ND	ND	ND	ND	--	300	ND	
1,3-Dichlorobenzene	500,000	12,000		ND	ND	ND	ND	--	ND	ND	
2-Methyl Naphthalene	474,000	980		ND	ND	ND	ND	--	ND	ND	
3,3-Dichlorobenzidine	1,400	330		ND	ND	ND	ND	--	ND	ND	
3+4 Methyl Phenol	340,000	1,000		ND	ND	ND	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		330	520	ND	ND	--	ND	ND	
Benzo[a]anthracene	1,000	1,000		ND	ND	ND	ND	--	ND	ND	
Benzo[a]pyrene	1,000	1,000		ND	310	ND	ND	--	ND	ND	
Benzo[b]fluoranthene	1,000	1,000		ND	ND	ND	ND	--	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		400	800	ND	ND	--	ND	ND	
Benzoic Acid	1,000,000	1,000,000		ND	ND	ND	ND	--	ND	ND	
bis(2-Ethylhexyl)phthalate	44,000	1,000		260	530	ND	ND	--	ND	ND	
Carbazole	31,000	1,000		ND	ND	ND	ND	--	ND	ND	
Chrysene	84,000	1,000		200	410	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	ND	
Di-n-butylphthalate	1,000,000	14,000		ND	ND	ND	ND	--	ND	ND	
Fluoranthene	1,000,000	5,600		ND	ND	ND	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		270	330	ND	ND	--	ND	ND	
Naphthalene	1,000,000	5,600		ND	ND	ND	ND	--	ND	ND	
n-Nitroso-dimethylamine	NE	NE		ND	ND	ND	ND	--	ND	ND	
n-Nitrosodiphenylamine	130,000	1,000		ND	ND	ND	ND	--	ND	ND	
Phenanthrene	1,000,000	4,000		ND	ND	ND	ND	--	ND	ND	
Pyrene	1,000,000	4,000		520	760	ND	ND	--	ND	ND	
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500		74	440	210	130	--	ND	ND	
Pesticides (ug/kg)											
4,4-DDD	2,600	NE		ND	ND	ND	ND	--	--	--	
4,4-DDE	1,800	NE		ND	ND	ND	ND	--	--	--	
4,4-DDT	1,800	NE		310	ND	ND	ND	--	--	--	
4,4-Methoxychlor	340,000	NE		180	ND	ND	ND	--	--	--	
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005		ND	ND	ND	ND	ND	ND	ND	

TABLE IV
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA116-S1A	RF-HA116-S1B	RF-HA116-S2	RF-HA116-S3A	RF-HA116-S3B	RF-HA124-S1	RF-HA124-S2
			Sample Date:	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	23-Aug-02	23-Aug-02
			Sample Depth (ft. bgs):	0.3-1	1-2	2-4	5-5.8	5.8-7	4-6	6-7.9
			Soil Type:	EF	IWF	IWF	IWF	GD	IWF	IWF
			Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	46	17	ND	ND	6	
Arsenic	10	--	20	56	59	23	ND	88	28	
Beryllium	2	--	85	1400	ND	ND	ND	ND	ND	
Cadmium	34	--	ND	2.9	ND	ND	ND	ND	ND	
Chromium (hexavalent)	100	--	--	--	ND	ND	ND	ND	ND	
Chromium	NE	--	ND	ND	140	61	--	--	--	
Copper	1,400	--	ND	ND	1100	520	6	29	300	
Lead	400	--	96	88	2100	1200	3.8	25	48	
Mercury	20	--	ND	ND	2.7	3.2	ND	ND	1.6	
Nickel	1,400	--	45	780	460	590	4	19	41	
Selenium	340	--	120	880	6.7	6.5	ND	2.7	3	
Silver	340	--	26	31	ND	ND	ND	ND	ND	
Thallium	5.4	--	ND	140	ND	ND	ND	ND	ND	
Zinc	20,000	--	9.5	150	1300	680	8.5	480	220	
SPLP Metals (mg/l):										
Antimony	--	0.006	--	--	--	--	--	--	--	--
Arsenic	--	0.05	--	--	--	--	--	ND	--	--
Beryllium	--	0.004	--	--	--	--	--	--	--	--
Cadmium	--	0.005	--	--	--	--	--	--	--	--
Chromium	--	0.05	--	--	--	--	--	--	--	--
Copper	--	1.3	--	--	--	--	--	--	--	--
Lead	--	0.015	--	--	--	--	--	--	--	--
Mercury	--	0.002	--	--	--	--	--	--	--	--
Nickel	--	0.1	--	--	--	--	--	--	--	--
Selenium	--	0.05	--	--	--	--	--	--	--	--
Silver	--	0.036	--	--	--	--	--	--	--	--
Thallium	--	0.005	--	--	--	--	--	--	--	--
Zinc	--	5	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg):	1,400	NE	ND	ND	ND	ND	--	ND	ND	

Notes:

- This table includes only those compounds which were detected.
- RSR criteria means Remedial Standard Regulation criteria established by the CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA206 S1	RF-HA206 S2	RF-HA206 S4	RF-HA206 S5	RF-HA209-MW S1	RF-HA209-MW S2	RF-HA209-MW S3
			Sample Date:	11/2/2004	11/2/2004	11/2/2004	11/2/2004	11/9/2004	11/9/2004	11/9/2004
			Sample Depth (ft. bgs):	0-2	2.5-4	6-8	9-10	0-1.7	2-4	4-6
			Soil Type:	EF	DRF	DRF	AD	EF	IWF	IWF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	26,000	1,500	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	500,000	10,100	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	500,000	600	ND	ND	ND	ND	ND	ND	ND	ND
m+p Xylenes	500,000	19,500	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	82,000	100	ND	54	ND	95	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	500,000	2,000	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	500,000	20,000	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	500,000	20,000	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	ND	ND	ND	ND	ND
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	ND	ND
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	2500	6100	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	40,000	1500	3000	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	7100	8400	510	ND	ND	420	ND	ND
Benzo[a]pyrene	1,000	1,000	7600	11000	660	ND	ND	670	ND	ND
Benzo[b]fluoranthene	1,000	1,000	12000	26000	1100	ND	ND	1600	ND	ND
Benzo[g,h,i]perylene	1,000,000	4,200	3300	5600	ND	ND	ND	960	ND	ND
Benzo[k]fluoranthene	8,400	1,000	3400	6200	ND	ND	ND	490	ND	ND
Benzoic Acid	1,000,000	1,000,000	ND	ND	ND	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	640	2400	ND	ND	ND	ND	ND	ND
Chrysene	84,000	1,000	7300	11000	590	ND	ND	610	ND	ND
Dibenz[a,h]anthracene	1,000	1,000	350	1700	ND	ND	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	13000	17000	930	ND	ND	730	ND	ND
Fluorene	1,000,000	5,600	ND	610	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	5000	7700	520	ND	ND	800	ND	ND
Naphthalene	1,000,000	5,600	ND	420	ND	ND	ND	ND	ND	ND
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	3500	7600	ND	ND	ND	800	ND	ND
Pyrene	1,000,000	4,000	11000	14000	810	ND	ND	720	ND	ND
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	110	1100	190	ND	ND	1100	ND	ND
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	--	--	--	--	--	--	--	--
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--
4,4-DDT	1,800	NE	--	--	--	--	--	--	--	--
4,4-Methoxychlor	340,000	NE	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	--	--	--	--	--	--

TABLE IV
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 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA206 S1	RF-HA206 S2	RF-HA206 S4	RF-HA206 S5	RF-HA209-MW S1	RF-HA209-MW S2	RF-HA209-MW S3
			Sample Date:	11/2/2004	11/2/2004	11/2/2004	11/2/2004	11/9/2004	11/9/2004	11/9/2004
			Sample Depth (ft. bgs):	0-2	2.5-4	6-8	9-10	0-1.7	2-4	4-6
			Soil Type:	EF	DRF	DRF	AD	EF	IWF	IWF
Sample Type:										
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	10	ND	ND	ND	130	5.4
Arsenic	10	--	1.9	2.8	8.4	ND	37	11	19	
Beryllium	2	--	ND	ND	ND	ND	ND	ND	ND	
Cadmium	34	--	ND	ND	ND	ND	ND	ND	ND	
Chromium (hexavalent)	100	--	--	--	--	--	--	--	--	
Chromium	NE	--	7.2	7.3	8.6	21	21	8.1	8.2	
Copper	1,400	--	17	30	270	9.1	30	8700	120	
Lead	400	--	19	160	1000	20	140	510	110	
Mercury	20	--	0.45	ND	ND	0.53	ND	55	0.67	
Nickel	1,400	--	6	5.3	7.5	8.4	6.9	28	31	
Selenium	340	--	ND	ND	ND	ND	ND	6.3	2.7	
Silver	340	--	ND	ND	ND	ND	ND	ND	ND	
Thallium	5.4	--	ND	ND	ND	ND	ND	ND	ND	
Zinc	20,000	--	29	97	220	29	49	650	400	
SPLP Metals (mg/l):										
Antimony	--	0.006	ND	ND	ND	ND	ND	0.037	ND	
Arsenic	--	0.05	ND	ND	ND	ND	0.011	ND	ND	
Beryllium	--	0.004	ND	ND	ND	ND	ND	ND	ND	
Cadmium	--	0.005	ND	ND	ND	ND	ND	ND	ND	
Chromium	--	0.05	ND	ND	ND	ND	ND	ND	ND	
Copper	--	1.3	ND	ND	ND	ND	ND	4.1	ND	
Lead	--	0.015	0.018	0.055	0.019	ND	0.019	0.052	ND	
Mercury	--	0.002	ND	ND	ND	ND	ND	ND	ND	
Nickel	--	0.1	ND	ND	ND	ND	ND	ND	0.097	
Selenium	--	0.05	ND	ND	ND	ND	ND	ND	ND	
Silver	--	0.036	ND	ND	ND	ND	ND	ND	ND	
Thallium	--	0.005	ND	ND	ND	ND	ND	ND	ND	
Zinc	--	5	0.36	0.31	0.27	0.68	0.46	4.1	2.1	
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	--	--	--	

Notes:

