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TABLE 4-8
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA D - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
SURFACE SOIL													
Asbestos (%)	22	72	1	5	0.99	30	BPM A+09		0		0		0
Dioxins/Furans (µg/kg)													
1,2,3,4,6,7,8-HpCDD	2	2	0.31	0.31	0.0305	0.582	OU3-D-SS03-0001		0		0		0
1,2,3,4,6,7,8-HpCDF	2	2	1	1	0.0267	2.03	OU3-D-SS03-0001		0		0		0
1,2,3,4,7,8,9-HpCDF	2	2	0.018	0.018	0.000922	0.0355	OU3-D-SS03-0001		0		0		0
1,2,3,4,7,8-HxCDD	2	2	0.0034	0.0034	0.00301	0.00378	OU3-D-SB01-0002		0		0		0
1,2,3,4,7,8-HxCDF	2	2	0.2	0.2	0.00963	0.391	OU3-D-SS03-0001		0		0		0
1,2,3,6,7,8-HxCDD	2	2	0.009	0.009	0.00332	0.0146	OU3-D-SS03-0001		0		0		0
1,2,3,6,7,8-HxCDF	2	2	0.089	0.089	0.00321	0.174	OU3-D-SS03-0001		0		0		0
1,2,3,7,8,9-HxCDD	2	2	0.0055	0.0055	0.0016	0.0094	OU3-D-SS03-0001		0		0		0
1,2,3,7,8,9-HxCDF	1	2	0.00083	0.0015	0.00152	0.00152	OU3-D-SS03-0001		0		0		0
1,2,3,7,8-PeCDD	2	2	0.0021	0.0021	0.00049	0.00378	OU3-D-SS03-0001		0		0		0
1,2,3,7,8-PeCDF	2	2	0.065	0.065	0.00385	0.127	OU3-D-SS03-0001		0		0		0
2,3,4,6,7,8-HxCDF	2	2	0.045	0.045	0.00592	0.0836	OU3-D-SS03-0001		0		0		0
2,3,4,7,8-PeCDF	2	2	0.057	0.057	0.00649	0.107	OU3-D-SS03-0001		0		0		0
2,3,7,8-TCDD	2	2	0.0011	0.0011	0.000176	0.00206	OU3-D-SS03-0001		0		0		0
2,3,7,8-TCDF	2	2	0.044	0.044	0.00394	0.085	OU3-D-SS03-0001		0		0		0
OCDD	2	2	3.8	3.8	0.383	7.31	OU3-D-SS03-0001		0		0		0
OCDF	2	2	0.64	0.64	0.0174	1.27	OU3-D-SS03-0001		0		0		0
Total HpCDD	2	2	0.73	0.73	0.0561	1.412	OU3-D-SS03-0001		0		0		0
Total HpCDF	2	2	1.2	1.2	0.0348	2.297	OU3-D-SS03-0001		0		0		0
Total HxCDD	2	2	0.073	0.073	0.0143	0.132	OU3-D-SS03-0001		0		0		0
Total HxCDF	2	2	0.86	0.86	0.038	1.674	OU3-D-SS03-0001		0		0		0
Total PeCDD	2	2	0.0088	0.0088	0.00462	0.013	OU3-D-SS03-0001		0		0		0
Total PeCDF	2	2	0.49	0.49	0.0322	0.944	OU3-D-SS03-0001		0		0		0
Total TCDD	2	2	0.0011	0.0011	0.000176	0.00206	OU3-D-SS03-0001		0		0		0
Total TCDF	2	2	0.13	0.13	0.00722	0.248	OU3-D-SS03-0001		0		0		0
Toxicity Equivalency	2	2	0.089	0.089	0.00786636	0.169236	OU3-D-SS03-0001		0		0		0
Metals (mg/kg)													
Aluminum	8	8	10200	10200	6740	14700 J	BPMC+220	12917.58974	2		0		0
Antimony	2	5	7.3	15.4	7.9 J	22.8 J	OU3-D-SB01-0002	2.857692308	2		0	27	0
Arsenic	5	8	4.5	6.3	3.2 J	9.3	BPMC+220	5.674871795	3		0	10	0
Barium	8	8	297	297	31.3 J	1170	BPMB+50	57.46666667	7		0	4700	0
Beryllium	7	8	0.5	0.53	0.44	0.65	OU3-D-SB01-0002	0.718974359	0		0	2	0
Cadmium	6	7	3.3	3.8	0.74	10.4 J	BRE+300	0.396538462	6		0	34	0
Calcium	8	8	32900	32900	834	134000	OU3-D-SB01-0002	1597.615385	7		0		0
Chromium	8	8	725	725	25.2	3560	BPMG2	16.97179487	8		0	100	2
Cobalt	8	8	7	7	5.7	9.3	BPMB+50	6.348717949	4		0	1000	0
Copper	13	16	2140	2600	119	26000	OU3-D-SB02-0002	28.79358974	13		0	2500	1

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
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TABLE 4-8 (cont.)
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DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Iron	8	8	21300	21300	12800	33800 J	BPMB+50	16045.12821	6		0		0
Lead	68	78	684	778	49.2 J	14000	OU3-D-SB02-0002	80.76897436	64		0	500	17
Magnesium	8	8	11100	11100	2650	25100	OU3-D-SB01-0002	3251.487179	7		0		0
Manganese	8	8	1130	1130	185	3580	OU3-D-SB01-0002	306.3948718	6		0	1600	2
Mercury	5	8	0.29	0.42	0.15 J	1.1 J	BPMB+50	0.110512821	5		0	20	0
Nickel	8	8	114	114	21.2	417	BPMG2	12.51666667	8		0	1400	0
Potassium	8	8	1360	1360	553 J	2310 J	OU3-D-SB01-0002	961.1371795	5		0		0
Selenium	5	8	2.1	2.7	1 J	6.6 J	OU3-D-SB01-0002	0.498846154	5		0	340	0
Silver	7	8	2.7	3.1	0.73	10.5	BPMB+50	0.507820513	7		0	340	0
Sodium	5	7	814	1100	264	1690 J	BPMG2	76.42820513	5		0		0
Thallium	1	7	0.98	2.8	2.8 J	2.8 J	BPMG2	0.367820513	1		0	5.4	0
Vanadium	7	8	47.3	52.5	26.7 J	110 J	BPMG2	34.21153846	5		0	470	0
Zinc	8	8	292	292	93.4 J	554 J	BRE+300	112.3230769	6		0	20000	0
SPLP Metals (µg/l)													
Aluminum	2	2	27800	27800	2710	52800 J	OU3-D-SB03-0002		0		0		0
Antimony	0	2	2.5	0	0	0	None		0	60	0		0
Arsenic	1	2	18.5	33.5	33.5	33.5	OU3-D-SB03-0002		0	500	0		0
Barium	2	2	1410	1410	10.2	2800 J	OU3-D-SB03-0002		0	10000	0		0
Beryllium	1	2	2.5	4.4	4.4	4.4	OU3-D-SB03-0002		0	40	0		0
Cadmium	1	2	7.3	14.1	14.1	14.1	OU3-D-SB03-0002		0	50	0		0
Calcium	2	2	144000	144000	55500	233000 J	OU3-D-SB03-0002		0		0		0
Chromium	2	2	126	126	95.1	157 J	OU3-D-SB03-0002		0	500	0		0
Cobalt	1	2	29.1	57.1	57.1 J	57.1 J	OU3-D-SB03-0002		0		0		0
Copper	2	2	12500	12500	8.8	25000 J	OU3-D-SB03-0002		0	13000	1		0
Iron	1	2	24900	49700	49700 J	49700 J	OU3-D-SB03-0002		0		0		0
Lead	1	2	8050	16100	16100 J	16100 J	OU3-D-SB03-0002		0	150	1		0
Magnesium	2	2	20200	20200	59	40300	OU3-D-SB03-0002		0		0		0
Manganese	1	2	1970	3930	3930 J	3930 J	OU3-D-SB03-0002		0		0		0
Mercury	0	2	0.1	0	0	0	None		0	20	0		0
Nickel	1	2	81.8	163	163 J	163 J	OU3-D-SB03-0002		0	1000	0		0
Potassium	2	2	6680	6680	1070	12300 J	OU3-D-SB03-0002		0		0		0
Selenium	1	2	7.3	12.1	12.1	12.1	OU3-D-SB01-0002		0	500	0		0
Silver	0	2	1	0	0	0	None		0	360	0		0
Sodium	2	2	18900	18900	530	37300	OU3-D-SB03-0002		0		0		0
Thallium	0	2	3	0	0	0	None		0	50	0		0
Vanadium	2	2	93.6	93.6	31.2	156	OU3-D-SB03-0002		0	500	0		0
Zinc	1	2	1940	3880	3880	3880	OU3-D-SB03-0002		0	50000	0		0
Semivolatile Organic Compounds (µg/kg)													
1,2,4-Trichlorobenzene	0	3	260	0	0	0	None		0	14000	0	680000	0
1,2-Dichlorobenzene	0	3	260	0	0	0	None		0	3100	0	500000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
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TABLE 4-8 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA D - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
1,3-Dichlorobenzene	0	3	260	0	0	0	None		0		0		0
1,4-Dichlorobenzene	0	3	260	0	0	0	None		0	15000	0	26000	0
2,2'-oxybis(1-Chloropropane)	0	3	260	0	0	0	None		0		0		0
2,4,5-Trichlorophenol	0	2	760	0	0	0	None		0		0		0
2,4,6-Trichlorophenol	0	2	300	0	0	0	None		0		0		0
2,4-Dichlorophenol	0	2	300	0	0	0	None		0		0		0
2,4-Dimethylphenol	0	2	300	0	0	0	None		0	28000	0	1000000	0
2,4-Dinitrophenol	0	2	760	0	0	0	None		0		0		0
2,4-Dinitrotoluene	0	3	260	0	0	0	None		0		0		0
2,6-Dinitrotoluene	0	3	260	0	0	0	None		0		0		0
2-Chloronaphthalene	0	3	260	0	0	0	None		0		0		0
2-Chlorophenol	0	2	300	0	0	0	None		0		0		0
2-Methylnaphthalene	2	3	190	200	160 J	230 J	OU3-D-SS03-0001		0	56000	0	1000000	0
2-Methylphenol	0	2	300	0	0	0	None		0	70000	0	1000000	0
2-Nitroaniline	0	3	660	0	0	0	None		0		0		0
2-Nitrophenol	0	2	300	0	0	0	None		0		0		0
3,3'-Dichlorobenzidine	0	3	260	0	0	0	None		0	16	0	1400	0
3-Nitroaniline	0	3	660	0	0	0	None		0		0		0
4,6-Dinitro-2-methylphenol	0	2	760	0	0	0	None		0		0		0
4-Bromophenyl-phenylether	0	3	260	0	0	0	None		0	82000	0	500000	0
4-Chloro-3-methylphenol	0	2	300	0	0	0	None		0	0	0	0	0
4-Chloroaniline	0	3	260	0	0	0	None		0	5600	0	270000	0
4-Chlorophenyl-phenylether	0	3	260	0	0	0	None		0		0		0
4-Methylphenol	0	2	300	0	0	0	None		0	7000	0	340000	0
4-Nitroaniline	0	3	660	0	0	0	None		0	4200	0	200000	0
4-Nitrophenol	0	2	760	0	0	0	None		0	11000	0	540000	0
Acenaphthene	2	3	1200	1700	1400 J	2000	OU3-D-SS03-0001		0	84000	0	1000000	0
Acenaphthylene	2	3	180	62	56 J	69 J	OU3-D-SB01-0002		0	84000	0	1000000	0
Anthracene	3	3	1700	1700	100 J	2800 J	OU3-D-SS03-0001		0	400000	0	1000000	0
Benzo(a)anthracene	3	3	11000	11000	310 J	23000 *J	OU3-D-SS03-0001		0	1000	2	1000	2
Benzo(a)pyrene	3	3	10000	10000	270 J	21000 *J	OU3-D-SS03-0001		0	1000	2	1000	2
Benzo(b)fluoranthene	3	3	10000	10000	260 J	18000 *J	OU3-D-SS03-0001		0	1000	2	1000	2
Benzo(g,h,i)perylene	3	3	3800	3800	220 J	7900 *J	OU3-D-SB03-0002		0	40000	0	1000000	0
Benzo(k)fluoranthene	3	3	6500	6500	240 J	17000 *J	OU3-D-SS03-0001		0	1000	2	8400	1
Bis(2-Chloroethoxy)methane	0	3	260	0	0	0	None		0		0		0
Bis(2-Chloroethyl)ether	0	3	260	0	0	0	None		0		0		0
bis(2-Ethylhexyl)phthalate	1	3	230	79	79 J	79 J	OU3-D-SB01-0002		0	11000	0	44000	0
Butylbenzylphthalate	0	3	260	0	0	0	None		0	200000	0	1000000	0
Carbazole	2	3	800	1100	910 J	1300	OU3-D-SS03-0001		0	360	2	31000	0
Chrysene	3	3	12000	12000	490	26000 *J	OU3-D-SS03-0001		0	960	2	84000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
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TABLE 4-8 (cont.)
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RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Di-n-Butylphthalate	0	3	260	0	0	0	None		0	140000	0	1000000	0
Di-n-octylphthalate	0	3	260	0	0	0	None		0	20000	0	1000000	0
Dibenzo(a,h)anthracene	2	3	760	940	75 J	1800 J	OU3-D-SB03-0002		0	0.96	2	84	1
Dibenzofuran	2	3	420	540	510 J	570 J	OU3-D-SS03-0001		0	5600	0	270000	0
Diethylphthalate	0	3	260	0	0	0	None		0	1100000	0	1000000	0
Dimethylphthalate	0	3	260	0	0	0	None		0	14000000	0	1000000	0
Fluoranthene	3	3	31000	31000	710	76000 *J	OU3-D-SS03-0001		0	56000	1	1000000	0
Fluorene	2	3	820	1100	960 J	1300	OU3-D-SS03-0001		0	56000	0	1000000	0
Hexachlorobenzene	0	3	260	0	0	0	None		0	1000	0	1000	0
Hexachlorobutadiene	0	3	260	0	0	0	None		0		0		0
Hexachlorocyclopentadiene	0	2	190	0	0	0	None		0		0		0
Hexachloroethane	0	3	260	0	0	0	None		0		0		0
Indeno(1,2,3-cd)pyrene	3	3	3600	3600	150 J	7700 *J	OU3-D-SB03-0002		0	9.6	3	840	2
Isophorone	0	3	260	0	0	0	None		0		0		0
N-Nitroso-di-n-propylamine	0	3	260	0	0	0	None		0	1	0	88	0
N-Nitroso-diphenylamine	0	3	260	0	0	0	None		0	1400	0	130000	0
Naphthalene	2	3	260	290	280 J	300 J	OU3-D-SB03-0002		0	56000	0	1000000	0
Nitrobenzene	0	3	260	0	0	0	None		0		0		0
Pentachlorophenol	0	2	760	0	0	0	None		0	1000	0	5100	0
Phenanthrene	3	3	18000	18000	290 J	41000 *J	OU3-D-SS03-0001		0	40000	1	1000000	0
Phenol	0	1	410	0	0	0	None		0	800000	0	1000000	0
Pyrene	3	3	32000	32000	1100	74000 *J	OU3-D-SS03-0001		0	40000	1	1000000	0
Total PAH	3	3	140000	140000	4284	309480	OU3-D-SS03-0001		0		0		0
Volatile Organic Compounds (µg/kg)													
1,1,1-Trichloroethane	0	1	6	0	0	0	None		0	40000	0	500000	0
1,1,2,2-Tetrachloroethane	0	1	6	0	0	0	None		0	100	0	3100	0
1,1,2-Trichloroethane	0	1	6	0	0	0	None		0	1000	0	11000	0
1,1-Dichloroethane	0	1	6	0	0	0	None		0	14000	0	500000	0
1,1-Dichloroethene	0	1	6	0	0	0	None		0	1400	0	1000	0
1,2-Dichloroethane	0	1	6	0	0	0	None		0	200	0	6700	0
1,2-Dichloroethene (total)	0	1	6	0	0	0	None		0	14000	0	500000	0
1,2-Dichloropropane	0	1	6	0	0	0	None		0		0		0
2-Butanone	1	1	33	33	33	33	OU3-D-SB01-0002		0	80000	0	500000	0
2-Hexanone	0	1	6	0	0	0	None		0	56000	0	500000	0
4-Methyl-2-Pentanone	0	1	6	0	0	0	None		0	14000	0	500000	0
Acetone	1	1	100	100	100	100	OU3-D-SB01-0002		0	140000	0	500000	0
Benzene	0	1	6	0	0	0	None		0	200	0	21000	0
Bromodichloromethane	0	1	6	0	0	0	None		0	110	0	9900	0
Bromoform	0	1	6	0	0	0	None		0	800	0	78000	0
Bromomethane	0	1	6	0	0	0	None		0		0		0

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Carbon Disulfide	0	1	6	0	0	0	None		0	140000	0	500000	0
Carbon Tetrachloride	0	1	6	0	0	0	None		0		0		0
Chlorobenzene	0	1	6	0	0	0	None		0	20000	0	500000	0
Chloroethane	0	1	6	0	0	0	None		0	2400	0	210000	0
Chloroform	0	1	6	0	0	0	None		0	1200	0	100000	0
Chloromethane	0	1	6	0	0	0	None		0	540	0	47000	0
cis-1,3-Dichloropropene	0	1	6	0	0	0	None		0		0		0
Dibromochloromethane	0	1	6	0	0	0	None		0		0		0
Ethylbenzene	0	1	6	0	0	0	None		0	10100	0	500000	0
Methylene Chloride	0	1	6	0	0	0	None		0	1000	0	82000	0
Styrene	0	1	6	0	0	0	None		0	20000	0	500000	0
Tetrachloroethene	0	1	6	0	0	0	None		0	1000	0	12000	0
Toluene	0	1	6	0	0	0	None		0	67000	0	500000	0
Total Xylenes	0	1	6	0	0	0	None		0	19500	0	500000	0
trans-1,3-Dichloropropene	0	1	6	0	0	0	None		0		0		0
Trichloroethene	0	1	6	0	0	0	None		0	1000	0	56000	0
Vinyl Chloride	0	1	6	0	0	0	None		0	400	0	320	0
Pesticides/PCBs (µg/kg)													
4,4'-DDD	1	8	11	26	26 J	26 J	BPMC + 220	4.595833333	1	29	0	2600	0
4,4'-DDE	2	8	17	40	7 J	74 J	BPMC + 220	16.71388889	1	21	1	1800	0
4,4'-DDT	2	8	36	120	7.6 J	230 J	BPMC + 220	29.09305556	1	21	1	1800	0
Aldrin	1	8	5.5	2.2	2.2 J	2.2 J	OU3-D-SS03-0001	2.411111111	0	0.41	1	36	0
alpha-BHC	1	8	5.3	0.52	0.52 J	0.52 J	OU3-D-SS03-0001	2.411111111	0	1.1	0	97	0
alpha-Chlordane	0	8	5.4	0	0	0	None	4.880555556	0	66	0	490	0
Aroclor, Total	6	8	4100	5400	41	30000	BPMB + 50		0		0		0
Aroclor, Total (Conservative)	6	8	4700	6300	217	32285	BPMB + 50		0		0		0
Aroclor-1016	0	8	100	0	0	0	None	49.93243243	0		0	1000	0
Aroclor-1221	0	8	210	0	0	0	None	93.02702703	0		0		0
Aroclor-1232	0	8	100	0	0	0	None	47.05405405	0		0		0
Aroclor-1242	0	8	100	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1248	0	8	100	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1254	1	8	140	350	350 J	350 J	OU3-D-SS03-0001	46.10810811	1		0	1000	0
Aroclor-1260	0	8	100	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1262	4	8	4000	7900	270 J	30000 J	BPMB + 50	36.81081081	4		0	1000	1
Aroclor-1268	3	8	160	190	41	340 J	OU3-D-SS03-0001	46.10810811	2		0	1000	0
beta-BHC	0	8	5.4	0	0	0	None	2.386111111	0	3.9	0	340	0
delta-BHC	0	8	5.4	0	0	0	None	2.316666667	0	1.1	0	97	0
Dieldrin	0	8	10	0	0	0	None	13.09305556	0	7	0	38	0
Endosulfan I	1	8	6.8	22	22 J	22 J	BRE + 300	4.523611111	1	8400	0	410000	0
Endosulfan II	0	8	10	0	0	0	None	4.723611111	0	8400	0	410000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-8 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA D - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Endosulfan Sulfate	1	8	13	24	24 J	24 J	OU3-D-SS03-0001	4.691666667	1	8400	0	410000	0
Endrin	2	8	9.7	9.4	7.9 J	11 J	BPMC + 220	4.770833333	2	0	2	20000	0
Endrin Aldehyde	1	8	11	9.6	9.6 J	9.6 J	OU3-D-SS03-0001	4.558333333	1	0	1	20000	0
Endrin Ketone	1	8	14	32	32 J	32 J	OU3-D-SB03-0002	5.306944444	1	0	1	20000	0
gamma-BHC	0	8	5.4	0	0	0	None	2.411111111	0	40	0	20000	0
gamma-Chlordane	2	8	6.1	3.8	2.3 J	5.2 J	OU3-D-SB03-0002	2.672222222	1	66	0	490	0
Heptachlor	0	8	5.4	0	0	0	None	2.186111111	0	13	0	140	0
Heptachlor Epoxide	0	8	5.4	0	0	0	None	2.331944444	0	20	0	67	0
Methoxychlor	0	8	53	0	0	0	None	22.25	0	8000	0	340000	0
Toxaphene	0	8	530	0	0	0	None	236.4472222	0	600	0	560	0
Total Organic Carbon (mg/kg)	1	1	2000	2000	2000	2000	OU3-D-SS03-0001		0		0		0
SUBSURFACE SOIL													
Asbestos (%)	25	62	2	6	1	40	OU3-D-SB02-0204		0		0		0
Dioxins/Furans (µg/kg)													
1,2,3,4,6,7,8-HpCDD	4	4	0.78	0.78	0.03392 J	2.88	OU3-D-SB02-0204		0		0		0
1,2,3,4,6,7,8-HpCDF	4	4	1.4	1.4	0.007 J	5.484	OU3-D-SB02-0204		0		0		0
1,2,3,4,7,8,9-HpCDF	3	4	0.075	0.1	0.0033 J	0.291	OU3-D-SB02-0204		0		0		0
1,2,3,4,7,8-HxCDD	4	4	0.012	0.012	0.00045 J	0.0443	OU3-D-SB02-0204		0		0		0
1,2,3,4,7,8-HxCDF	3	4	1.5	2	0.01227 J	5.947	OU3-D-SB02-0204		0		0		0
1,2,3,6,7,8-HxCDD	4	4	0.071	0.071	0.000896 J	0.27	OU3-D-SB02-0204		0		0		0
1,2,3,6,7,8-HxCDF	3	4	0.91	1.2	0.00474 J	3.632	OU3-D-SB02-0204		0		0		0
1,2,3,7,8,9-HxCDD	4	4	0.08	0.08	0.00108 J	0.311	OU3-D-SB02-0204		0		0		0
1,2,3,7,8,9-HxCDF	1	4	0.0076	0.03	0.0297	0.0297	OU3-D-SB02-0204		0		0		0
1,2,3,7,8-PeCDD	4	4	0.02	0.02	0.000333 J	0.074	OU3-D-SB02-0204		0		0		0
1,2,3,7,8-PeCDF	3	4	1.5	2.1	0.004 J	6.159	OU3-D-SB02-0204		0		0		0
2,3,4,6,7,8-HxCDF	3	4	1.1	1.4	0.0061 J	4.209	OU3-D-SB02-0204		0		0		0
2,3,4,7,8-PeCDF	3	4	2.5	3.3	0.00463 J	9.995 EMPC	OU3-D-SB02-0204		0		0		0
2,3,7,8-TCDD	1	3	0.0046	0.013	0.0133	0.0133	OU3-D-SB02-0204		0		0		0
2,3,7,8-TCDF	2	2	4.6	4.6	0.0066 J	9.145	OU3-D-SB02-0204		0		0		0
OCDD	4	4	3.2	3.2	0.80159 J	5.705	OU3-D-SB02-0204		0		0		0
OCDF	3	4	1.1	1.4	0.05564 J	3.855	OU3-D-SB02-0204		0		0		0
Total HpCDD	4	4	1.4	1.4	0.08267 J	5.115	OU3-D-SB02-0204		0		0		0
Total HpCDF	4	4	2	2	0.01307 J	7.609	OU3-D-SB02-0204		0		0		0
Total HxCDD	4	4	0.55	0.55	0.000246 J	2.133	OU3-D-SB02-0204		0		0		0
Total HxCDF	4	4	6	6	0.01025 J	24.015	OU3-D-SB02-0204		0		0		0
Total PeCDD	4	4	0.075	0.075	0.000745 J	0.287	OU3-D-SB02-0204		0		0		0
Total PeCDF	4	4	3.4	3.4	0.00662 J	13.666	OU3-D-SB02-0204		0		0		0
Total TCDD	2	3	0.0047	0.0068	0.000394 J	0.0133	OU3-D-SB02-0204		0		0		0
Total TCDF	3	3	5.4	5.4	0.01204 J	16.043	OU3-D-SB02-0204		0		0		0
Toxicity Equivalency	4	4	2	2	0.002169273	7.839056	OU3-D-SB02-0204		0		0		0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-8 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA D - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Metals (mg/kg)													
Aluminum	16	16	9800	9800	1090 J	28400 J	OU3-D-SB07-0406	12917.58974	1		0		0
Antimony	1	13	2.2	16.6	16.6 J	16.6 J	OU3-D-SB07-0406	2.857692308	1		0	27	0
Arsenic	5	16	8	19.5	7 J	35.5	OU3-D-SB02-1416	5.674871795	5		0	10	4
Barium	16	16	1360	1360	27.1	19700	OU3-D-SB02-0204	57.46666667	8		0	4700	1
Beryllium	15	16	0.46	0.47	0.25	0.6	OU3-D-SB03-0608	0.718974359	0		0	2	0
Cadmium	11	13	8.9	10.5	0.44	88.6	OU3-D-SB07-0406	0.396538462	11		0	34	1
Calcium	16	16	4130	4130	944	12300	OU3-D-SB03-0608	1597.615385	14		0		0
Chromium	16	16	81	81	13.3	555 J	OU3-D-SB01-0709	16.97179487	14		0	100	3
Cobalt	16	16	15.7	15.7	5.6	83.5	OU3-D-SB01-0709	6.348717949	15		0	1000	0
Copper	44	74	3420	5650	11	69600	OU3-D-SB02-0204	28.79358974	40		0	2500	10
Iron	16	16	38800	38800	12700	123000	OU3-D-SB04-1214	16045.12821	14		0		0
Lead	52	79	2140	3230	6.4 J	49000	OU3-D-SB02-0204	80.75897436	43		0	500	24
Magnesium	16	16	14000	14000	2830	77200	OU3-D-SB02-0204	3251.487179	14		0		0
Manganese	16	16	444	444	133	1720	OU3-D-SB01-0709	306.3948718	7		0	1600	1
Mercury	5	16	0.21	0.53	0.22	1.1	OU3-D-SB04-1416	0.110512821	5		0	20	0
Nickel	16	16	148	148	10.3	1420	OU3-D-SB01-0709	12.51666667	15		0	1400	1
Potassium	16	16	1650	1650	58.2 J	2720 J	OU3-D-SB04-1416	961.1371795	13		0		0
Selenium	2	16	0.81	1.8	1.6 J	1.9 J	OU3-D-SB07-1214	0.498846154	2		0	340	0
Silver	4	16	0.82	2.4	0.67	4.9	OU3-D-SB07-0406	0.507820513	4		0	340	0
Sodium	16	16	2140	2140	247 J	5500	OU3-D-SB03-0608	76.42820513	16		0		0
Thallium	0	14	0.78	0	0	0	None	0.367820513	0		0	5.4	0
Vanadium	15	16	23.3	24.8	7.8 J	33.2 , J	OU3-D-SB04-1416, OU3-D-SB08-0810	34.21153846	0		0	470	0
Zinc	16	16	553	553	45.6	3830	OU3-D-SB02-0204	112.3230769	9		0	20000	0
SPLP Metals (µg/l)													
Aluminum	4	4	687	687	63.3	1550	OU3-D-SB09-0103		0		0		0
Antimony	2	4	6.1	9.7	7	12.4	OU3-D-SB07-0406		0	60	0		0
Arsenic	2	4	5.7	7.8	7.3	8.4	OU3-D-SB09-0103		0	500	0		0
Barium	4	4	360	360	21.4	833	OU3-D-SB02-0204		0	10000	0		0
Beryllium	0	4	0.5	0	0	0	None		0	40	0		0
Cadmium	1	4	2.7	9.2	9.2	9.2	OU3-D-SB06-0204		0	50	0		0
Calcium	4	4	12400	12400	5700	19100	OU3-D-SB07-0406		0		0		0
Chromium	1	4	1.1	2.9	2.9	2.9	OU3-D-SB06-0204		0	500	0		0
Cobalt	1	4	2.7	7.8	7.8	7.8	OU3-D-SB06-0204		0		0		0
Copper	3	4	235	313	103	561	OU3-D-SB02-0204		0	13000	0		0
Iron	4	4	766	766	53.6	2100	OU3-D-SB06-0204		0		0		0
Lead	4	4	143	143	3.1	268	OU3-D-SB06-0204		0	150	2		0
Magnesium	4	4	2480	2480	1120	4980	OU3-D-SB07-0406		0		0		0
Manganese	4	4	127	127	16.6	330	OU3-D-SB06-0204		0		0		0
Mercury	0	4	0.1	0	0	0	None		0	20	0		0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-8 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA D - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Nickel	2	4	13	25.5	22.2	28.8	OU3-D-SB06-0204		0	1000	0		0
Potassium	4	4	2220	2220	815	3920	OU3-D-SB07-0406		0		0		0
Selenium	0	4	2.5	0	0	0	None		0	500	0		0
Silver	0	4	1	0	0	0	None		0	360	0		0
Sodium	4	4	13000	13000	1070	25900	OU3-D-SB09-0103		0		0		0
Thallium	0	4	3	0	0	0	None		0	50	0		0
Vanadium	2	4	7.7	14.9	2.3	27.5	OU3-D-SB09-0103		0	500	0		0
Zinc	4	4	202	202	10.2	488	OU3-D-SB06-0204		0	50000	0		0
Semivolatile Organic Compounds (ug/kg)													
1,2,4-Trichlorobenzene	0	16	700	0	0	0	None		0	14000	0	680000	0
1,2-Dichlorobenzene	0	16	700	0	0	0	None		0	3100	0	500000	0
1,3-Dichlorobenzene	0	16	700	0	0	0	None		0		0		0
1,4-Dichlorobenzene	0	16	700	0	0	0	None		0	15000	0	26000	0
2,2'-oxybis(1-Chloropropane)	0	16	700	0	0	0	None		0		0		0
2,4,5-Trichlorophenol	0	16	1800	0	0	0	None		0		0		0
2,4,6-Trichlorophenol	0	16	700	0	0	0	None		0		0		0
2,4-Dichlorophenol	0	16	700	0	0	0	None		0		0		0
2,4-Dimethylphenol	1	16	780	1600	1600	1600	OU3-D-SB02-0204		0	28000	0	1000000	0
2,4-Dinitrophenol	0	16	1800	0	0	0	None		0		0		0
2,4-Dinitrotoluene	0	16	700	0	0	0	None		0		0		0
2,6-Dinitrotoluene	0	16	700	0	0	0	None		0		0		0
2-Chloronaphthalene	0	16	700	0	0	0	None		0		0		0
2-Chlorophenol	0	16	700	0	0	0	None		0		0		0
2-Methylnaphthalene	6	16	820	630	89 J	2300	OU3-D-SB09-0103		0	56000	0	1000000	0
2-Methylphenol	1	16	710	540	540 J	540 J	OU3-D-SB02-0204		0	70000	0	1000000	0
2-Nitroaniline	0	16	1800	0	0	0	None		0		0		0
2-Nitrophenol	0	16	700	0	0	0	None		0		0		0
3,3'-Dichlorobenzidine	0	16	700	0	0	0	None		0	16	0	1400	0
3-Nitroaniline	0	16	1800	0	0	0	None		0		0		0
4,6-Dinitro-2-methylphenol	0	16	1800	0	0	0	None		0		0		0
4-Bromophenyl-phenylether	0	16	700	0	0	0	None		0	82000	0	500000	0
4-Chloro-3-methylphenol	0	16	700	0	0	0	None		0	0	0	0	0
4-Chloroaniline	0	16	700	0	0	0	None		0	5600	0	270000	0
4-Chlorophenyl-phenylether	0	16	700	0	0	0	None		0		0		0
4-Methylphenol	2	16	740	600	460	730	OU3-D-SB02-0204		0	7000	0	340000	0
4-Nitroaniline	1	16	1900	2500	2500	2500	OU3-D-SB07-0406		0	4200	0	200000	0
4-Nitrophenol	0	16	1800	0	0	0	None		0	11000	0	540000	0
Acenaphthene	7	16	740	620	72 J	1500 J	OU3-D-SB03-0608		0	84000	0	1000000	0
Acenaphthylene	8	16	940	970	74 J	5100	OU3-D-SB09-0103		0	84000	0	1000000	0
Anthracene	12	16	1100	1400	67 J	5400	OU3-D-SB09-0103		0	400000	0	1000000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-8 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA D - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Benzo(a)anthracene	10	16	2300	3600	380 J	12000 *	OU3-D-SB09-0103		0	1000	7	1000	7
Benzo(a)pyrene	13	16	2300	2800	130 J	14000	OU3-D-SB09-0103		0	1000	6	1000	6
Benzo(b)fluoranthene	10	16	1900	2900	260 J	9800 *	OU3-D-SB09-0103		0	1000	6	1000	6
Benzo(g,h,i)perylene	11	16	1200	1700	240 J	4500	OU3-D-SB05-0406		0	40000	0	1000000	0
Benzo(k)fluoranthene	10	16	1900	2900	290 J	8700 *	OU3-D-SB09-0103		0	1000	6	8400	1
Bis(2-Chloroethoxy)methane	0	16	700	0	0	0	None		0		0		0
Bis(2-Chloroethyl)ether	0	16	700	0	0	0	None		0		0		0
bis(2-Ethylhexyl)phthalate	6	16	700	250	41 J	930	OU3-D-SB04-1214		0	11000	0	44000	0
Butylbenzylphthalate	0	16	700	0	0	0	None		0	200000	0	1000000	0
Carbazole	7	16	720	570	110 J	2100	OU3-D-SB09-0103		0	360	3	31000	0
Chrysene	12	16	3600	4700	54 J	16000 *	OU3-D-SB02-0204		0	960	8	84000	0
Di-n-Butylphthalate	1	16	750	1200	1200 J	1200 J	OU3-D-SB02-0204		0	140000	0	1000000	0
Di-n-octylphthalate	0	16	700	0	0	0	None		0	20000	0	1000000	0
Dibenzo(a,h)anthracene	9	16	670	810	81 J	2300	OU3-D-SB09-0103		0	0.96	9	84	8
Dibenzofuran	7	16	710	530	64 J	1800	OU3-D-SB09-0103		0	5600	0	270000	0
Diethylphthalate	3	16	1500	6100	100 J	18000 J	OU3-D-SB06-0204		0	1100000	0	1000000	0
Dimethylphthalate	1	16	690	89	89 J	89 J	OU3-D-SB02-0204		0	14000000	0	1000000	0
Fluoranthene	12	16	5600	7300	100 J	25000 *	OU3-D-SB09-0103		0	56000	0	1000000	0
Fluorene	11	16	870	1200	110 J	5200	OU3-D-SB09-0103		0	56000	0	1000000	0
Hexachlorobenzene	0	16	700	0	0	0	None		0	1000	0	1000	0
Hexachlorobutadiene	0	16	700	0	0	0	None		0		0		0
Hexachlorocyclopentadiene	0	16	700	0	0	0	None		0		0		0
Hexachloroethane	0	16	700	0	0	0	None		0		0		0
Indeno(1,2,3-cd)pyrene	11	16	1200	1600	180 J	4400	OU3-D-SB05-0406		0	9.6	11	840	5
Isophorone	0	16	700	0	0	0	None		0		0		0
N-Nitroso-di-n-propylamine	0	16	700	0	0	0	None		0	1	0	88	0
N-Nitroso-diphenylamine	1	16	700	260	260 J	260 J	OU3-D-SB02-0204		0	1400	0	130000	0
Naphthalene	6	16	810	810	170 J	1600	OU3-D-SB09-0103		0	56000	0	1000000	0
Nitrobenzene	0	16	700	0	0	0	None		0		0		0
Pentachlorophenol	0	16	1800	0	0	0	None		0	1000	0	5100	0
Phenanthrene	12	16	4800	6300	97 J	23000 *	OU3-D-SB09-0103		0	40000	0	1000000	0
Phenol	1	15	830	1800	1800	1800	OU3-D-SB02-0204		0	800000	0	1000000	0
Pyrene	11	16	5700	8100	130 J	30000 *J	OU3-D-SB09-0103		0	40000	0	1000000	0
Total PAH	14	16	34000	38000	130	169030	OU3-D-SB09-0103		0		0		0
Volatile Organic Compounds (µg/kg)													
1,1,1-Trichloroethane	0	5	160	0	0	0	None		0	40000	0	500000	0
1,1,2,2-Tetrachloroethane	0	5	160	0	0	0	None		0	100	0	3100	0
1,1,2-Trichloroethane	0	5	160	0	0	0	None		0	1000	0	11000	0
1,1-Dichloroethane	0	5	160	0	0	0	None		0	14000	0	500000	0
1,1-Dichloroethene	0	5	160	0	0	0	None		0	1400	0	1000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-8 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA D - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
1,2-Dichloroethane	0	5	160	0	0	0	None		0	200	0	6700	0
1,2-Dichloroethene (total)	0	5	160	0	0	0	None		0	14000	0	500000	0
1,2-Dichloropropane	0	5	160	0	0	0	None		0		0		0
2-Butanone	0	5	160	0	0	0	None		0	80000	0	500000	0
2-Hexanone	0	5	160	0	0	0	None		0	56000	0	500000	0
4-Methyl-2-Pentanone	0	5	160	0	0	0	None		0	14000	0	500000	0
Acetone	2	5	170	42	15 JTB	68 J	OU3-D-SB09-0103		0	140000	0	500000	0
Benzene	0	5	160	0	0	0	None		0	200	0	21000	0
Bromodichloromethane	0	5	160	0	0	0	None		0	110	0	9900	0
Bromoform	0	5	160	0	0	0	None		0	800	0	78000	0
Bromomethane	0	5	160	0	0	0	None		0		0		0
Carbon Disulfide	1	5	160	29	29 J	29 J	OU3-D-SB03-0608		0	140000	0	500000	0
Carbon Tetrachloride	0	5	160	0	0	0	None		0		0		0
Chlorobenzene	0	5	160	0	0	0	None		0	20000	0	500000	0
Chloroethane	0	5	160	0	0	0	None		0	2400	0	210000	0
Chloroform	0	5	160	0	0	0	None		0	1200	0	100000	0
Chloromethane	0	5	160	0	0	0	None		0	540	0	47000	0
cis-1,3-Dichloropropene	0	5	160	0	0	0	None		0		0		0
Dibromochloromethane	0	5	160	0	0	0	None		0		0		0
Ethylbenzene	0	5	160	0	0	0	None		0	10100	0	500000	0
Methylene Chloride	1	5	240	5	5 JTB	5 JTB	OU3-D-SB03-0608		0	1000	0	82000	0
Styrene	0	5	160	0	0	0	None		0	20000	0	500000	0
Tetrachloroethene	0	5	160	0	0	0	None		0	1000	0	12000	0
Toluene	2	5	160	4	4 JEB	5 JEB	OU3-D-SB09-0103		0	67000	0	500000	0
Total Xylenes	0	5	160	0	0	0	None		0	19500	0	500000	0
trans-1,3-Dichloropropene	0	5	160	0	0	0	None		0		0		0
Trichloroethene	1	5	160	4	4 J	4 J	OU3-D-SB09-0103		0	1000	0	56000	0
Vinyl Chloride	0	5	160	0	0	0	None		0	400	0	320	0
Pesticides/PCBs (µg/kg)													
4,4'-DDD	2	16	6.6	7.2	6.6	7.9 J	OU3-D-SB06-0204	4.595833333	2	29	0	2600	0
4,4'-DDE	1	16	6.2	6.7	6.7 J	6.7 J	OU3-D-SB03-0608	16.71388889	0	21	0	1800	0
4,4'-DDT	1	16	7.2	17	17 J	17 J	OU3-D-SB03-0608	29.09305556	0	21	0	1800	0
Aldrin	0	16	3	0	0	0	None	2.411111111	0	0.41	0	36	0
alpha-BHC	0	16	3	0	0	0	None	2.411111111	0	1.1	0	97	0
alpha-Chlordane	1	16	3.1	2.5	2.5	2.5	OU3-D-SB06-0204	4.880555556	0	66	0	490	0
Aroclor, Total	4	16	4200	17000	150	64000	OU3-D-SB02-0204		0		0		0
Aroclor, Total (Conservative)	4	16	4500	18000	432.5	68750	OU3-D-SB02-0204		0		0		0
Aroclor-1016	0	16	60	0	0	0	None	49.93243243	0		0	1000	0
Aroclor-1221	0	16	120	0	0	0	None	93.02702703	0		0		0
Aroclor-1232	0	16	60	0	0	0	None	47.05405405	0		0		0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-8 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA D - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Aroclor-1242	0	16	60	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1248	0	16	60	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1254	0	16	60	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1260	0	16	60	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1262	2	16	1600	13000	1000 *J	25000 *	OU3-D-SB02-0204	36.81081081	2		0	1000	1
Aroclor-1268	4	16	2500	10000	160	39000 *	OU3-D-SB02-0204	46.10810811	4		0	1000	1
beta-BHC	0	16	3	0	0	0	None	2.386111111	0	3.9	0	340	0
delta-BHC	0	16	3	0	0	0	None	2.316666667	0	1.1	0	97	0
Dieldrin	1	16	6.3	7.2	7.2	7.2	OU3-D-SB07-0406	13.09305556	0	7	1	38	0
Endosulfan I	0	16	3	0	0	0	None	4.523611111	0	8400	0	410000	0
Endosulfan II	0	16	6	0	0	0	None	4.723611111	0	8400	0	410000	0
Endosulfan Sulfate	0	16	6	0	0	0	None	4.691666667	0	8400	0	410000	0
Endrin	0	16	6	0	0	0	None	4.770833333	0	0	0	20000	0
Endrin Aldehyde	2	16	57	440	50	830	OU3-D-SB02-0204	4.558333333	2	0	2	20000	0
Endrin Ketone	0	16	6	0	0	0	None	5.306944444	0	0	0	20000	0
gamma-BHC	0	16	3	0	0	0	None	2.411111111	0	40	0	20000	0
gamma-Chlordane	2	16	3.7	6.9	4.1	9.7	OU3-D-SB06-0204	2.672222222	2	66	0	490	0
Heptachlor	0	16	3	0	0	0	None	2.186111111	0	13	0	140	0
Heptachlor Epoxide	2	16	3.4	3.9	2.6	5.2	OU3-D-SB09-0103	2.331944444	2	20	0	67	0
Methoxychlor	0	16	30	0	0	0	None	22.25	0	8000	0	340000	0
Toxaphene	0	16	300	0	0	0	None	236.4472222	0	600	0	560	0