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 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA209-MW S4 RF-HA209-MW S6 RF-HA209-MW S7 RF-HA121-S1 RF-HA121-S2 RF-HA121-S3 RF-HA113-S1									
	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:	11/9/2004	11/9/2004	11/9/2004	23-Aug-02	23-Aug-02	23-Aug-02	14-Aug-02
			Sample Depth (ft. bgs):	6-8	10-11.6	12-14	4-6	6-8	8-10	1-2
			Soil Type:	IWF	IWF/AD	AD	IWF	MF	AD	IWF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	ND	--	--	--	ND	
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	ND	--	--	--	ND	
1,4-Dichlorobenzene	26,000	1,500	ND	ND	ND	--	--	--	ND	
Ethylbenzene	500,000	10,100	ND	ND	ND	--	--	--	ND	
Isopropylbenzene	500,000	600	ND	ND	ND	--	--	--	ND	
m+p Xylenes	500,000	19,500	ND	ND	ND	--	--	--	ND	
Methylene Chloride	82,000	100	ND	ND	ND	--	--	--	ND	
Naphthalene	1,000,000	5,600	ND	ND	ND	--	--	--	ND	
n-Propylbenzene	500,000	2,000	ND	ND	ND	--	--	--	ND	
o-Xylene	500,000	20,000	ND	ND	ND	--	--	--	ND	
Toluene	500,000	20,000	13	ND	ND	--	--	--	ND	
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	ND	ND	--	ND	
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	ND	ND	--	ND	
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	--	ND	
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	ND	ND	--	ND	
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	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	ND	ND	ND	ND	ND	--	ND	
Benzo[a]anthracene	1,000	1,000	ND	ND	ND	ND	ND	--	ND	
Benzo[a]pyrene	1,000	1,000	ND	ND	ND	ND	380	--	ND	
Benzo[b]fluoranthene	1,000	1,000	ND	ND	ND	ND	320	--	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	
Benzoic Acid	1,000,000	1,000,000	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	ND	ND	ND	ND	--	ND	
Chrysene	84,000	1,000	ND	ND	ND	ND	260	--	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-butylphthalate	1,000,000	14,000	ND	ND	ND	ND	ND	--	ND	
Fluoranthene	1,000,000	5,600	ND	ND	ND	ND	350	--	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	
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	ND	ND	--	ND	
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	ND	ND	--	ND	
Phenanthrene	1,000,000	4,000	ND	ND	ND	ND	210	--	ND	
Pyrene	1,000,000	4,000	ND	ND	ND	ND	420	--	ND	
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	ND	ND	ND	680	9500	ND	ND	
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	--	--	--	--	--	--	ND	
4,4-DDE	1,800	NE	--	--	--	--	--	--	ND	
4,4-DDT	1,800	NE	--	--	--	--	--	--	ND	
4,4-Methoxychlor	340,000	NE	--	--	--	--	--	--	ND	
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	--	ND	ND	--	ND	

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HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA209-MW S4	RF-HA209-MW S6	RF-HA209-MW S7	RF-HA121-S1	RF-HA121-S2	RF-HA121-S3	RF-HA113-S1
			Sample Date:	11/9/2004	11/9/2004	11/9/2004	23-Aug-02	23-Aug-02	23-Aug-02	14-Aug-02
			Sample Depth (ft. bgs):	6-8	10-11.6	12-14	4-6	6-8	8-10	1-2
			Soil Type:	IWF	IWF/AD	AD	IWF	MF	AD	IWF
Sample Type:										
Total Metals (mg/kg):										
Antimony	27	--	ND	ND	ND	23	26	ND	ND	ND
Arsenic	10	--	51	8.5	ND	42	8.4	ND	38	ND
Beryllium	2	--	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	34	--	ND	ND	ND	ND	ND	ND	ND	ND
Chromium (hexavalent)	100	--	--	--	--	16	16	--	--	--
Chromium	NE	--	8.2	22	5.6	--	--	8	8.2	8.2
Copper	1,400	--	47	30	5.9	1400	9700	4.4	11	11
Lead	400	--	19	22	3.8	2100	1100	5.2	25	25
Mercury	20	--	0.34	0.55	ND	0.9	2.1	ND	ND	ND
Nickel	1,400	--	49	28	3.3	400	300	ND	5.1	5.1
Selenium	340	--	3.1	ND	ND	5.3	2.8	ND	ND	ND
Silver	340	--	ND	ND	ND	2.6	2.5	ND	ND	ND
Thallium	5.4	--	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	20,000	--	370	100	12	2400	2700	5.3	15	15
SPLP Metals (mg/l):										
Antimony	--	0.006	0.0086	ND	ND	--	--	--	--	--
Arsenic	--	0.05	ND	ND	ND	ND	--	--	--	--
Beryllium	--	0.004	ND	ND	ND	--	--	--	--	--
Cadmium	--	0.005	ND	ND	ND	--	--	--	--	--
Chromium	--	0.05	ND	ND	ND	--	--	--	--	--
Copper	--	1.3	ND	ND	ND	--	--	--	--	--
Lead	--	0.015	ND	ND	ND	--	--	--	--	--
Mercury	--	0.002	ND	ND	ND	--	--	--	--	--
Nickel	--	0.1	0.053	ND	ND	0.28	--	--	--	--
Selenium	--	0.05	ND	ND	ND	ND	--	--	--	--
Silver	--	0.036	ND	ND	ND	--	--	--	--	--
Thallium	--	0.005	ND	ND	ND	--	--	--	--	--
Zinc	--	5	1.1	1.1	0.33	--	--	--	--	--
Total Cyanide (mg/kg):	1,400	NE	--	--	--	ND	ND	--	ND	ND

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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
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HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA113-S2	RF-HA113-S2A	RF-HA113-S3	RF-HA113-S4	RF-HA212-MW S1	RF-HA212-MW S2	RF-HA212-MW S4
			Sample Date:	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	11/2/2004	11/2/2004	11/2/2004
			Sample Depth (ft. bgs):	2-3.5	3.5-4	5-6.5	7-9	0-2	2-4	6.4-8
			Soil Type:	IWF	IWF	IWF	GD	EF	DRF	MF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	ND	--	ND	ND	ND	ND
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	ND	--	ND	ND	ND	ND
1,4-Dichlorobenzene	26,000	1,500	ND	ND	ND	--	ND	ND	ND	ND
Ethylbenzene	500,000	10,100	ND	ND	ND	--	ND	ND	ND	ND
Isopropylbenzene	500,000	600	ND	ND	ND	--	ND	ND	ND	ND
m+p Xylenes	500,000	19,500	ND	ND	ND	--	ND	ND	ND	ND
Methylene Chloride	82,000	100	ND	ND	ND	--	35	55	ND	ND
Naphthalene	1,000,000	5,600	12	ND	ND	--	ND	6.7	ND	ND
n-Propylbenzene	500,000	2,000	ND	ND	ND	--	ND	ND	ND	ND
o-Xylene	500,000	20,000	ND	ND	ND	--	ND	ND	ND	ND
Toluene	500,000	20,000	ND	ND	ND	--	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	--	--	--	--	--
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	--	--	--	--	--
2-Methyl Naphthalene	474,000	980	ND	ND	ND	--	--	--	--	--
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	--	--	--	--	--
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	--	--	--	--	--
Acenaphthene	1,000,000	8,400	5000	250	ND	--	--	--	--	--
Acenaphthylene	1,000,000	8,400	35000	ND	ND	--	--	--	--	--
Anthracene	1,000,000	40,000	58000	750	400	--	--	--	--	--
Benzo[a]anthracene	1,000	1,000	95000	1600	680	--	--	--	--	--
Benzo[a]pyrene	1,000	1,000	110000	1600	690	--	--	--	--	--
Benzo[b]fluoranthene	1,000	1,000	160000	2100	1400	--	--	--	--	--
Benzo[g,h,i]perylene	1,000,000	4,200	31000	1000	600	--	--	--	--	--
Benzo[k]fluoranthene	8,400	1,000	76000	840	480	--	--	--	--	--
Benzoic Acid	1,000,000	1,000,000	ND	ND	ND	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	--	--	--	--	--
Carbazole	31,000	1,000	36000	660	ND	--	--	--	--	--
Chrysene	84,000	1,000	86000	1800	1000	--	--	--	--	--
Dibenzo[a,h]anthracene	1,000	1,000	9200	270	220	--	--	--	--	--
Dibenzofuran	270,000	1,000	ND	ND	ND	--	--	--	--	--
Di-n-butylphthalate	1,000,000	14,000	ND	ND	1600	--	--	--	--	--
Fluoranthene	1,000,000	5,600	240000	3900	1600	--	--	--	--	--
Fluorene	1,000,000	5,600	18000	280	ND	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	1,000	1,000	39000	1100	680	--	--	--	--	--
Naphthalene	1,000,000	5,600	5900	520	1500	--	--	--	--	--
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	--	--	--	--	--
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	--	--	--	--	--
Phenanthrene	1,000,000	4,000	290000	3800	2000	--	--	--	--	--
Pyrene	1,000,000	4,000	190000	3300	1100	--	--	--	--	--
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	3700	290	370	--	--	--	--	--
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	ND	ND	ND	--	--	--	--	--
4,4-DDE	1,800	NE	ND	ND	ND	--	--	--	--	--
4,4-DDT	1,800	NE	ND	ND	ND	--	--	--	--	--
4,4-Methoxychlor	340,000	NE	ND	ND	ND	--	--	--	--	--
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	ND	ND	ND	--	--	--	--	--

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential		Sample ID:	RF-HA113-S2	RF-HA113-S2A	RF-HA113-S3	RF-HA113-S4	RF-HA212-MW S1	RF-HA212-MW S2	RF-HA212-MW S4
	Direct	GA/GAA	Sample Date:	14-Aug-02	14-Aug-02	14-Aug-02	14-Aug-02	11/2/2004	11/2/2004	11/2/2004
	Exposure	Pollutant	Sample Depth (ft. bgs):	2-3.5	3.5-4	5-6.5	7-9	0-2	2-4	6.4-8
	Criteria	Mobility	Soil Type:	IWF	IWF	IWF	GD	EF	DRF	MF
	Criteria	Criteria	Sample Type:							
Total Metals (mg/kg):										
Antimony	27	--	3.3	170	4.6	ND	--	--	--	--
Arsenic	10	--	6.9	28	32	ND	--	--	--	--
Beryllium	2	--	ND	ND	ND	ND	--	--	--	--
Cadmium	34	--	ND	ND	ND	ND	--	--	--	--
Chromium (hexavalent)	100	--	--	--	--	ND	--	--	--	--
Chromium	NE	--	30	42	11	--	--	--	--	--
Copper	1,400	--	92	730	630	7.1	--	--	--	--
Lead	400	--	480	760	170	3.7	--	--	--	--
Mercury	20	--	2.5	2.7	2.1	ND	--	--	--	--
Nickel	1,400	--	76	74	36	4.8	--	--	--	--
Selenium	340	--	ND	2.6	ND	ND	--	--	--	--
Silver	340	--	ND	ND	ND	ND	--	--	--	--
Thallium	5.4	--	ND	ND	ND	ND	--	--	--	--
Zinc	20,000	--	590	390	1000	18	--	--	--	--
SPLP Metals (mg/l):										
Antimony	--	0.006	--	--	--	--	--	--	--	--
Arsenic	--	0.05	--	--	--	--	--	--	--	--
Beryllium	--	0.004	--	--	--	--	--	--	--	--
Cadmium	--	0.005	--	--	--	--	--	--	--	--
Chromium	--	0.05	--	--	--	--	--	--	--	--
Copper	--	1.3	--	--	--	--	--	--	--	--
Lead	--	0.015	--	--	--	--	--	--	--	--
Mercury	--	0.002	--	--	--	--	--	--	--	--
Nickel	--	0.1	--	--	--	--	--	--	--	--
Selenium	--	0.05	--	--	--	--	--	--	--	--
Silver	--	0.036	--	--	--	--	--	--	--	--
Thallium	--	0.005	--	--	--	--	--	--	--	--
Zinc	--	5	--	--	--	--	--	--	--	--
Total Cyanide (mg/kg):	1,400	NE	ND	ND	ND	--	--	--	--	--