Notes: CT PMC - State of Connecticut Pollutant Mobility Criteria for GB Aquifers
CT DEC - State of Connecticut Direct Exposure Criteria for Residential Soils
CT AWQC - State of Connecticut Ambient Water Quality Criteria (water and organism)
J - Quantitation Approximate
* - The number of samples analyzed does not include results that were rejected during the data validation process.

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-9
SUMMARY STATISTICS - AREA D - BIOTA
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection
Metals (mg/kg)							
Arsenic	5	5	2.7	2.7	1.6 J	3.6 J	D-3-TISS-SMP
Cadmium	5	5	0.78	0.78	0.49 J	1.1 J	D-6-TISS-SMP
Chromium	5	5	1.5	1.5	0.85	2.8	D-6-TISS-SMP
Copper	5	5	21	21	16.7	29.8	D-6-TISS-SMP
Lead	5	5	1	1	0.69	1.6	D-6-TISS-SMP
Mercury	5	5	0.1	0.1	0.089	0.14	D-6-TISS-SMP
Nickel	5	5	0.61	0.61	0.5	0.75	D-6-TISS-SMP
Silver	5	5	0.9	0.9	0.65	1.1	D-4-TISS-SMP
Zinc	5	5	64.6	64.6	58.4	70	D-6-TISS-SMP
Semivolatile Organic Compounds (µg/kg)							
1-Methylnaphthalene	5	5	120	120	93	160	D-4-TISS-SMP
1-Methylphenanthrene	0	5	6	0	0	0	None
2,3,5-Trimethylnaphthalene	0	5	6	0	0	0	None
2,6-Dimethylnaphthalene	1	5	9	20	20	20	D-2-TISS-SMP
2-Methylnaphthalene	5	5	130	130	100	160	D-2-TISS-SMP
Acenaphthene	5	5	23	23	16	29	D-4-TISS-SMP
Acenaphthylene	3	5	11	14	14	15	D-2-TISS-SMP
Anthracene	2	5	8	12	12	12	D-1-TISS-SMP, D-2-TISS-SMP
Benzo(a)anthracene	5	5	23	23	14	32	D-2-TISS-SMP
Benzo(a)pyrene	0	5	6	0	0	0	None
Benzo(b)fluoranthene	2	5	11	18	14	21	D-2-TISS-SMP
Benzo(e)pyrene	4	5	19	22	18	27	D-2-TISS-SMP
Benzo(g,h,i)perylene	1	5	8	15	15	15	D-2-TISS-SMP
Benzo(k)fluoranthene	2	5	9	14	11	18	D-2-TISS-SMP
Biphenyl	0	5	6	0	0	0	None
Chrysene	4	5	17	20	15	28	D-2-TISS-SMP
Dibenzo(a,h)anthracene	0	5	6	0	0	0	None
Fluoranthene	5	5	54	54	32	74	D-1-TISS-SMP
Fluorene	4	5	14	16	11	18	D-2-TISS-SMP
Indeno(1,2,3-cd)pyrene	0	5	6	0	0	0	None
Naphthalene	5	5	220	220	180	260	D-4-TISS-SMP
Perylene	1	5	7	11	11	11	D-2-TISS-SMP

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-9 (cont.)
SUMMARY STATISTICS - AREA D - BIOTA
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection
Phenanthrene	5	5	85	85	64	110	D-4-TISS-SMP
Pyrene	5	5	110	110	73	150	D-1-TISS-SMP
Total PAH	5	5	570	570	414	737	D-2-TISS-SMP
Pesticides/PCBs (µg/kg)							
2,4'-DDD	0	5	2.2	0	0	0	None
2,4'-DDE	0	5	2.2	0	0	0	None
2,4'-DDT	0	5	2.2	0	0	0	None
4,4'-DDD	2	5	6.3	12	8.4	16	D-1-TISS-SMP
4,4'-DDE	2	5	4.5	7.8	7.1	8.4	D-1-TISS-SMP
4,4'-DDT	0	5	2.2	0	0	0	None
Aldrin	0	5	2.2	0	0	0	None
alpha-BHC	0	5	2.2	0	0	0	None
alpha-Chlordane	0	5	2.2	0	0	0	None
beta-BHC	0	5	2.2	0	0	0	None
delta-BHC	0	5	2.2	0	0	0	None
Dieldrin	0	5	2.2	0	0	0	None
Endosulfan I	0	5	2.2	0	0	0	None
Endosulfan II	0	5	2.2	0	0	0	None
Endosulfan Sulfate	0	5	2.2	0	0	0	None
Endrin	0	5	2.2	0	0	0	None
Endrin Aldehyde	0	5	2.2	0	0	0	None
gamma-BHC	0	5	2.2	0	0	0	None
gamma-Chlordane	0	5	2.2	0	0	0	None
Heptachlor	0	5	2.2	0	0	0	None
Heptachlor Epoxide	0	5	2.2	0	0	0	None
Hexachlorobenzene	0	5	2.2	0	0	0	None
Methoxychlor	0	5	5.6	0	0	0	None
Mirex	0	5	2.2	0	0	0	None
Toxaphene	0	5	14	0	0	0	None
PCB Homologues (µg/kg)							
101 (2 2'4 5 5')	5	5	12	12	6	16	D-2-TISS-SMP
138 (2,2',3,4,4',5)	4	5	8	9.5	7.2	12	D-1-TISS-SMP
153 (2,2',4,4',5,5')	5	5	14	14	9	21	D-2-TISS-SMP
18 (2,2',5)	0	5	2.2	0	0	0	None

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-9 (cont.)
SUMMARY STATISTICS - AREA D - BIOTA
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK -OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection
187 (2,2',3,4',5,5',6)	5	5	10	10	4.5	16	D-1-TISS-SMP
195 (2,2',3,3',4,4',5,6)	0	5	2.2	0	0	0	None
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	0	5	2.2	0	0	0	None
2,2',3,3',4,4',5-Heptachlorobiphenyl (170)	0	5	2.2	0	0	0	None
2,2',3,3',4,4'-Hexachlorobiphenyl	0	5	2.2	0	0	0	None
2,2',3,4,4',5,5'-Heptachlorobiphenyl (180)	0	5	2.2	0	0	0	None
2,3',4,4',5-Pentachlorobiphenyl (118)	3	5	4.3	5.9	4.9	6.7	D-4-TISS-SMP
2,3,3',4,4'-Pentachlorobiphenyl (105)	2	5	3.5	5.2	4.5	5.9	D-2-TISS-SMP
3,3',4,4',5-Pentachlorobiphenyl (126)	0	5	2.2	0	0	0	None
8 (2,4)	0	5	2.2	0	0	0	None
Decachlorobiphenyl (209)	0	5	2.2	0	0	0	None
PCB 154	0	5	2.2	0	0	0	None
PCB 188	0	5	2.2	0	0	0	None
PCB 200	0	5	2.2	0	0	0	None
PCB 50	0	5	2.2	0	0	0	None
PCB104	0	5	2.2	0	0	0	None
PCB28	0	5	2.2	0	0	0	None
PCB29	0	5	2.2	0	0	0	None
PCB44	3	5	7.2	10	6.3	16	D-1-TISS-SMP
PCB52	3	5	4.8	6.5	5	7.7	D-4-TISS-SMP
PCB66	2	5	4.6	8	6.8	9.2	D-2-TISS-SMP
PCB77	0	5	2.2	0	0	0	None
PCB87	0	5	2.2	0	0	0	None
Sum of PCB Homologs	5	5	63	63	19.5	90.1	D-1-TISS-SMP

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-10
AREA E: SAMPLES COLLECTED AND ANALYSES PERFORMED
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

AREA	MATRIX	CONTRACTOR	SAMPLE DATE	SAMPLE LOCATION	INTERVAL		CLP							TCLP				OTHER			
					TOP (ft bgs)	BOTTOM (ft bgs)	VOCs	SVOCs	PEST/PCBs	DIOXINS/FURANS	METALS	ASBESTOS	TOC	TCLP VOCs	TCLP SVOCs	TCLP PEST/PCBs	TCLP METALS	SPLP METALS	PCB CONGENERS	PAH (BIOTA ONLY)	SCREENING METALS
E	SEDIMENT	B&RE	16-Jul-97	OU3-E-SD01-0002	0	2		+	+	+	+	+							+		
E	SEDIMENT	B&RE	16-Jul-97	OU3-E-SD01-0204	2	4		+	+	+	+	+							+		
E	SEDIMENT	B&RE	16-Jul-97	OU3-E-SD02-0002	0	2		+	+		+	+									
E	SEDIMENT	B&RE	16-Jul-97	OU3-E-SD02-0204	2	4		+	+		+	+									
E	SEDIMENT	B&RE	16-Jul-97	OU3-E-SD03-0002	0	2		+	+		+	+									
E	SEDIMENT	B&RE	16-Jul-97	OU3-E-SD03-0204	2	4		+	+		+	+	+								
E	SEDIMENT	B&RE	15-Aug-94	RM-SD-ES01-01	0	0.5	+	+	+	+	+										
E	SEDIMENT	B&RE	15-Aug-94	RM-SD-ES02-01	0	0.5	+	+	+	+	+										
E	SEDIMENT	B&RE	09-Nov-94	RM-SD-ES02-02	0	0.5	+	+	+	+	+										
E	SEDIMENT	B&RE	15-Aug-94	RM-SD-ES03-01	0	0.5	+	+	+	+	+										
E	SEDIMENT	B&RE	09-Nov-94	RM-SD-ES03-02	0	0.5	+	+	+	+	+										
E	SEDIMENT	B&RE	17-Nov-94	RM-SD-ES06-02	0	0.5	+	+	+	+	+										
E	SEDIMENT	B&RE	17-Nov-94	RM-SD-ES07-02	0	0.5	+	+	+	+	+										
E	SEDIMENT	SAIC	14-Apr-99	E-1	0	0.5			+	+	+		+						+	+	
E	SEDIMENT	SAIC	14-Apr-99	E-2	0	0.5			+	+	+		+						+	+	
E	SEDIMENT	SAIC	14-Apr-99	E-3	0	0.5			+	+	+		+						+	+	
E	SEDIMENT	SAIC	14-Apr-99	E-4	0	0.5			+	+	+		+						+	+	
E	SOIL	WESTON/ARCS	05-Aug-93	ES1100AC-002(0.5-1.0)	0.5	1		+	+	+	+										
E	SW	B&RE	15-Aug-94	RM-SW-ES01-01	0	0.3	+	+	+		+										
E	SW	B&RE	15-Aug-94	RM-SW-ES02-01	0	0.8	+	+	+		+										
E	SW	B&RE	07-Nov-94	RM-SW-ES02-02	0	0	+	+	+		+										
E	SW	B&RE	07-Nov-94	RM-SW-ES03-02	0.5	0.5	+	+	+		+										
E	SW	B&RE	17-Nov-94	RM-SW-ES06-02	0.2	0.2	+	+	+		+										
E	SW	B&RE	17-Nov-94	RM-SW-ES07-02	0.2	0.2	+	+	+		+										

TABLE 4-11
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SEDIMENT
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
SURFACE SEDIMENT													
Asbestos	0	3	0.05	0	0	0	None		0		0		0
AVS/SEM (µmo/g)													
Acid Volatile Sulfide	3	4	13	17	13.38	22.22	E-1-SED-SMP		0		0		0
Cadmium	4	4	0.0057	0.0057	0.003	0.009	E-3-SED-SMP		0		0		0
Copper	4	4	2	2	1.05 J	2.624 J	E-4-SED-SMP		0		0		0
Lead	4	4	0.64	0.64	0.313 J	1.194 J	E-1-SED-SMP		0		0		0
Nickel	4	4	0.67	0.67	0.293 J	1.632 J	E-1-SED-SMP		0		0		0
Simultaneously Extracted Metal	4	4	13	13	6.576	19.836	E-1-SED-SMP		0		0		0
Zinc	4	4	9.4	9.4	3.503 J	15.206 J	E-1-SED-SMP		0		0		0
Dioxins/Furans (µg/kg)													
1,2,3,4,6,7,8-HpCDD	12	12	0.16	0.16	0.00311 J	0.866	E-1-SED-SMP	0.11011	4		0		0
1,2,3,4,6,7,8-HpCDF	12	12	0.12	0.12	0.00138 J	0.734	E-1-SED-SMP	0.043245	7		0		0
1,2,3,4,7,8,9-HpCDF	8	12	0.01	0.015	0.00191	0.0842	E-1-SED-SMP	0.00405375	4		0		0
1,2,3,4,7,8-HxCDD	5	12	0.0032	0.0062	0.000717 J	0.0106	E-1-SED-SMP	0.002915	4		0		0
1,2,3,4,7,8-HxCDF	10	12	0.037	0.045	0.00182 J	0.29	E-1-SED-SMP	0.0024325	9		0		0
1,2,3,6,7,8-HxCDD	5	12	0.0076	0.017	0.00141 J	0.0378	E-1-SED-SMP	0.00585625	4		0		0
1,2,3,6,7,8-HxCDF	9	12	0.015	0.02	0.00015 J	0.113	E-1-SED-SMP	0.0018375	8		0		0
1,2,3,7,8,9-HxCDD	5	12	0.0044	0.0089	0.00214 J	0.01862	E-1-SED-SMP	0.003745	4		0		0
1,2,3,7,8,9-HxCDF	7	12	0.0062	0.0041	0.000048 J	0.01055 J	RM-SD-ES06-02	0.00289875	3		0		0
1,2,3,7,8-PeCDD	5	12	0.0024	0.0051	0.000612 J	0.01074	E-1-SED-SMP	0.0013225	4		0		0
1,2,3,7,8-PeCDF	8	12	0.015	0.013	0.000838 J	0.0766	E-1-SED-SMP	0.0018125	7		0		0
2,3,4,6,7,8-HxCDF	8	12	0.018	0.026	0.00032 J	0.1356	E-1-SED-SMP	0.00224875	7		0		0
2,3,4,7,8-PeCDF	9	12	0.025	0.033	0.00106 J	0.212	E-1-SED-SMP	0.00173375	6		0		0
2,3,7,8-TCDD	1	12	0.0013	0.0002	0.000199 J	0.000199 J	OU3-E-SD01-0002	0.0003725	0		0		0
2,3,7,8-TCDF	9	12	0.019	0.026	0.00138 J	0.1144 EMPC	E-1-SED-SMP	0.00418625	6		0		0
OCDD	12	12	2.2	2.2	0.05199	8.08	E-4-SED-SMP	1.6016375	4		0		0
OCDF	12	12	0.38	0.38	0.00254 J	2.94	E-1-SED-SMP	0.115875	5		0		0
Total HpCDD	8	8	0.084	0.084	0.00829 J	0.25484 J	RM-SD-ES06-02	0.2595375	0		0		0
Total HpCDF	8	8	0.16	0.16	0.00334 J	0.99082 J	RM-SD-ES06-02	0.23091	1		0		0
Total HxCDD	4	8	0.0086	0.015	0.00152 J	0.0327 J	OU3-E-SD01-0002	0.0254	1		0		0
Total HxCDF	7	8	0.14	0.16	0.00403 J	0.81503 J	RM-SD-ES06-02	0.2633475	1		0		0
Total PeCDD	1	8	0.0015	0.0083	0.00834 J	0.00834 J	OU3-E-SD01-0002	0.0013225	1		0		0
Total PeCDF	7	8	0.18	0.21	0.01224 J	0.81234 J	RM-SD-ES06-02	0.4017375	1		0		0
Total TCDD	4	8	0.0023	0.0038	0.00048 J	0.00915 J	RM-SD-ES06-02	0.00277125	2		0		0
Total TCDF	7	8	0.27	0.31	0.01018 J	1.48338 J	RM-SD-ES06-02	0.25400625	1		0		0
Toxicity Equivalency	12	12	0.031	0.031	0.000960512	0.216388	E-1-SED-SMP	0.00451775	8		0		0
Metals (mg/kg)													
Aluminum	10	10	19800	19800	10100	29600	OU3-E-SD02-0002	11485	9		0		0
Antimony	2	10	1.7	3	2.8	3.1 J	OU3-E-SD03-0002	2.425	2		0	27	0
Arsenic	12	14	12.1	13	6.5	25.4 J	RM-SD-ES02-01	7.4125	10		0	10	7