Notes:

- This table includes only those compounds which were detected.
- RSR criteria means Remedial Standard Regulation criteria established by the CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
SUMMARY OF ANALYTICAL RESULTS FOR SOIL
ROCHFORD FIELD PHASE II & III INVESTIGATIONS
HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA212-MW S5	RF-HA212-MW S6	RF-HA119-S1	RF-HA119-S2	RF-HA119-S2A	RF-HA110-MW-S1	RF-HA110-MW-S2
			Sample Date:	11/2/2004	11/2/2004	23-Aug-02	23-Aug-02	23-Aug-02	13-Aug-02	13-Aug-02
			Sample Depth (ft. bgs):	8-10	10-12	4-6	6-7.9	6-7.9	0-2	2-4
			Soil Type:	GD	GD	IWF	IWF	IWF	EF	IWF
			Sample Type:							
Volatile Organic Compounds (ug/kg):										
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	--	--	--	--	ND	ND
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	--	--	--	--	ND	ND
1,4-Dichlorobenzene	26,000	1,500	ND	ND	--	--	--	--	ND	ND
Ethylbenzene	500,000	10,100	ND	ND	--	--	--	--	ND	ND
Isopropylbenzene	500,000	600	ND	ND	--	--	--	--	ND	ND
m+p Xylenes	500,000	19,500	ND	ND	--	--	--	--	ND	ND
Methylene Chloride	82,000	100	ND	ND	--	--	--	--	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	--	--	--	--	ND	ND
n-Propylbenzene	500,000	2,000	ND	ND	--	--	--	--	ND	ND
o-Xylene	500,000	20,000	ND	ND	--	--	--	--	ND	ND
Toluene	500,000	20,000	ND	ND	--	--	--	--	ND	ND
Semi-Volatile Organic Compounds (ug/kg):										
1,2,4-Trichlorobenzene	680,000	1,400	--	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	500,000	12,000	--	ND	ND	ND	ND	ND	ND	ND
2-Methyl Naphthalene	474,000	980	--	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	--	ND	ND	ND	ND	ND	ND	ND
3+4 Methyl Phenol	340,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	1,000,000	8,400	--	ND	ND	ND	6200	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	21000	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	--	ND	ND	ND	35000	430	ND	340
Benzo[a]pyrene	1,000	1,000	--	ND	ND	ND	46000	410	ND	660
Benzo[b]fluoranthene	1,000	1,000	--	ND	ND	ND	62000	450	ND	2100
Benzo[g,h,i]perylene	1,000,000	4,200	--	ND	ND	ND	8700	ND	ND	380
Benzo[k]fluoranthene	8,400	1,000	--	ND	ND	ND	20000	220	ND	1200
Benzoic Acid	1,000,000	1,000,000	--	ND	ND	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	ND	ND	26000	ND	ND	ND
Chrysene	84,000	1,000	--	ND	ND	ND	31000	400	ND	710
Dibenzo[a,h]anthracene	1,000	1,000	--	ND	ND	ND	6000	ND	ND	ND
Dibenzofuran	270,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	1,000,000	14,000	--	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	--	420	ND	ND	100000	900	ND	420
Fluorene	1,000,000	5,600	--	ND	ND	ND	8600	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	--	ND	ND	ND	13000	ND	ND	450
Naphthalene	1,000,000	5,600	--	ND	ND	ND	660	ND	ND	ND
n-Nitroso-dimethylamine	NE	NE	--	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	130,000	1,000	--	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	--	ND	ND	ND	93000	950	ND	320
Pyrene	1,000,000	4,000	--	ND	ND	ND	77000	670	ND	370
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	--	ND		2600	2800	88	ND	4200
Pesticides (ug/kg)										
4,4-DDD	2,600	NE	--	--	--	--	--	--	ND	ND
4,4-DDE	1,800	NE	--	--	--	--	--	--	79	ND
4,4-DDT	1,800	NE	--	--	--	--	--	--	ND	ND
4,4-Methoxychlor	340,000	NE	--	--	--	--	--	--	ND	ND
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	ND	ND	ND	ND	ND	ND