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-11 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SEDIMENT
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Barium	10	10	113	113	66.7	232 J	OU3-E-SD03-0002	32.4375	10		0	4700	0
Beryllium	3	10	0.49	0.92	0.69 J	1.2	OU3-E-SD02-0002	0.45375	3		0	2	0
Cadmium	1	14	0.36	0.12	0.12 J	0.12 J	E-3-SED-SMP	0.30625	0		0	34	0
Calcium	10	10	12700	12700	2460	94100	RM-SD-ES01-01	2031.5	10		0		0
Chromium	14	14	78.5	78.5	20.8	211 J	RM-SD-ES02-01	60.75	6		0	100	4
Cobalt	10	10	9.5	9.5	7.3	12	OU3-E-SD02-0002	8.675	7		0	1000	0
Copper	14	14	187	187	36.6	425	RM-SD-ES02-01	160.75	8		0	2500	0
Iron	10	10	29700	29700	18300	52300	RM-SD-ES02-01	22060	8		0		0
Lead	14	14	179	179	39.1 J	404	RM-SD-ES02-01	71.825	11		0	500	0
Magnesium	10	10	12400	12400	6120	56800	RM-SD-ES01-01	6247.5	9		0		0
Manganese	10	10	306	306	228	413	RM-SD-ES02-01	206.125	10		0	1600	0
Mercury	8	14	0.34	0.49	0.15	0.89	OU3-E-SD02-0002	0.6225	2		0	20	0
Nickel	14	14	26.5	26.5	17.1	38.5 J	RM-SD-ES02-02	20.45	10		0	1400	0
Potassium	10	10	3150	3150	2200 J	4590 J	RM-SD-ES07-02	2820	7		0		0
Selenium	0	10	1.2	0	0	0	None	0.94125	0		0	340	0
Silver	7	14	1.6	2	0.24	4.5	E-1-SED-SMP	0.53	6		0	340	0
Sodium	4	10	1440	2610	2030 J	3700	OU3-E-SD02-0002	8315	0		0		0
Thallium	1	10	2	3.5	3.5	3.5	OU3-E-SD02-0002	1.075	1		0	5.4	0
Vanadium	10	10	72.5	72.5	33.3	125 J	RM-SD-ES02-01	38.05	9		0	470	0
Zinc	14	14	175	175	85.5	348 J	RM-SD-ES02-02	134.275	9		0	20000	0
Semivolatile Organic Compounds (µg/kg)													
1,2,4-Trichlorobenzene	0	9	2200	0	0	0	None	615	0	14000	0	680000	0
1,2-Dichlorobenzene	0	9	2200	0	0	0	None	615	0	3100	0	500000	0
1,3-Dichlorobenzene	0	9	2200	0	0	0	None	615	0		0		0
1,4-Dichlorobenzene	0	9	2200	0	0	0	None	615	0	15000	0	26000	0
1-Methylnaphthalene	4	4	27	27	17	34	E-2-SED-SMP		0		0		0
1-Methylphenanthrene	4	4	140	140	83	250	E-3-SED-SMP		0		0		0
2,2'-oxybis(1-Chloropropane)	0	9	2200	0	0	0	None	615	0		0		0
2,3,5-Trimethylnaphthalene	2	4	15	22	17	27	E-3-SED-SMP		0		0		0
2,4,5-Trichlorophenol	0	9	5500	0	0	0	None	1500	0		0		0
2,4,6-Trichlorophenol	0	9	2200	0	0	0	None	615	0		0		0
2,4-Dichlorophenol	0	9	2200	0	0	0	None	615	0		0		0
2,4-Dimethylphenol	0	9	2200	0	0	0	None	615	0	28000	0	1000000	0
2,4-Dinitrophenol	0	8	820	0	0	0	None	1500	0		0		0
2,4-Dinitrotoluene	0	9	2200	0	0	0	None	615	0		0		0
2,6-Dimethylnaphthalene	2	4	16	23	23	23	E-1-SED-SMP, E-3-SED-SMP		0		0		0
2,6-Dinitrotoluene	0	9	2200	0	0	0	None	615	0		0		0
2-Chloronaphthalene	0	9	2200	0	0	0	None	615	0		0		0
2-Chlorophenol	0	9	2200	0	0	0	None	615	0		0		0
2-Methylnaphthalene	4	13	1500	39	25	50	E-1-SED-SMP	615	0	56000	0	1000000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-11 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SEDIMENT
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
2-Methylphenol	0	9	2200	0	0	0	None	615	0	70000	0	1000000	0
2-Nitroaniline	0	9	5500	0	0	0	None	1500	0		0		0
2-Nitrophenol	0	9	2200	0	0	0	None	615	0		0		0
3,3'-Dichlorobenzidine	0	9	2200	0	0	0	None	615	0	16	0	1400	0
3-Nitroaniline	0	8	6100	0	0	0	None	1500	0		0		0
4,6-Dinitro-2-methylphenol	0	8	820	0	0	0	None	1500	0		0		0
4-Bromophenyl-phenylether	0	9	2200	0	0	0	None	615	0	82000	0	500000	0
4-Chloro-3-methylphenol	0	9	2200	0	0	0	None	615	0	0	0	0	0
4-Chloroaniline	0	9	2200	0	0	0	None	615	0	5600	0	270000	0
4-Chlorophenyl-phenylether	0	9	2200	0	0	0	None	615	0		0		0
4-Methylphenol	4	10	2000	270	66 J	770	RM-SD-ES01-01	615	1	7000	0	340000	0
4-Nitroaniline	0	9	5500	0	0	0	None	1500	0	4200	0	200000	0
4-Nitrophenol	0	9	5500	0	0	0	None	1500	0	11000	0	540000	0
Acenaphthene	2	13	1500	50	21	79	E-3-SED-SMP	615	0	84000	0	1000000	0
Acenaphthylene	10	14	1500	330	29 J	1300 J	RM-SD-ES02-01	615	1	84000	0	1000000	0
Anthracene	8	11	1800	270	71	950	E-3-SED-SMP	577.5	1	400000	0	1000000	0
Benzo(a)anthracene	12	14	1900	740	100 J	3300	E-3-SED-SMP	2015	1	1000	2	1000	2
Benzo(a)pyrene	12	14	2000	870	160 J	2900	E-3-SED-SMP	1702.5	2	1000	2	1000	2
Benzo(b)fluoranthene	12	14	2600	1500	360 J	5600 J	RM-SD-ES02-01	3291.25	2	1000	5	1000	5
benzo(e)pyrene	4	4	1200	1200	730	2300	E-3-SED-SMP		0		0		0
Benzo(g,h,i)perylene	12	14	1800	610	81 J	1900	E-3-SED-SMP	927.5	2	40000	0	1000000	0
Benzo(k)fluoranthene	9	13	1800	610	110 J	970	E-3-SED-SMP	615	4	1000	0	8400	0
Biphenyl	2	4	30	52	14	89	E-3-SED-SMP		0		0		0
Bis(2-Chloroethoxy)methane	0	9	2200	0	0	0	None	615	0		0		0
Bis(2-Chloroethyl)ether	0	9	2200	0	0	0	None	615	0		0		0
bis(2-Ethylhexyl)phthalate	3	10	2900	3300	110 J	9400	RM-SD-ES03-01	617.5	1	11000	0	44000	0
Butylbenzylphthalate	0	9	2200	0	0	0	None	615	0	200000	0	1000000	0
Carbazole	4	10	1900	120	57	180 J	RM-SD-ES02-01	527.5	0	360	0	31000	0
Chrysene	12	14	2100	1000	210 J	3300	E-3-SED-SMP	1937.5	2	960	4	84000	0
Di-n-Butylphthalate	1	9	2200	150	150 J	150 J	RM-SD-ES07-02	615	0	140000	0	1000000	0
Di-n-octylphthalate	0	9	2200	0	0	0	None	615	0	20000	0	1000000	0
Dibenzo(a,h)anthracene	8	14	1500	210	25 J	520 J	RM-SD-ES02-01	752.5	0	0.96	8	84	8
Dibenzofuran	0	9	2200	0	0	0	None	615	0	5600	0	270000	0
Diethylphthalate	0	9	2200	0	0	0	None	615	0	1100000	0	1000000	0
Dimethylphthalate	0	9	2200	0	0	0	None	615	0	14000000	0	1000000	0
Fluoranthene	12	14	2600	1500	320	6200	E-3-SED-SMP	3770.75	1	56000	0	1000000	0
Fluorene	4	14	1400	200	28	435	RM-SD-ES01-01	615	0	56000	0	1000000	0
Hexachlorobenzene	0	9	2200	0	0	0	None	615	0	1000	0	1000	0
Hexachlorobutadiene	0	9	2200	0	0	0	None	615	0		0		0
Hexachlorocyclopentadiene	0	6	3200	0	0	0	None	615	0		0		0
Hexachloroethane	0	9	2200	0	0	0	None	615	0		0		0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-11 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SEDIMENT
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Indeno(1,2,3-cd)pyrene	12	14	1900	710	90 J	2400	E-3-SED-SMP	1552.5	2	9.6	12	840	4
Isophorone	0	9	2200	0	0	0	None	615	0		0		0
N-Nitroso-di-n-propylamine	0	9	2200	0	0	0	None	615	0	1	0	88	0
N-Nitroso-diphenylamine	0	9	2200	0	0	0	None	615	0	1400	0	130000	0
Naphthalene	5	14	1400	64	38	91 J	RM-SD-ES02-01	615	0	56000	0	1000000	0
Nitrobenzene	0	9	2200	0	0	0	None	615	0		0		0
Pentachlorophenol	0	9	5500	0	0	0	None	1500	0	1000	0	5100	0
perylene	4	4	270	270	110	630	E-3-SED-SMP		0		0		0
Phenanthrene	12	14	1900	740	130 J	2500 B	E-3-SED-SMP	1900	1	40000	0	1000000	0
Phenol	3	10	2000	360	130 J	770 J	RM-SD-ES02-01	615	1	800000	0	1000000	0
Pyrene	12	14	2700	1700	280	6200	E-3-SED-SMP	2485.5	2	40000	0	1000000	0
Total PAH	12	14	10000	11000	2155	36260	E-3-SED-SMP		0		0		0
Volatile Organic Compounds (µg/kg)													
1,1,1-Trichloroethane	0	5	14	0	0	0	None	9.875	0	40000	0	500000	0
1,1,2,2-Tetrachloroethane	0	5	14	0	0	0	None	9.875	0	100	0	3100	0
1,1,2-Trichloroethane	0	5	14	0	0	0	None	9.875	0	1000	0	11000	0
1,1-Dichloroethane	0	5	14	0	0	0	None	9.875	0	14000	0	500000	0
1,1-Dichloroethene	0	5	14	0	0	0	None	9.875	0	1400	0	1000	0
1,2-Dichloroethane	0	5	14	0	0	0	None	9.875	0	200	0	6700	0
1,2-Dichloroethene (total)	0	5	14	0	0	0	None		0	14000	0	500000	0
1,2-Dichloropropane	0	5	14	0	0	0	None	9.875	0		0		0
2-Butanone	4	6	53	73	30	130 J	RM-SD-ES06-02	9.875	4	80000	0	500000	0
2-Hexanone	0	5	14	0	0	0	None	9.875	0	56000	0	500000	0
4-Methyl-2-Pentanone	0	5	14	0	0	0	None	9.875	0	14000	0	500000	0
Acetone	3	7	110	240	98	490 J	RM-SD-ES06-02	30.25	3	140000	0	500000	0
Benzene	0	5	14	0	0	0	None	9.875	0	200	0	21000	0
Bromodichloromethane	0	5	14	0	0	0	None	9.875	0	110	0	9900	0
Bromoform	0	5	14	0	0	0	None	9.875	0	800	0	78000	0
Bromomethane	0	5	14	0	0	0	None	9.875	0		0		0
Carbon Disulfide	1	5	14	11	11 J	11 J	RM-SD-ES03-02	13.625	0	140000	0	500000	0
Carbon Tetrachloride	0	5	14	0	0	0	None	9.875	0		0		0
Chlorobenzene	0	5	14	0	0	0	None	9.875	0	20000	0	500000	0
Chloroethane	0	5	14	0	0	0	None	9.875	0	2400	0	210000	0
Chloroform	0	5	14	0	0	0	None	9.875	0	1200	0	100000	0
Chloromethane	1	5	13	8	8	8	RM-SD-ES01-01	9.875	0	540	0	47000	0
cis-1,3-Dichloropropene	0	5	14	0	0	0	None	9.875	0		0		0
Dibromochloromethane	0	5	14	0	0	0	None	9.875	0		0		0
Ethylbenzene	0	5	14	0	0	0	None	9.875	0	10100	0	500000	0
Methylene Chloride	0	5	14	0	0	0	None	9.875	0	1000	0	82000	0
Styrene	0	5	14	0	0	0	None	9.875	0	20000	0	500000	0
Tetrachloroethene	0	5	14	0	0	0	None	9.875	0	1000	0	12000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-11 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SEDIMENT
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Toluene	2	7	54	150	5 J	300	RM-SD-ES01-01	9.375	1	67000	0	500000	0
Total Xylenes	0	5	14	0	0	0	None	9.875	0	19500	0	500000	0
trans-1,3-Dichloropropene	0	5	14	0	0	0	None	9.875	0		0		0
Trichloroethene	0	5	14	0	0	0	None	9.875	0	1000	0	56000	0
Vinyl Chloride	0	5	14	0	0	0	None	9.875	0	400	0	320	0
Pestioides/PCBs (µg/kg)													
2,4'-DDD	0	4	2.3	0	0	0	None		0		0		0
2,4'-DDE	0	4	2.3	0	0	0	None		0		0		0
2,4'-DDT	0	4	2.3	0	0	0	None		0		0		0
4,4'-DDD	4	14	6.3	14	1.5 J	24	E-4-SED-SMP	2.3075	3	29	0	2600	0
4,4'-DDE	6	14	29	62	4	280 *	OU3-E-SD03-0002	1.035	6	21	3	1800	0
4,4'-DDT	2	14	3.5	5.6	0.14 J	11 J	RM-SD-ES03-01	1.98	1	21	0	1800	0
Aldrin	4	14	12	36	0.062 J	120 J	RM-SD-ES02-01	0.945	3	0.41	3	36	1
alpha-BHC	2	14	2	0.16	0.13 J	0.19 J	OU3-E-SD01-0002	1.4	0	1.1	0	97	0
alpha-Chlordane	6	14	53	120	0.28 J	360 *	OU3-E-SD03-0002	0.29425	5	66	3	490	0
Aroclor, Total	10	10	17000	17000	40.6	70000	OU3-E-SD03-0002	37.75	10		0		0
Aroclor, Total (Conservative)	10	10	18000	18000	173.1	70100.5	OU3-E-SD03-0002		0		0		0
Aroclor-1016	0	10	38	0	0	0	None	16.875	0		0	1000	0
Aroclor-1221	0	10	76	0	0	0	None	34.125	0		0		0
Aroclor-1232	0	10	38	0	0	0	None	16.875	0		0		0
Aroclor-1242	2	10	4800	24000	18000 J	30000 *	OU3-E-SD03-0002	16.875	2		0	1000	2
Aroclor-1248	0	10	38	0	0	0	None	16.875	0		0	1000	0
Aroclor-1254	8	10	12000	15000	36 J	40000 *	OU3-E-SD03-0002	16.875	8		0	1000	6
Aroclor-1260	0	10	38	0	0	0	None	16.875	0		0	1000	0
Aroclor-1262	3	10	300	940	110 J	2100	RM-SD-ES01-01	16.875	3		0	1000	1
Aroclor-1268	3	10	98	260	4.6 J	520	RM-SD-ES01-01	16.875	2		0	1000	0
beta-BHC	1	14	3.7	24	24	24	OU3-E-SD02-0002	0.8625	1	3.9	1	340	0
delta-BHC	1	14	2.1	4.2	4.25	4.25	RM-SD-ES01-01	0.8625	1	1.1	1	97	0
Dieldrin	4	14	19	59	0.67 J	230 *	OU3-E-SD03-0002	1.6875	3	7	1	38	1
Endosulfan I	5	14	26	69	1.1 J	330	RM-SD-ES02-01	0.8625	5	8400	0	410000	0
Endosulfan II	2	14	5	13	3.9	22	OU3-E-SD02-0002	0.98	2	8400	0	410000	0
Endosulfan Sulfate	4	14	4.2	5.2	0.091 J	20	OU3-E-SD03-0002	1.6875	1	8400	0	410000	0
Endrin	3	14	3.8	5.7	1.3 J	12	OU3-E-SD02-0002	1.1825	3	0	3	20000	0
Endrin Aldehyde	7	10	90	130	1.7 J	380 *	OU3-E-SD03-0002	1.1325	7	0	7	20000	0
Endrin Ketone	4	10	4.1	4.8	0.21 J	16 J	RM-SD-ES02-01	1.6875	2	0	4	20000	0
gamma-BHC	1	14	2.4	4.9	4.9	4.9	OU3-E-SD02-0002	0.79	1	40	0	20000	0
gamma-Chlordane	7	14	14	26	0.14 J	86 J	RM-SD-ES02-01	2.0375	5	66	2	490	0
Heptachlor	1	14	2.6	8	8	8	OU3-E-SD02-0002	0.7075	1	13	0	140	0
Heptachlor Epoxide	3	14	6.7	24	0.43 J	65	RM-SD-ES01-01	1.1125	2	20	1	67	0
Hexachlorobenzene	1	4	4.8	11	11	11	E-1-SED-SMP	615	0	1000	0	1000	0
Methoxychlor	1	14	16	0.37	0.37 J	0.37 J	RM-SD-ES06-02	6.825	0	8000	0	340000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-11 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SEDIMENT
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Mirex	0	4	2.3	0	0	0	None		0		0		0
Toxaphene	0	14	150	0	0	0	None	86.25	0	600	0	560	0
Total Organic Carbon (mg/kg)	7	7	100000	100000	2130 J	283000	E-2-SED-SMP		0		0		0
Total Organic Material (mg/kg)	4	4	390000	390000	163000	655000	E-2-SED-SMP		0		0		0
SUBSURFACE SEDIMENT													
Asbestos	0	3	0.05	0	0	0	None		0		0		0
Dioxins/Furans µg/kg)													
1,2,3,4,6,7,8-HpCDD	1	1	0.016	0.016	0.016	0.016	OU3-E-SD01-0204	0.11011	0		0		0
1,2,3,4,6,7,8-HpCDF	1	1	0.0038	0.0038	0.00375	0.00375	OU3-E-SD01-0204	0.043245	0		0		0
1,2,3,4,7,8,9-HpCDF	1	1	0.00013	0.00013	0.000131	0.000131	OU3-E-SD01-0204	0.00405375	0		0		0
1,2,3,4,7,8-HxCDD	1	1	0.00029	0.00029	0.00029	0.00029	OU3-E-SD01-0204	0.002915	0		0		0
1,2,3,4,7,8-HxCDF	1	1	0.00063	0.00063	0.000634	0.000634	OU3-E-SD01-0204	0.0024325	0		0		0
1,2,3,6,7,8-HxCDD	1	1	0.00057	0.00057	0.00057	0.00057	OU3-E-SD01-0204	0.00585625	0		0		0
1,2,3,6,7,8-HxCDF	1	1	0.00037	0.00037	0.000373	0.000373	OU3-E-SD01-0204	0.0018375	0		0		0
1,2,3,7,8,9-HxCDD	1	1	0.00099	0.00099	0.000992	0.000992	OU3-E-SD01-0204	0.003745	0		0		0
1,2,3,7,8,9-HxCDF	0	1	0.000065	0	0	0	None	0.00289875	0		0		0
1,2,3,7,8-PeCDD	1	1	0.00025	0.00025	0.000246	0.000246	OU3-E-SD01-0204	0.0013225	0		0		0
1,2,3,7,8-PeCDF	1	1	0.00032	0.00032	0.000324 EMPC	0.000324 EMPC	OU3-E-SD01-0204	0.0018125	0		0		0
2,3,4,6,7,8-HxCDF	1	1	0.00032	0.00032	0.000322	0.000322	OU3-E-SD01-0204	0.00224875	0		0		0
2,3,4,7,8-PeCDF	1	1	0.00032	0.00032	0.000323	0.000323	OU3-E-SD01-0204	0.00173375	0		0		0
2,3,7,8-TCDD	1	1	0.00011	0.00011	0.000112 EMPC	0.000112 EMPC	OU3-E-SD01-0204	0.0003725	0		0		0
2,3,7,8-TCDF	1	1	0.00078	0.00078	0.000779	0.000779	OU3-E-SD01-0204	0.00418625	0		0		0
OCDD	1	1	0.34	0.34	0.336	0.336	OU3-E-SD01-0204	1.6016375	0		0		0
OCDF	1	1	0.01	0.01	0.0102	0.0102	OU3-E-SD01-0204	0.115875	0		0		0
Total HpCDD	1	1	0.058	0.058	0.0581	0.0581	OU3-E-SD01-0204	0.2595375	0		0		0
Total HpCDF	1	1	0.0063	0.0063	0.00633	0.00633	OU3-E-SD01-0204	0.23091	0		0		0
Total HxCDD	1	1	0.022	0.022	0.0225	0.0225	OU3-E-SD01-0204	0.0254	0		0		0
Total HxCDF	1	1	0.0044	0.0044	0.00441	0.00441	OU3-E-SD01-0204	0.2633475	0		0		0
Total PeCDD	1	1	0.0019	0.0019	0.00188	0.00188	OU3-E-SD01-0204	0.0013225	1		0		0
Total PeCDF	1	1	0.0054	0.0054	0.00535	0.00535	OU3-E-SD01-0204	0.4017375	0		0		0
Total TCDD	1	1	0.0012	0.0012	0.00119	0.00119	OU3-E-SD01-0204	0.00277125	0		0		0
Total TCDF	1	1	0.0026	0.0026	0.00265	0.00265	OU3-E-SD01-0204	0.25400625	0		0		0
Toxicity Equivalency	1	1	0.0012	0.0012	0.00117163	0.001172	OU3-E-SD01-0204	0.00451775	0		0		0
Metals (mg/kg)													
Aluminum	3	3	20600	20600	19800	21600 J	OU3-E-SD03-0204	11485	3		0		0
Antimony	0	3	1	0	0	0	None	2.425	0		0	27	0
Arsenic	3	3	5.2	5.2	3.4 J	6.7	OU3-E-SD02-0204	7.4125	0		0	10	0
Barium	3	3	50.6	50.6	48.2 J	52.5	OU3-E-SD02-0204	32.4375	3		0	4700	0
Beryllium	3	3	1	1	0.95 J	1.2	OU3-E-SD03-0204	0.45375	3		0	2	0
Cadmium	0	3	0.2	0	0	0	None	0.30625	0		0	34	0
Calcium	3	3	3090	3090	2930	3240	OU3-E-SD01-0204	2031.5	3		0		0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-11 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SEDIMENT
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Chromium	3	3	33.9	33.9	28.8	37.3 J	OU3-E-SD01-0204	60.75	0		0	100	0
Cobalt	3	3	12.3	12.3	10.2	14.4	OU3-E-SD01-0204	8.675	3		0	1000	0
Copper	3	3	34.9	34.9	28.3 J	43.9	OU3-E-SD02-0204	160.75	0		0	2500	0
Iron	3	3	35600	35600	31500	38200	OU3-E-SD03-0204	22060	3		0		0
Lead	3	3	23.3	23.3	14.5 J	38.1	OU3-E-SD02-0204	71.825	0		0	500	0
Magnesium	3	3	8270	8270	7360 J	9820	OU3-E-SD01-0204	6247.5	3		0		0
Manganese	3	3	328	328	274	360	OU3-E-SD01-0204	206.125	3		0	1600	0
Mercury	0	3	0.14	0	0	0	None	0.6225	0		0	20	0
Nickel	3	3	22.7	22.7	20.1	26.6	OU3-E-SD01-0204	20.45	2		0	1400	0
Potassium	3	3	3310	3310	3010	3880 J	OU3-E-SD01-0204	2820	3		0		0
Selenium	0	3	1	0	0	0	None	0.94125	0		0	340	0
Silver	0	3	0.4	0	0	0	None	0.53	0		0	340	0
Sodium	3	3	3610	3610	2490 J	4410 J	OU3-E-SD01-0204	8315	0		0		0
Thallium	0	3	1.2	0	0	0	None	1.075	0		0	5.4	0
Vanadium	3	3	43.1	43.1	38.1 J	45.6	OU3-E-SD02-0204	36.05	3		0	470	0
Zinc	3	3	88.7	88.7	83	91.6 J	OU3-E-SD01-0204, OU3-E-SD03-0204	134.275	0		0	20000	0
Semivolatile Organic Compounds (µg/kg)													
1,2,4-Trichlorobenzene	0	3	120	0	0	0	None	615	0	14000	0	680000	0
1,2-Dichlorobenzene	0	3	120	0	0	0	None	615	0	3100	0	500000	0
1,3-Dichlorobenzene	0	3	120	0	0	0	None	615	0		0		0
1,4-Dichlorobenzene	0	3	120	0	0	0	None	615	0	15000	0	28000	0
2,2'-oxybis(1-Chloropropane)	0	3	120	0	0	0	None	615	0		0		0
2,4,5-Trichlorophenol	0	3	300	0	0	0	None	1500	0		0		0
2,4,6-Trichlorophenol	0	3	120	0	0	0	None	615	0		0		0
2,4-Dichlorophenol	0	3	120	0	0	0	None	615	0		0		0
2,4-Dimethylphenol	0	3	120	0	0	0	None	615	0	28000	0	1000000	0
2,4-Dinitrophenol	0	3	300	0	0	0	None	1500	0		0		0
2,4-Dinitrotoluene	0	3	120	0	0	0	None	615	0		0		0
2,6-Dinitrotoluene	0	3	120	0	0	0	None	615	0		0		0
2-Chloronaphthalene	0	3	120	0	0	0	None	615	0		0		0
2-Chlorophenol	0	3	120	0	0	0	None	615	0		0		0
2-Methylnaphthalene	0	3	120	0	0	0	None	615	0	56000	0	1000000	0
2-Methylphenol	0	3	120	0	0	0	None	615	0	70000	0	1000000	0
2-Nitroaniline	0	3	300	0	0	0	None	1500	0		0		0
2-Nitrophenol	0	3	120	0	0	0	None	615	0		0		0
3,3'-Dichlorobenzidine	0	3	120	0	0	0	None	615	0	16	0	1400	0
3-Nitroaniline	0	3	300	0	0	0	None	1500	0		0		0
4,6-Dinitro-2-methylphenol	0	3	300	0	0	0	None	1500	0		0		0
4-Bromophenyl-phenylether	0	3	120	0	0	0	None	615	0	82000	0	500000	0
4-Chloro-3-methylphenol	0	3	120	0	0	0	None	615	0	0	0	0	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-11 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SEDIMENT
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
4-Chloroaniline	0	3	120	0	0	0	None	615	0	5600	0	270000	0
4-Chlorophenyl-phenylether	0	3	120	0	0	0	None	615	0		0		0
4-Methylphenol	0	3	120	0	0	0	None	615	0	7000	0	340000	0
4-Nitroaniline	0	3	300	0	0	0	None	1500	0	4200	0	200000	0
4-Nitrophenol	0	3	300	0	0	0	None	1500	0	11000	0	540000	0
Acenaphthene	0	3	120	0	0	0	None	615	0	84000	0	1000000	0
Acenaphthylene	0	3	120	0	0	0	None	615	0	84000	0	1000000	0
Benzo(a)anthracene	1	3	120	110	110	110	OU3-E-SD02-0204	2015	0	1000	0	1000	0
Benzo(a)pyrene	1	3	120	110	110	110	OU3-E-SD02-0204	1702.5	0	1000	0	1000	0
Benzo(b)fluoranthene	2	3	88	74	39 J	110	OU3-E-SD02-0204	3291.25	0	1000	0	1000	0
Benzo(g,h,i)perylene	0	3	120	0	0	0	None	927.5	0	40000	0	1000000	0
Benzo(k)fluoranthene	2	3	87	74	37 J	110	OU3-E-SD02-0204	615	0	1000	0	8400	0
Bis(2-Chloroethoxy)methane	0	3	120	0	0	0	None	615	0		0		0
Bis(2-Chloroethyl)ether	0	3	120	0	0	0	None	615	0		0		0
bis(2-Ethylhexyl)phthalate	0	3	120	0	0	0	None	617.5	0	11000	0	44000	0
Butylbenzylphthalate	0	3	120	0	0	0	None	615	0	200000	0	1000000	0
Carbazole	0	3	120	0	0	0	None	527.5	0	360	0	31000	0
Chrysene	1	3	100	70	70	70	OU3-E-SD02-0204	1937.5	0	960	0	84000	0
Di-n-Butylphthalate	0	3	120	0	0	0	None	615	0	140000	0	1000000	0
Di-n-octylphthalate	0	3	120	0	0	0	None	615	0	20000	0	1000000	0
Dibenzo(a,h)anthracene	0	3	120	0	0	0	None	752.5	0	0.96	0	84	0
Dibenzofuran	0	3	120	0	0	0	None	615	0	5600	0	270000	0
Diethylphthalate	0	3	120	0	0	0	None	615	0	1100000	0	1000000	0
Dimethylphthalate	0	3	120	0	0	0	None	615	0	14000000	0	1000000	0
Fluoranthene	2	3	84	68	37 J	100	OU3-E-SD02-0204	3770.75	0	56000	0	1000000	0
Fluorene	0	3	120	0	0	0	None	615	0	56000	0	1000000	0
Hexachlorobenzene	0	3	120	0	0	0	None	615	0	1000	0	1000	0
Hexachlorobutadiene	0	3	120	0	0	0	None	615	0		0		0
Hexachloroethane	0	3	120	0	0	0	None	615	0		0		0
Indeno(1,2,3-cd)pyrene	1	3	120	110	110	110	OU3-E-SD02-0204	1552.5	0	9.6	1	840	0
Isophorone	0	3	120	0	0	0	None	615	0		0		0
N-Nitroso-di-n-propylamine	0	3	120	0	0	0	None	615	0	1	0	88	0
N-Nitroso-diphenylamine	0	3	120	0	0	0	None	615	0	1400	0	130000	0
Naphthalene	0	3	120	0	0	0	None	615	0	56000	0	1000000	0
Nitrobenzene	0	3	120	0	0	0	None	615	0		0		0
Pentachlorophenol	0	3	300	0	0	0	None	1500	0	1000	0	5100	0
Phenanthrene	1	3	120	110	110	110	OU3-E-SD02-0204	1900	0	40000	0	1000000	0
Phenol	0	3	120	0	0	0	None	615	0	800000	0	1000000	0
Pyrene	2	3	83	66	33 J	100	OU3-E-SD02-0204	2485.5	0	40000	0	1000000	0
Total PAH	2	3	400	540	146	930	OU3-E-SD02-0204		0		0		0
Pesticides/PCBs (µg/kg)													

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-11 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SEDIMENT
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
4,4'-DDD	0	3	1.2	0	0	0	None	2.3075	0	29	0	2600	0
4,4'-DDE	3	3	49	49	0.76 J	140 *	OU3-E-SD03-0204	1.035	2	21	1	1800	0
4,4'-DDT	0	3	1.2	0	0	0	None	1.98	0	21	0	1800	0
Aldrin	2	3	4	5.7	0.36 J	11	OU3-E-SD02-0204	0.945	1	0.41	1	38	0
alpha-BHC	0	3	0.62	0	0	0	None	1.4	0	1.1	0	97	0
alpha-Chlordane	1	3	3.2	8.5	8.5	8.5	OU3-E-SD02-0204	0.29425	1	66	0	490	0
Aroclor, Total	2	3	6300	9500	1000	18000	OU3-E-SD03-0204	37.75	2		0		0
Aroclor, Total (Conservative)	2	3	6400	9600	1108.5	18113	OU3-E-SD03-0204		0		0		0
Aroclor-1016	0	3	12	0	0	0	None	16.875	0		0	1000	0
Aroclor-1221	0	3	24	0	0	0	None	34.125	0		0		0
Aroclor-1232	0	3	12	0	0	0	None	16.875	0		0		0
Aroclor-1242	0	3	12	0	0	0	None	16.875	0		0	1000	0
Aroclor-1248	0	3	12	0	0	0	None	16.875	0		0	1000	0
Aroclor-1254	2	3	6300	9500	1000	18000 *	OU3-E-SD03-0204	16.875	2		0	1000	1
Aroclor-1260	0	3	12	0	0	0	None	16.875	0		0	1000	0
Aroclor-1262	0	3	12	0	0	0	None	16.875	0		0	1000	0
Aroclor-1268	0	3	12	0	0	0	None	16.875	0		0	1000	0
beta-BHC	1	3	2.6	6.5	6.5	6.5	OU3-E-SD02-0204	0.8625	1	3.9	1	340	0
delta-BHC	0	3	0.62	0	0	0	None	0.8625	0	1.1	0	97	0
Dieldrin	3	3	30	30	0.15 J	84 *	OU3-E-SD03-0204	1.6875	2	7	1	38	1
Endosulfan I	3	3	11	11	0.28 J	31 *	OU3-E-SD03-0204	0.8625	2	8400	0	410000	0
Endosulfan II	3	3	28	28	0.6 J	74 *	OU3-E-SD03-0204	0.98	2	8400	0	410000	0
Endosulfan Sulfate	3	3	7.9	7.9	0.43 J	22	OU3-E-SD03-0204	1.6875	1	8400	0	410000	0
Endrin	3	3	6.2	6.2	0.3 J	17 *	OU3-E-SD03-0204	1.1825	2	0	3	20000	0
Endrin Aldehyde	3	3	36	36	1.1 J	95 *	OU3-E-SD03-0204	1.1325	2	0	3	20000	0
Endrin Ketone	0	3	1.2	0	0	0	None	1.6875	0	0	0	20000	0
gamma-BHC	3	3	0.96	0.96	0.051 J	2.1	OU3-E-SD02-0204	0.79	1	40	0	20000	0
gamma-Chlordane	3	3	7.4	7.4	0.6 J	18	OU3-E-SD03-0204	2.0375	2	66	0	490	0
Heptachlor	1	3	1.9	4.6	4.6	4.6	OU3-E-SD03-0204	0.7075	1	13	0	140	0
Heptachlor Epoxide	3	3	17	17	0.073 J	49 *	OU3-E-SD03-0204	1.1125	2	20	1	67	0
Methoxychlor	0	3	6.2	0	0	0	None	6.825	0	8000	0	340000	0
Toxaphene	0	3	62	0	0	0	None	86.25	0	600	0	560	0
Total Organic Carbon (mg/kg)	3	3	57000	57000	22100 J	75800 J	OU3-E-SD02-0204		0		0		0

Notes: CT PMC - State of Connecticut Pollutant Mobility Criteria for GB Aquifers
CT DEC - State of Connecticut Direct Exposure Criteria for Residential Soils
CT AWQC - State of Connecticut Ambient Water Quality Criteria (water and organism)
J - Quantitation Approximate
* - The number of samples analyzed does not include results that were rejected during the data validation process.