TABLE IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Sample ID: RF-HA212-MW S5 RF-HA212-MW S6 RF-HA119-S1 RF-HA119-S2 RF-HA119-S2A RF-HA110-MW-S1 RF-HA110-MW-S2												
	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample Date:		Sample Depth (ft. bgs):		Soil Type:		Sample Type:				
			11/2/2004	11/2/2004	8-10	10-12	GD	GD	IWF	IWF	IWF	EF	IWF
			23-Aug-02	23-Aug-02	6-7.9	6-7.9	23-Aug-02	13-Aug-02	13-Aug-02				
Total Metals (mg/kg):													
Antimony	27	--	--	ND	140	4.6	ND	ND	ND	2.5			
Arsenic	10	--	--	ND	21	4.7	ND	13	31	1.6			
Beryllium	2	--	--	ND	ND	ND	ND	ND	ND	2.7			
Cadmium	34	--	--	ND	ND	ND	ND	ND	ND	--			
Chromium (hexavalent)	100	--	--	--	8.4	ND	ND	--	--	--			
Chromium	NE	--	--	4.1	--	--	--	ND	ND	ND			
Copper	1,400	--	--	ND	2600	580	36	33	270	50			
Lead	400	--	--	ND	1000	400	26	91	50	ND			
Mercury	20	--	--	ND	14	ND	ND	ND	ND	ND			
Nickel	1,400	--	--	ND	340	29	8.1	8.5	15	71			
Selenium	340	--	--	ND	2	5.2	ND	54	ND	ND			
Silver	340	--	--	ND	ND	ND	ND	ND	ND	ND			
Thallium	5.4	--	--	ND	ND	ND	ND	ND	ND	ND			
Zinc	20,000	--	--	5.6	3800	4700	290	45	75				
SPLP Metals (mg/l):													
Antimony	--	0.006	--	ND	0.0095	--	--	--	--	--			
Arsenic	--	0.05	--	ND	--	--	--	--	--	--			
Beryllium	--	0.004	--	ND	--	--	--	--	--	--			
Cadmium	--	0.005	--	ND	--	--	--	--	--	--			
Chromium	--	0.05	--	ND	--	--	--	--	--	--			
Copper	--	1.3	--	ND	--	--	--	--	--	--			
Lead	--	0.015	--	ND	4.7	--	--	--	--	--			
Mercury	--	0.002	--	ND	--	--	--	--	--	--			
Nickel	--	0.1	--	ND	--	--	--	--	--	--			
Selenium	--	0.05	--	ND	--	--	--	--	--	--			
Silver	--	0.036	--	ND	--	--	--	--	--	--			
Thallium	--	0.005	--	ND	--	--	--	--	--	--			
Zinc	--	5	--	0.19	81	--	--	--	--	--			
Total Cyanide (mg/kg):	1,400	NE	--	--	ND	ND	ND	ND	ND	ND			

Notes:

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- * Indicates GAPMC does not apply; sample collected within groundwater table.
- The above 'Soil Type' was described by Haley & Aldrich, Inc. as the following:
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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 broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag, with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
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 IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA110-MW-S3	RF-HA110-MW-S4	RF-HA118-S1	RF-HA118-S2	RF-HA118-S2A	RF-HA118-S3	RF-HA118-S4A	
			Sample Date:	13-Aug-02	13-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02
			Sample Depth (ft. bgs):	5-7	7-9	0-0.8	2-3.8	3.8-4	5-7	7-8.9	
			Soil Type:	MF	GD	EF	IWF	MF	MF	MF	
			Sample Type:								
Volatile Organic Compounds (ug/kg):											
1,2,4-Trimethylbenzene	500,000	7,000		ND	--	--	--	--	--	--	
1,3,5-Trimethylbenzene	500,000	7,000		ND	--	--	--	--	--	--	
1,4-Dichlorobenzene	26,000	1,500		ND	--	--	--	--	--	--	
Ethylbenzene	500,000	10,100		ND	--	--	--	--	--	--	
Isopropylbenzene	500,000	600		ND	--	--	--	--	--	--	
m+p Xylenes	500,000	19,500		ND	--	--	--	--	--	--	
Methylene Chloride	82,000	100		ND	--	--	--	--	--	--	
Naphthalene	1,000,000	5,600		ND	--	--	--	--	--	--	
n-Propylbenzene	500,000	2,000		ND	--	--	--	--	--	--	
o-Xylene	500,000	20,000		ND	--	--	--	--	--	--	
Toluene	500,000	20,000		ND	--	--	--	--	--	--	
Semi-Volatile Organic Compounds (ug/kg):											
1,2,4-Trichlorobenzene	680,000	1,400		ND	--	ND	ND	ND	ND	--	
1,3-Dichlorobenzene	500,000	12,000		ND	--	ND	ND	ND	ND	--	
2-Methyl Naphthalene	474,000	980		ND	--	ND	ND	ND	ND	--	
3,3-Dichlorobenzidine	1,400	330		ND	--	ND	ND	ND	ND	--	
3+4 Methyl Phenol	340,000	1,000		ND	--	ND	ND	ND	ND	--	
Acenaphthene	1,000,000	8,400		360	--	ND	ND	ND	ND	--	
Acenaphthylene	1,000,000	8,400		270	--	ND	ND	ND	ND	--	
Anthracene	1,000,000	40,000		660	--	ND	ND	ND	ND	--	
Benzo[a]anthracene	1,000	1,000		1700*	--	ND	ND	360	200	--	
Benzo[a]pyrene	1,000	1,000		2500*	--	ND	ND	300	ND	--	
Benzo[b]fluoranthene	1,000	1,000		2700*	--	ND	ND	600	320	--	
Benzo[g,h,i]perylene	1,000,000	4,200		660	--	ND	ND	ND	ND	--	
Benzo[k]fluoranthene	8,400	1,000		1700*	--	ND	ND	320	ND	--	
Benzoic Acid	1,000,000	1,000,000		ND	--	ND	ND	ND	ND	--	
bis(2-Ethylhexyl)phthalate	44,000	1,000		ND	--	ND	ND	ND	ND	--	
Carbazole	31,000	1,000		ND	--	ND	ND	ND	ND	--	
Chrysene	84,000	1,000		1600*	--	ND	ND	460	240	--	
Dibenz[a,h]anthracene	1,000	1,000		310	--	ND	ND	ND	ND	--	
Dibenzofuran	270,000	1,000		ND	--	ND	ND	ND	ND	--	
Di-n-butylphthalate	1,000,000	14,000		ND	--	ND	ND	ND	ND	--	
Fluoranthene	1,000,000	5,600		3300	--	ND	ND	220	380	--	
Fluorene	1,000,000	5,600		450	--	ND	ND	ND	ND	--	
Indeno[1,2,3-cd]pyrene	1,000	1,000		830	--	ND	ND	ND	ND	--	
Naphthalene	1,000,000	5,600		320	--	ND	250	ND	ND	--	
n-Nitroso-dimethylamine	NE	NE		ND	--	ND	ND	ND	ND	--	
n-Nitrosodiphenylamine	130,000	1,000		2500*	--	ND	ND	ND	ND	--	
Phenanthrene	1,000,000	4,000		4800*	--	ND	320	ND	220	--	
Pyrene	1,000,000	4,000		1900	--	ND	ND	300	330	--	
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500		1900*	--	ND	71	47000	490	3500	
Pesticides (ug/kg)											
4,4-DDD	2,600	NE		ND	--	54	--	--	--	--	
4,4-DDE	1,800	NE		ND	--	550	--	--	--	--	
4,4-DDT	1,800	NE		ND	--	240	--	--	--	--	
4,4-Methoxychlor	340,000	NE		ND	--	ND	--	--	--	--	
Polychlorinated Biphenyls (PCBs) (mg/kg):											
	1	0.0005		ND	--	ND	ND	ND	ND	--	