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-12
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SURFACE WATER
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT AWQC	Number of Exceedances of CT AWQC
Metals (µg/l)											
Aluminum	4	6	8740	13000	3460 J	23000	RM-SW-ES06-02	156.36875	4		0
Antimony	0	6	2.5	0	0	0	None	4.3625	0	14	0
Arsenic	2	6	11.7	27.1	11.3 J	42.9	RM-SW-ES07-02	14.3125	1	0.018	2
Barium	6	6	61.8	61.8	18.9	181	RM-SW-ES07-02	17.09375	6		0
Beryllium	0	6	0.53	0	0	0	None	0.45625	0	0.0077	0
Cadmium	1	6	1.2	2.3	2.3 J	2.3 J	RM-SW-ES07-02	0.9625	1	16	0
Calcium	6	6	43300	43300	19700	80100	RM-SW-ES03-02	219687.5	0		0
Chromium	2	6	21.3	53.8	6.5 J	101	RM-SW-ES07-02	4.975	2	170	0
Cobalt	3	6	5.2	9.4	3.4 J	15.2	RM-SW-ES07-02	1.19375	3		0
Copper	5	6	111	132	44.4	389	RM-SW-ES07-02	19.75	10		0
Iron	6	6	16700	16700	516	44900	RM-SW-ES07-02	698.25	5		0
Lead	5	6	139	166	26.8 J	642	RM-SW-ES07-02	3.9375	10	50	3
Magnesium	6	6	44400	44400	9300	97500	RM-SW-ES03-02	691312.5	0		0
Manganese	6	6	689	689	506	998	RM-SW-ES02-02	134.65	6		0
Mercury	0	6	0.11	0	0	0	None	0.14875	0	0.14	0
Nickel	4	6	26.2	36.8	11.8 J	63.6	RM-SW-ES07-02	4.6	4	610	0
Potassium	6	6	12800	12800	6220	25300 J	RM-SW-ES03-02	344000	0		0
Selenium	0	6	2.3	0	0	0	None	5.125	0	100	0
Silver	2	6	3.4	7.2	7	7.4	RM-SW-ES07-02	5.06875	2	105	0
Sodium	6	6	263000	263000	45500	563000	RM-SW-ES03-02	6916125	0		0
Thallium	0	6	3.5	0	0	0	None	10.20625	0	1.7	0
Vanadium	4	6	32.9	48.9	8	152	RM-SW-ES07-02	2.08125	4		0
Zinc	5	6	222	266	43.6	573 J	RM-SW-ES03-02	30.09375	5		0
Semivolatile Organic Compounds (µg/l)											
1,2,4-Trichlorobenzene	0	6	5	0	0	0	None	5	0		0
1,2-Dichlorobenzene	0	6	5	0	0	0	None	5	0	2700	0
1,3-Dichlorobenzene	0	6	5	0	0	0	None	5	0		0
1,4-Dichlorobenzene	0	6	5	0	0	0	None	5	0	400	0
2,2'-oxybis(1-Chloropropane)	0	6	5	0	0	0	None	5	0		0
2,4,5-Trichlorophenol	0	6	12	0	0	0	None	12.5	0		0
2,4,6-Trichlorophenol	0	6	5	0	0	0	None	5	0		0
2,4-Dichlorophenol	0	6	5	0	0	0	None	5	0		0
2,4-Dimethylphenol	0	6	5	0	0	0	None	5	0		0
2,4-Dinitrophenol	0	6	12	0	0	0	None	12.5	0		0
2,4-Dinitrotoluene	0	6	5	0	0	0	None	5	0		0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-12 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SURFACE WATER
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT AWQC	Number of Exceedances of CT AWQC
2,6-Dinitrotoluene	0	6	5	0	0	0	None	5	0		0
2-Chloronaphthalene	0	6	5	0	0	0	None	5	0		0
2-Chlorophenol	0	6	5	0	0	0	None	5	0		0
2-Methylnaphthalene	0	6	5	0	0	0	None	5	0		0
2-Methylphenol	0	6	5	0	0	0	None	5	0		0
2-Nitroaniline	0	6	12	0	0	0	None	12.5	0		0
2-Nitrophenol	0	6	5	0	0	0	None	5	0		0
3,3'-Dichlorobenzidine	0	6	5	0	0	0	None	5	0	0.04	0
3-Nitroaniline	0	6	12	0	0	0	None	9.375	0		0
4,6-Dinitro-2-methylphenol	0	6	12	0	0	0	None	12.5	0		0
4-Bromophenyl-phenylether	0	6	5	0	0	0	None	5	0		0
4-Chloro-3-methylphenol	0	6	5	0	0	0	None	5	0		0
4-Chloroaniline	0	6	5	0	0	0	None	5	0		0
4-Chlorophenyl-phenylether	0	6	5	0	0	0	None	5	0		0
4-Methylphenol	0	6	5	0	0	0	None	5	0		0
4-Nitroaniline	0	6	12	0	0	0	None	12.5	0		0
4-Nitrophenol	0	6	12	0	0	0	None	12.5	0		0
Acenaphthene	0	6	5	0	0	0	None	5	0		0
Acenaphthylene	0	6	5	0	0	0	None	5	0	0.0028	0
Anthracene	0	6	5	0	0	0	None	5	0	9600	0
Benzo(a)anthracene	0	6	5	0	0	0	None	5	0	0.0028	0
Benzo(a)pyrene	0	6	5	0	0	0	None	5	0	0.0028	0
Benzo(b)fluoranthene	0	6	5	0	0	0	None	5	0	0.0028	0
Benzo(g,h,i)perylene	0	6	5	0	0	0	None	5	0	0.0028	0
Benzo(k)fluoranthene	0	6	5	0	0	0	None	5	0	0.0028	0
Bis(2-Chloroethoxy)methane	0	6	5	0	0	0	None	5	0		0
Bis(2-Chloroethyl)ether	0	6	5	0	0	0	None	5	0		0
bis(2-Ethylhexyl)phthalate	1	6	5	4	3.5	3.5	RM-SW-ES02-02	5	0	1.8	1
Butylbenzylphthalate	0	6	5	0	0	0	None	5	0		0
Carbazole	0	6	5	0	0	0	None	5	0		0
Chrysene	0	6	5	0	0	0	None	5	0	0.0028	0
Di-n-Butylphthalate	0	6	5	0	0	0	None	5	0	2700	0
Di-n-octylphthalate	0	6	5	0	0	0	None	5	0		0
Dibenzo(a,h)anthracene	0	6	5	0	0	0	None	5	0	0.0028	0
Dibenzofuran	0	6	5	0	0	0	None	5	0		0
Diethylphthalate	0	6	5	0	0	0	None	5	0	23000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-12 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SURFACE WATER
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT AWQC	Number of Exceedances of CT AWQC
Dimethylphthalate	0	6	5	0	0	0	None	5	0	313000	0
Fluoranthene	0	6	5	0	0	0	None	5	0	300	0
Fluorene	0	6	5	0	0	0	None	5	0	1300	0
Hexachlorobenzene	0	6	5	0	0	0	None	5	0	0.00075	0
Hexachlorobutadiene	0	6	5	0	0	0	None	5	0		0
Hexachlorocyclopentadiene	0	6	5	0	0	0	None	5	0		0
Hexachloroethane	0	6	5	0	0	0	None	5	0		0
Indeno(1,2,3-cd)pyrene	0	6	5	0	0	0	None	5	0	0.0028	0
Isophorone	0	6	5	0	0	0	None	5	0		0
N-Nitroso-di-n-propylamine	0	6	5	0	0	0	None	5	0		0
N-Nitroso-diphenylamine	0	6	5	0	0	0	None	5	0	5	0
Naphthalene	0	6	5	0	0	0	None	5	0		0
Nitrobenzene	0	6	5	0	0	0	None	5	0		0
Pentachlorophenol	0	6	12	0	0	0	None	12.5	0	0.28	0
Phenanthrene	0	6	5	0	0	0	None	5	0	0.0028	0
Phenol	0	6	5	0	0	0	None	5	0	21000	0
Pyrene	0	6	5	0	0	0	None	5	0	960	0
Total PAH	0	6	5	0	0	0	None		0		0
Volatile Organic Compounds (µg/l)											
1,1,1-Trichloroethane	0	6	5	0	0	0	None	5	0	3100	0
1,1,2,2-Tetrachloroethane	0	6	5	0	0	0	None	5	0	0.17	0
1,1,2-Trichloroethane	0	6	5	0	0	0	None	5	0	0.6	0
1,1-Dichloroethane	0	6	5	0	0	0	None	5	0		0
1,1-Dichloroethene	0	6	5	0	0	0	None	5	0	0.057	0
1,2-Dichloroethane	0	6	5	0	0	0	None	5	0	0.38	0
1,2-Dichloroethene (total)	0	6	5	0	0	0	None		0		0
1,2-Dichloropropane	0	6	5	0	0	0	None	5	0		0
2-Butanone	0	6	5	0	0	0	None	5	0		0
2-Hexanone	0	6	5	0	0	0	None	5	0		0
4-Methyl-2-Pentanone	0	6	5	0	0	0	None	5	0		0
Acetone	1	6	6	14	14	14	RM-SW-ES02-01	6.125	1		0
Benzene	0	6	5	0	0	0	None	5	0	1.2	0
Bromodichloromethane	0	6	5	0	0	0	None	5	0	0.27	0
Bromoform	0	6	5	0	0	0	None	5	0	4.3	0
Bromomethane	0	6	5	0	0	0	None	5	0		0
Carbon Disulfide	0	6	5	0	0	0	None	4.75	0		0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-12 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SURFACE WATER
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT AWQC	Number of Exceedances of CT AWQC
Carbon Tetrachloride	0	6	5	0	0	0	None	5	0		0
Chlorobenzene	0	6	5	0	0	0	None	5	0	680	0
Chloroethane	0	6	5	0	0	0	None	5	0		0
Chloroform	0	6	5	0	0	0	None	5	0	5.7	0
Chloromethane	0	6	5	0	0	0	None	5	0	5.7	0
cis-1,3-Dichloropropene	0	6	5	0	0	0	None	5	0		0
Dibromochloromethane	0	6	5	0	0	0	None	5	0		0
Ethylbenzene	0	6	5	0	0	0	None	5	0	3100	0
Methylene Chloride	0	6	5	0	0	0	None	5	0	4.7	0
Styrene	1	6	5	7	7 J	7 J	RM-SW-ES06-02	5	1		0
Tetrachloroethene	0	6	5	0	0	0	None	5	0	0.8	0
Toluene	0	6	5	0	0	0	None	5	0	6800	0
Total Xylenes	0	6	5	0	0	0	None	5	0		0
trans-1,3-Dichloropropene	0	6	5	0	0	0	None	5	0		0
Trichloroethene	0	6	5	0	0	0	None	5	0	2.7	0
Vinyl Chloride	0	6	5	0	0	0	None	5	0	2	0
Pesticides/PCBs (µg/l)											
4,4'-DDD	0	6	0.05	0	0	0	None	0.05	0	0.00083	0
4,4'-DDE	0	6	0.05	0	0	0	None	0.05	0	0.00059	0
4,4'-DDT	0	6	0.05	0	0	0	None	0.125	0	0.00059	0
Aldrin	0	6	0.025	0	0	0	None	0.025	0	0.00013	0
alpha-BHC	1	6	0.021	0.0011	0.0011 J	0.0011 J	RM-SW-ES03-02	0.0222375	0	0.0039	0
alpha-Chlordane	5	6	0.031	0.033	0.0027 J	0.09	RM-SW-ES06-02	0.0220375	2	0.00057	5
Aroclor, Total	5	6	1.6	1.9	0.21	4.7	RM-SW-ES06-02	0.7625	3	0.000044	10
Aroclor, Total (Conservative)	5	6	4.2	4.9	2.46	6.95	RM-SW-ES06-02		0		0
Aroclor-1016	0	6	0.33	0	0	0	None	0.53125	0	0.000044	0
Aroclor-1221	0	6	0.67	0	0	0	None	0.5	0		0
Aroclor-1232	0	6	0.33	0	0	0	None	0.34375	0		0
Aroclor-1242	0	6	0.33	0	0	0	None	0.34375	0	0.000044	0
Aroclor-1248	0	6	0.33	0	0	0	None	0.34375	0	0.000044	0
Aroclor-1254	5	6	1.6	1.8	0.21 J	4.7	RM-SW-ES06-02	0.34375	3	0.000044	5
Aroclor-1260	0	6	0.33	0	0	0	None	0.34375	0	0.000044	0
Aroclor-1262	0	6	0.33	0	0	0	None	0.34375	0	0.000044	0
Aroclor-1268	1	6	0.29	0.26	0.26	0.26	RM-SW-ES01-01	0.34375	0	0.000044	1
beta-BHC	0	6	0.025	0	0	0	None	0.025	0	0.014	0
delta-BHC	0	6	0.025	0	0	0	None	0.025	0		0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-12 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SURFACE WATER
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT AWQC	Number of Exceedances of CT AWQC
Dieldrin	0	6	0.042	0	0	0	None	0.05	0	0.00014	0
Endosulfan I	0	6	0.025	0	0	0	None	0.025	0	0.93	0
Endosulfan II	0	6	0.05	0	0	0	None	0.05	0	0.93	0
Endosulfan Sulfate	0	6	0.05	0	0	0	None	0.05	0	0.93	0
Endrin	0	6	0.05	0	0	0	None	0.05	0	0.76	0
Endrin Aldehyde	0	6	0.05	0	0	0	None	0.040625	0	0.76	0
Endrin Ketone	0	6	0.05	0	0	0	None	0.05	0		0
gamma-BHC	0	6	0.025	0	0	0	None	0.0235	0	0.019	0
gamma-Chlordane	1	6	0.023	0.013	0.013 J	0.013 J	RM-SW-ES06-02	0.953125	0	0.00057	1
Heptachlor	0	6	0.025	0	0	0	None	0.025	0	0.00021	0
Heptachlor Epoxide	1	6	0.027	0.039	0.039 J	0.039 J	RM-SW-ES02-01	0.0220625	1	0.0001	1
Methoxychlor	0	6	0.25	0	0	0	None	0.15	0		0
Toxaphene	0	6	2.5	0	0	0	None	1.75	0	0.00073	0

Notes: CT PMC - State of Connecticut Pollutant Mobility Criteria for GB Aquifers
CT DEC - State of Connecticut Direct Exposure Criteria for Residential Soils
CT AWQC - State of Connecticut Ambient Water Quality Criteria (water and organism)
J - Quantitation Approximate
* - The number of samples analyzed does not include results that were rejected during the data validation process.

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-13
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Dioxins/Furans µg/kg)													
1,2,3,7,8-PeCDD	0	1	0.02	0	0	0	None		0		0		0
1,2,3,7,8-PeCDF	0	1	0.011	0	0	0	None		0		0		0
2,3,4,7,8-PeCDF	0	1	0.01	0	0	0	None		0		0		0
2,3,7,8-TCDD	0	1	0.0055	0	0	0	None		0		0		0
2,3,7,8-TCDF	0	1	0.0034	0	0	0	None		0		0		0
OCDD	0	1	22.4	0	0	0	None		0		0		0
Total HpCDD	0	1	0.005	0	0	0	None		0		0		0
Total HpCDF	0	1	0.005	0	0	0	None		0		0		0
Total HxCDD	0	1	0.02	0	0	0	None		0		0		0
Total HxCDF	0	1	0.005	0	0	0	None		0		0		0
Total PeCDD	0	1	0.24	0	0	0	None		0		0		0
Total PeCDF	0	1	0.01	0	0	0	None		0		0		0
Total TCDD	0	1	2.2	0	0	0	None		0		0		0
Total TCDF	0	1	0.01	0	0	0	None		0		0		0
Toxicity Equivalency	0	1	0.017	0	0	0	None		0		0		0
Metals(mg/kg)													
Aluminum	1	1	13400	13400	13400	13400	ES1100AC-002(0.5-1.0)	12917.58974	1		0		0
Antimony	0	1	5.3	0	0	0	None	2.857692308	0		0	27	0
Arsenic	1	1	4.4	4.4	4.4 J	4.4 J	ES1100AC-002(0.5-1.0)	5.674871795	0		0	10	0
Barium	1	1	36.2	36.2	36.2 J	36.2 J	ES1100AC-002(0.5-1.0)	57.46666667	0		0	4700	0
Beryllium	1	1	0.74	0.74	0.74 J	0.74 J	ES1100AC-002(0.5-1.0)	0.718974359	1		0	2	0
Cadmium	0	1	0.3	0	0	0	None	0.396538462	0		0	34	0
Calcium	1	1	2850	2850	2850 J	2850 J	ES1100AC-002(0.5-1.0)	1597.615385	1		0		0
Chromium	0	1	13.5	0	0	0	None	16.97179487	0		0	100	0
Cobalt	1	1	11.7	11.7	11.7	11.7	ES1100AC-002(0.5-1.0)	6.348717949	1		0	1000	0
Copper	1	1	35.4	35.4	35.4	35.4	ES1100AC-002(0.5-1.0)	28.79358974	1		0	2500	0
Iron	1	1	19400	19400	19400 J	19400 J	ES1100AC-002(0.5-1.0)	16045.12821	1		0		0
Lead	1	1	5.9	5.9	5.9 *J	5.9 *J	ES1100AC-002(0.5-1.0)	80.75897436	0		0	500	0
Magnesium	1	1	5610	5610	5610	5610	ES1100AC-002(0.5-1.0)	3251.487179	1		0		0
Manganese	1	1	322	322	322	322	ES1100AC-002(0.5-1.0)	306.3948718	1		0	1600	0
Mercury	0	1	0.04	0	0	0	None	0.110512821	0		0	20	0
Nickel	1	1	20.1	20.1	20.1 J	20.1 J	ES1100AC-002(0.5-1.0)	12.51666667	1		0	1400	0
Potassium	0	1	795	0	0	0	None	961.1371795	0		0		0
Selenium	0	1	0.16	0	0	0	None	0.498846154	0		0	340	0
Silver	0	1	0.36	0	0	0	None	0.507820513	0		0	340	0
Sodium	0	1	152	0	0	0	None	76.42820513	0		0		0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-13 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Thallium	1	1	0.24	0.24	0.24 J	0.24 J	ES1100AC-002(0.5-1.0)	0.367820513	0		0	5.4	0
Vanadium	1	1	50.3	50.3	50.3	50.3	ES1100AC-002(0.5-1.0)	34.21153846	1		0	470	0
Zinc	1	1	35.6	35.6	35.6 J	35.6 J	ES1100AC-002(0.5-1.0)	112.3230769	0		0	20000	0
Semivolatile Organic Compounds (µg/kg)													
1,2,4-Trichlorobenzene	0	1	180	0	0	0	None		0	14000	0	680000	0
1,2-Dichlorobenzene	0	1	180	0	0	0	None		0	3100	0	500000	0
1,3-Dichlorobenzene	0	1	180	0	0	0	None		0		0		0
1,4-Dichlorobenzene	0	1	180	0	0	0	None		0	15000	0	26000	0
2,2'-oxybis(1-Chloropropane)	0	1	180	0	0	0	None		0		0		0
2,4,5-Trichlorophenol	0	1	430	0	0	0	None		0		0		0
2,4,6-Trichlorophenol	0	1	180	0	0	0	None		0		0		0
2,4-Dichlorophenol	0	1	180	0	0	0	None		0		0		0
2,4-Dimethylphenol	0	1	180	0	0	0	None		0	28000	0	1000000	0
2,4-Dinitrophenol	0	1	430	0	0	0	None		0		0		0
2,4-Dinitrotoluene	0	1	180	0	0	0	None		0		0		0
2,6-Dinitrotoluene	0	1	180	0	0	0	None		0		0		0
2-Chloronaphthalene	0	1	180	0	0	0	None		0		0		0
2-Chlorophenol	0	1	180	0	0	0	None		0		0		0
2-Methylnaphthalene	0	1	180	0	0	0	None		0	56000	0	1000000	0
2-Methylphenol	0	1	180	0	0	0	None		0	70000	0	1000000	0
2-Nitroaniline	0	1	430	0	0	0	None		0		0		0
2-Nitrophenol	0	1	180	0	0	0	None		0		0		0
3,3'-Dichlorobenzidine	0	1	180	0	0	0	None		0	16	0	1400	0
3-Nitroaniline	0	1	430	0	0	0	None		0		0		0
4,6-Dinitro-2-methylphenol	0	1	430	0	0	0	None		0		0		0
4-Bromophenyl-phenylether	0	1	180	0	0	0	None		0	82000	0	500000	0
4-Chloro-3-methylphenol	0	1	180	0	0	0	None		0	0	0	0	0
4-Chloroaniline	0	1	180	0	0	0	None		0	5600	0	270000	0
4-Chlorophenyl-phenylether	0	1	180	0	0	0	None		0		0		0
4-Methylphenol	0	1	180	0	0	0	None		0	7000	0	340000	0
4-Nitroaniline	0	1	430	0	0	0	None		0	4200	0	200000	0
4-Nitrophenol	0	1	430	0	0	0	None		0	11000	0	540000	0
Acenaphthene	0	1	180	0	0	0	None		0	84000	0	1000000	0
Acenaphthylene	0	1	180	0	0	0	None		0	84000	0	1000000	0
Anthracene	0	1	180	0	0	0	None		0	400000	0	1000000	0
Benzo(a)anthracene	0	1	180	0	0	0	None		0	1000	0	1000	0
Benzo(a)pyrene	0	1	180	0	0	0	None		0	1000	0	1000	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-13 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
Benzo(b)fluoranthene	1	1	33	33	33 J	33 J	ES1100AC-002(0.5-1.0)		0	1000	0	1000	0
Benzo(g,h,i)perylene	0	1	180	0	0	0	None		0	40000	0	1000000	0
Benzo(k)fluoranthene	0	1	180	0	0	0	None		0	1000	0	8400	0
Bis(2-Chloroethoxy)methane	0	1	180	0	0	0	None		0		0		0
Bis(2-Chloroethyl)ether	0	1	180	0	0	0	None		0		0		0
bis(2-Ethylhexyl)phthalate	0	1	180	0	0	0	None		0	11000	0	44000	0
Butylbenzylphthalate	1	1	19	19	19 J	19 J	ES1100AC-002(0.5-1.0)		0	200000	0	1000000	0
Carbazole	0	1	180	0	0	0	None		0	360	0	31000	0
Chrysene	1	1	19	19	19 J	19 J	ES1100AC-002(0.5-1.0)		0	960	0	84000	0
Di-n-Butylphthalate	0	1	180	0	0	0	None		0	140000	0	1000000	0
Di-n-octylphthalate	0	1	180	0	0	0	None		0	20000	0	1000000	0
Dibenzo(a,h)anthracene	0	1	180	0	0	0	None		0	0.96	0	84	0
Dibenzofuran	0	1	180	0	0	0	None		0	5600	0	270000	0
Diethylphthalate	0	1	180	0	0	0	None		0	1100000	0	1000000	0
Dimethylphthalate	0	1	180	0	0	0	None		0	14000000	0	1000000	0
Fluoranthene	1	1	21	21	21 J	21 J	ES1100AC-002(0.5-1.0)		0	56000	0	1000000	0
Fluorene	0	1	180	0	0	0	None		0	56000	0	1000000	0
Hexachlorobenzene	0	1	180	0	0	0	None		0	1000	0	1000	0
Hexachlorobutadiene	0	1	180	0	0	0	None		0		0		0
Hexachlorocyclopentadiene	0	1	180	0	0	0	None		0		0		0
Hexachloroethane	0	1	180	0	0	0	None		0		0		0
Indeno(1,2,3-cd)pyrene	0	1	180	0	0	0	None		0	9.6	0	840	0
Isophorone	0	1	180	0	0	0	None		0		0		0
N-Nitroso-di-n-propylamine	0	1	180	0	0	0	None		0	1	0	88	0
N-Nitroso-diphenylamine	0	1	180	0	0	0	None		0	1400	0	130000	0
Naphthalene	0	1	180	0	0	0	None		0	56000	0	1000000	0
Nitrobenzene	0	1	180	0	0	0	None		0		0		0
Pentachlorophenol	0	1	430	0	0	0	None		0	1000	0	5100	0
Phenanthrene	0	1	180	0	0	0	None		0	40000	0	1000000	0
Phenol	0	1	180	0	0	0	None		0	800000	0	1000000	0
Pyrene	1	1	28	28	28 J	28 J	ES1100AC-002(0.5-1.0)		0	40000	0	1000000	0
Total PAH	1	1	100	100	101	101	ES1100AC-002(0.5-1.0)		0		0		0
Pesticides/PCBs (µg/kg)													
4,4'-DDD	0	1	1.8	0	0	0	None	4.595833333	0	29	0	2600	0
4,4'-DDE	1	1	1.8	1.8	1.8 J	1.8 J	ES1100AC-002(0.5-1.0)	16.71388889	0	21	0	1800	0
4,4'-DDT	0	1	1.8	0	0	0	None	29.09305556	0	21	0	1800	0
Aldrin	0	1	0.95	0	0	0	None	2.411111111	0	0.41	0	36	0