TABLE IV
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 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA110-MW-S3	RF-HA110-MW-S4	RF-HA118-S1	RF-HA118-S2	RF-HA118-S2A	RF-HA118-S3	RF-HA118-S4A	
			Sample Date:	13-Aug-02	13-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02	23-Aug-02
			Sample Depth (ft. bgs):	5-7	7-9	0-0.8	2-3.8	3.8-4	5-7	7-8.9	
			Soil Type:	MF	GD	EF	IWF	MF	MF	MF	
Sample Type:											
Total Metals (mg/kg):											
Antimony	27	--	22	ND	ND	23	54	6.9	16		
Arsenic	10	--	14	ND	38	19	6.1	31	26		
Beryllium	2	--	ND	ND	ND	ND	ND	ND	ND		
Cadmium	34	--	ND	ND	ND	ND	ND	2.7	0.51		
Chromium (hexavalent)	100	--	--	ND	ND	ND	12	8.8	--		
Chromium	NE	--	0.77	--	--	--	--	--	40		
Copper	1,400	--	1200	3.9	38	450	12000	1700	2,800		
Lead	400	--	54	3.7	140	780	3300	560	1,400		
Mercury	20	--	ND	ND	0.51	20	10	3.9	0.4		
Nickel	1,400	--	180	4.6	7.5	84	160	26	41		
Selenium	340	--	1800	ND	ND	1.1	ND	ND	ND		
Silver	340	--	ND	ND	ND	ND	ND	ND	ND		
Thallium	5.4	--	ND	ND	ND	ND	ND	ND	ND		
Zinc	20,000	--	2800	150	42	280	700	330	540		
SPLP Metals (mg/l):											
Antimony	--	0.006	--	--	--	--	0.027	--	--		
Arsenic	--	0.05	--	--	--	--	--	--	--		
Beryllium	--	0.004	--	--	--	--	--	--	--		
Cadmium	--	0.005	--	--	--	--	--	--	--		
Chromium	--	0.05	--	--	--	--	--	--	--		
Copper	--	1.3	--	--	--	--	5	--	--		
Lead	--	0.015	--	--	--	--	0.41	--	--		
Mercury	--	0.002	--	--	--	--	--	--	--		
Nickel	--	0.1	--	--	--	--	--	--	--		
Selenium	--	0.05	--	--	--	--	--	--	--		
Silver	--	0.036	--	--	--	--	--	--	--		
Thallium	--	0.005	--	--	--	--	--	--	--		
Zinc	--	5	--	--	--	--	--	--	--		
Total Cyanide (mg/kg):	1,400	NE	ND	--	ND	ND	ND	ND	ND		

Notes:

- This table includes only those compounds which were detected.
- RSR criteria means Remedial Standard Regulation criteria established by the CT DEP.
- 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.
- RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
- * Indicates GAPMC does not apply; sample collected within groundwater table.
- 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 and brick, broken glass, various broken ceramic items
IWF: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed with wood fragments, sawdust and/or wood chips, batteries, Winchester-related products, Shell casings & furnace bricks.
MF: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fi
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 IV
 SUMMARY OF ANALYTICAL RESULTS FOR SOIL
 ROCHFORD FIELD PHASE II & III INVESTIGATIONS
 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA210 S1	RF-HA210G S1	RF-HA210 S2	RF-HA210 S3	RF-HA210 S4	RF-HA211-MW S1	RF-HA211-MW S2	RF-HA211-MW S5
			Sample Date:	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/3/2004	11/3/2004	11/3/2004
			Sample Depth (ft. bgs):	0-2	0-2	2-4	4-6	6.8-8	0-2	2-4	8-10
			Soil Type:	EF	EF	IWF	IWF	GD	EF	MF	GD
			Sample Type:	DUPLICATE							
Volatile Organic Compounds (ug/kg):											
1,2,4-Trimethylbenzene	500,000	7,000	ND	ND	ND	ND	ND	ND	--	--	--
1,3,5-Trimethylbenzene	500,000	7,000	ND	ND	ND	ND	ND	ND	--	--	--
1,4-Dichlorobenzene	26,000	1,500	ND	ND	ND	ND	ND	ND	--	--	--
Ethylbenzene	500,000	10,100	ND	ND	ND	ND	ND	ND	--	--	--
Isopropylbenzene	500,000	600	ND	ND	ND	ND	ND	ND	--	--	--
m+p Xylenes	500,000	19,500	ND	ND	ND	ND	ND	ND	--	--	--
Methylene Chloride	82,000	100	ND	ND	ND	ND	ND	ND	--	--	--
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	--	--	--
n-Propylbenzene	500,000	2,000	ND	ND	ND	ND	ND	ND	--	--	--
o-Xylene	500,000	20,000	ND	ND	ND	ND	ND	ND	--	--	--
Toluene	500,000	20,000	22	ND	ND	ND	ND	ND	--	--	--
Semi-Volatile Organic Compounds (ug/kg):											
1,2,4-Trichlorobenzene	680,000	1,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	500,000	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methyl Naphthalene	474,000	980	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	1,400	330	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4 Methyl Phenol	340,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	1,000,000	8,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	1,000,000	8,400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1,000,000	40,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	1,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	1,000	1,000	ND	ND	ND	2100	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	1,000	1,000	ND	ND	ND	3800	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	1,000,000	4,200	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	8,400	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	1,000,000	1,000,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	44,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	31,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	84,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	1,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	270,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	1,000,000	14,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1,000,000	5,600	ND	ND	ND	3000	ND	ND	ND	ND	ND
Fluorene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	1,000	1,000	ND	ND	ND	2100	ND	ND	ND	ND	ND
Naphthalene	1,000,000	5,600	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitroso-dimethylamine	NE	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	130,000	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1,000,000	4,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	1,000,000	4,000	ND	ND	ND	2600	ND	ND	ND	ND	ND
Extractable Total Petroleum Hydrocarbons (mg/kg)	500	500	ND	ND	560	1600	ND	ND	ND	ND	ND
Pesticides (ug/kg)											
4,4-DDD	2,600	NE	--	--	--	--	--	--	--	--	--
4,4-DDE	1,800	NE	--	--	--	--	--	--	--	--	--
4,4-DDT	1,800	NE	--	--	--	--	--	--	--	--	--
4,4-Methoxychlor	340,000	NE	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (PCBs) (mg/kg):	1	0.0005	--	--	--	--	--	--	--	--	--

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 HAMDEN, CONNECTICUT

PARAMETER	Residential Direct Exposure Criteria	GA/GAA Pollutant Mobility Criteria	Sample ID:	RF-HA210 S1	RF-HA210G S1	RF-HA210 S2	RF-HA210 S3	RF-HA210 S4	RF-HA211-MW S1	RF-HA211-MW S2	RF-HA211-MW S5	
			Sample Date:	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/10/2004	11/3/2004	11/3/2004	11/3/2004	11/3/2004
			Sample Depth (ft. bgs):	0-2	0-2	2-4	4-6	6.8-8	0-2	2-4	8-10	
			Soil Type:	EF	EF	IWF	IWF	GD	EF	MF	GD	
			Sample Type:	DUPLICATE								
Total Metals (mg/kg):												
Antimony	27	--	ND	--	6.2	29	ND	ND	ND	ND	ND	
Arsenic	10	--	20	--	30	52	ND	17	ND	ND	ND	
Beryllium	2	--	ND	--	ND	ND	ND	ND	ND	ND	ND	
Cadmium	34	--	ND	--	ND	8.5	ND	ND	ND	ND	ND	
Chromium (hexavalent)	100	--	--	--	--	--	--	--	--	--	--	
Chromium	NE	--	18	--	20	200	15	3.5	5.2	2.7	2.7	
Copper	1,400	--	120	--	490	16000	22	53	2.7	7.3	7.3	
Lead	400	--	140	--	280	1800	16	81	4.1	ND	ND	
Mercury	20	--	ND	--	0.89	2	ND	ND	ND	ND	ND	
Nickel	1,400	--	18	--	350	2300	15	8	ND	ND	ND	
Selenium	340	--	ND	--	ND	ND	ND	ND	ND	ND	ND	
Silver	340	--	ND	--	ND	ND	ND	ND	ND	ND	ND	
Thallium	5.4	--	ND	--	ND	ND	ND	ND	ND	ND	ND	
Zinc	20,000	--	91	--	150	4100	230	23	5.5	4.5	4.5	
SPLP Metals (mg/l):												
Antimony	--	0.006	ND	--	ND	0.015	ND	ND	ND	ND	ND	
Arsenic	--	0.05	0.0082	--	0.0049	0.007	0.0054	ND	ND	ND	ND	
Beryllium	--	0.004	ND	--	ND	ND	ND	ND	ND	ND	ND	
Cadmium	--	0.005	ND	--	ND	ND	ND	ND	ND	ND	ND	
Chromium	--	0.05	ND	--	ND	ND	ND	ND	ND	ND	ND	
Copper	--	1.3	ND	--	0.13	1.7	ND	ND	ND	ND	ND	
Lead	--	0.015	ND	--	0.015	0.53	ND	ND	ND	ND	ND	
Mercury	--	0.002	ND	--	ND	ND	ND	ND	ND	ND	ND	
Nickel	--	0.1	ND	--	ND	0.34	0.056	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	
Thallium	--	0.005	ND	--	ND	ND	ND	ND	ND	ND	ND	
Zinc	--	5	0.43	--	0.39	4.7	2.1	0.22	0.16	0.17	0.17	
Total Cyanide (mg/kg):	1,400	NE	--	--	--	--	--	--	--	--	--	

Notes:

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