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-13 (cont.)
SUMMARY STATISTICS AND COMPARISON TO CRITERIA - AREA E - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Parameter	Positive Detections	Number of Samples Analyzed *	Average Conc.	Average Detected Conc.	Minimum Detected Conc.	Maximum Detected Conc.	Location of Max. Detection	Raymark Average Background Conc.	Number of Exceedances of Raymark Ave. Background	CT PMC	Number of Exceedances of CT PMC	CT DEC	Number of Exceedances of CT DEC
alpha-BHC	0	1	0.95	0	0	0	None	2.411111111	0	1.1	0	97	0
alpha-Chlordane	1	1	1.2	1.2	1.2 J	1.2 J	ES1100AC-002(0.5-1.0)	4.880555556	0	66	0	490	0
Aroclor, Total	1	1	6.8	6.8	6.8	6.8	ES1100AC-002(0.5-1.0)		0		0		0
Aroclor, Total (Conservative)	1	1	170	170	173.3	173.3	ES1100AC-002(0.5-1.0)		0		0		0
Aroclor-1016	0	1	18	0	0	0	None	49.93243243	0		0	1000	0
Aroclor-1221	0	1	37	0	0	0	None	93.02702703	0		0		0
Aroclor-1232	0	1	18	0	0	0	None	47.05405405	0		0		0
Aroclor-1242	0	1	18	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1248	0	1	18	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1254	0	1	18	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1260	0	1	18	0	0	0	None	46.10810811	0		0	1000	0
Aroclor-1262	0	1	18	0	0	0	None	36.81081081	0		0	1000	0
Aroclor-1268	1	1	6.8	6.8	6.8 J	6.8 J	ES1100AC-002(0.5-1.0)	46.10810811	0		0	1000	0
beta-BHC	0	1	0.95	0	0	0	None	2.386111111	0	3.9	0	340	0
delta-BHC	0	1	0.95	0	0	0	None	2.316666667	0	1.1	0	97	0
Dieldrin	0	1	1.8	0	0	0	None	13.09305556	0	7	0	38	0
Endosulfan I	0	1	0.95	0	0	0	None	4.523611111	0	8400	0	410000	0
Endosulfan II	0	1	1.8	0	0	0	None	4.723611111	0	8400	0	410000	0
Endosulfan Sulfate	0	1	1.8	0	0	0	None	4.691666667	0	8400	0	410000	0
Endrin	0	1	1.8	0	0	0	None	4.770833333	0	0	0	20000	0
Endrin Aldehyde	0	1	1.8	0	0	0	None	4.558333333	0	0	0	20000	0
Endrin Ketone	0	1	1.8	0	0	0	None	5.306944444	0	0	0	20000	0
gamma-BHC	0	1	0.95	0	0	0	None	2.411111111	0	40	0	20000	0
gamma-Chlordane	1	1	1.3	1.3	1.3 J	1.3 J	ES1100AC-002(0.5-1.0)	2.672222222	0	66	0	490	0
Heptachlor	0	1	0.95	0	0	0	None	2.186111111	0	13	0	140	0
Heptachlor Epoxide	0	1	0.95	0	0	0	None	2.331944444	0	20	0	67	0
Methoxychlor	0	1	9.5	0	0	0	None	22.25	0	8000	0	340000	0
Toxaphene	0	1	95	0	0	0	None	236.4472222	0	600	0	560	0

Notes: CT PMC - State of Connecticut Pollutant Mobility Criteria for GB Aquifers
CT DEC - State of Connecticut Direct Exposure Criteria for Residential Soils
CT AWQC - State of Connecticut Ambient Water Quality Criteria (water and organism)
J - Quantitation Approximate
* - The number of samples analyzed does not include results that were rejected during the data validation process.

U - Not Detected; UJ - Detection Limit Aproximate; J - Quantitation Approximate;
* - from dilution; R - Rejected; NA - Not Analyzed; EMPC - Estimated Maximum Possible Concentration

TABLE 4-14
CORRELATIONS AMONG CONTAMINANTS OF CONCERN
DRAFT FINAL REMEDIAL INVESTIGATION
RAYMARK - FERRY CREEK - OU3 - AREA III
STRATFORD, CONNECTICUT

Area D

Only correlation coefficients significant at $p < 0.005$ are shown. 22 to 32 samples.

Chemical	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc	PAHs	PCBs	TCDD
Arsenic	1	0.81	0.83	0.71	0.72		0.94	0.66	0.91			
Cadmium	0.81	1	0.73	0.68	0.73		0.85	0.80	0.91			
Chromium	0.83	0.73	1	0.68	0.51	0.55	0.86	0.69	0.81			
Copper	0.71	0.68	0.68	1	0.87		0.81	0.68	0.85			
Lead	0.72	0.73	0.51	0.87	1		0.80	0.69	0.82	0.53		
Mercury			0.55			1						
Nickel	0.94	0.85	0.86	0.81	0.80		1	0.75	0.95			
Silver	0.66	0.80	0.69	0.68	0.69		0.75	1	0.76			
Zinc	0.91	0.91	0.81	0.85	0.82		0.95	0.76	1			
Total PAHs					0.53					1		0.59
Total PCBs											1	0.73
2,3,7,8-TCDD TEQ										0.59	0.73	1

Area E

Correlation coefficients at $p < 0.005$. 7 - 9 samples.

Chemical	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc	PAHs	PCBs	TCDD
Arsenic	1											
Cadmium		1										
Chromium			1									
Copper				1	0.97						0.88	
Lead				0.97	1						0.85	
Mercury						1						
Nickel							1					
Silver								1				
Zinc									1			
Total PAHs										1		
Total PCBs				0.88	0.85						1	
2,3,7,8-TCDD TEQ												1

Reference

Correlation coefficients at $p < 0.05$. Alpha level increased because of low number of samples, 3 - 4.

Chemical	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc	PAHs	PCBs	TCDD
Arsenic	--					0.99						
Cadmium		--			0.96				0.98			
Chromium			--	0.99			0.99	0.98				
Copper			0.99	--			0.97	0.95				
Lead		0.96			--							
Mercury	0.99					--						
Nickel			0.99	0.97			--	1.00				
Silver			0.98	0.95			1.00	--				
Zinc		0.98							--			
Total PAHs										--		
Total PCBs											--	
2,3,7,8-TCDD TEQ												--

TABLE 4-14 (cont.)
CORRELATIONS AMONG CONTAMINANTS OF CONCERN
DRAFT FINAL REMEDIAL INVESTIGATION
RAYMARK - FERRY CREEK - OU3 - AREA III
STRATFORD, CONNECTICUT

All Surface Sediment Data

Correlation coefficients at $p < 0.005$. 164 - 244 samples.

Chemical	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc	PAHs	PCBs	TCDD
Arsenic	1	0.48	0.67	0.55	0.53	0.51	0.68	0.55	0.60		0.2	
Cadmium	0.48	1	0.59	0.59	0.60	0.30	0.70	0.51	0.77	0.49	0.21	0.39
Chromium	0.67	0.59	1	0.79	0.65	0.54	0.80	0.49	0.72	0.35	0.28	0.44
Copper	0.55	0.59	0.79	1	0.87	0.39	0.83	0.43	0.80	0.48	0.50	0.68
Lead	0.53	0.60	0.65	0.87	1	0.29	0.80	0.38	0.77	0.55	0.60	0.62
Mercury	0.51	0.30	0.54	0.39	0.29	1	0.39	0.42	0.41			0.29
Nickel	0.68	0.70	0.80	0.83	0.80	0.39	1	0.46	0.85	0.42	0.45	0.49
Silver	0.55	0.51	0.49	0.43	0.38	0.42	0.46	1	0.48			0.24
Zinc	0.60	0.77	0.72	0.80	0.77	0.41	0.85	0.48	1	0.56	0.34	0.58
Total PAHs		0.49	0.35	0.48	0.55		0.42		0.56	1	0.38	0.55
Total PCBs	0.1955	0.21	0.28	0.50	0.60		0.45		0.34	0.38	1	0.50
2,3,7,8-TCDD TEQ		0.39	0.44	0.68	0.62	0.29	0.49	0.24	0.58	0.55	0.50	1

TABLE 4-15
CORRELATIONS AMONG CONTAMINANTS OF CONCERN - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Area II and III
Only correlation coefficients significant at p<0.005 are shown. 12-40 samples (asbestos and lead with 357 and 359 samples)

	Asbestos	Lead	Aroclor 1262	Aroclor 1268	Arsenic	Chromium	Dieldrin	Total Aroclors	Total Aroclors (Conservative)	Benzo(a)-anthracene	Benzo(b)-fluoranthene	Benzo(a)-pyrene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)-pyrene	Dioxins (as TEQ)	Total PAHs
Asbestos	1	0.51824	0.55131	0.60093				0.63625	0.6408							0.59191
Lead	0.51824	1	0.6979	0.75614			0.45293	0.74937	0.67243		0.49486	0.48585				0.587
Aroclor 1262	0.55131	0.6979	1	0.77483			0.72377	0.91209	0.86493						0.78347	
Aroclor 1268	0.60093	0.75614	0.77483	1			0.74475	0.90289	0.83813						0.7662	
Arsenic					1											
Chromium						1										
Dieldrin		0.45293	0.72377	0.74475			1	0.79563	0.74773							
Total Aroclors	0.63625	0.74937	0.91209	0.90289			0.79563	1	0.9378						0.82632	0.44925
Total Aroclors (Conservative)	0.6408	0.67243	0.86493	0.83813			0.74773	0.9378	1						0.78629	
Benzo(a)anthracene		0.46741								1	0.97381	0.96557	0.64384	0.93643		0.86135
Benzo(b)fluoranthene		0.49486								0.97381	1	0.94274	0.61053	0.90604		0.86894
Benzo(a)pyrene		0.48585								0.96557	0.94274	1	0.67252	0.9575		0.87182
Dibenz(a,h)anthracene										0.64384	0.61053	0.67252	1	0.77196		0.4605
Indeno(1,2,3-cd)pyrene										0.93643	0.90604	0.9575	0.77196	1		0.76215
Dioxins (as TEQ)			0.78347	0.7662				0.82632	0.78629							
Total PAHs	0.59191	0.587						0.44925		0.86135	0.86894	0.87182	0.4605	0.76215		1

Area D -Surface soils
Only correlation coefficients significant at p<0.05 are shown. 3-8 samples (asbestos and lead with 71 samples)

	Asbestos	Lead	Aroclor 1262	Aroclor 1268	Arsenic	Chromium	Dieldrin	Total Aroclors	Total Aroclors (Conservative)	Benzo(a)-anthracene	Benzo(b)-fluoranthene	Benzo(a)-pyrene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)-pyrene	Dioxins (as TEQ)	Total PAHs
Asbestos	1	0.66265														
Lead	0.66265	1	0.71659			-0.78632		0.89041	0.7606					0.99732		
Aroclor 1262			1				0.74976	0.86262	0.83032							
Aroclor 1268				1												
Arsenic					1											
Chromium		-0.7863				1		-0.71751			-0.99997					
Dieldrin			0.74976				1									
Total Aroclors		0.89041	0.86262			-0.71751		1	0.94897	0.9991	0.9995	0.99781				
Total Aroclors (Conservative)		0.7606	0.83032					0.94897	1	1		0.99965				0.99845
Benzo(a)anthracene								0.9991	1	1	0.99726	0.99972				0.9986
Benzo(b)fluoranthene						-0.99997		0.9995	0.99746	0.99726	1					
Benzo(a)pyrene								0.99781	0.99965	0.99972		1				0.99957
Dibenz(a,h)anthracene													1			
Indeno(1,2,3-cd)pyrene		0.99732												1		
Dioxins (as TEQ)															1	
Total PAHs									0.99845	0.9986		0.99957				1

TABLE 4-15 (cont.)
CORRELATIONS AMONG CONTAMINANTS OF CONCERN - SOIL
DRAFT FINAL REMEDIAL INVESTIGATION - AREA III
RAYMARK - FERRY CREEK - OU3
STRATFORD, CONNECTICUT

Area D -Subsurface soils
Only correlation coefficients significant at p<0.05 are shown. 4-16 samples (asbestos and lead with 62 samples)

	Asbestos	Lead	Aroclor 1262	Aroclor 1268	Arsenic	Chromium	Dieldrin	Total Aroclors	Total Aroclors (Conservative)	Benzo(a)-anthracene	Benzo(b)-fluoranthene	Benzo(a)-pyrene	Dibenz(a,h)-anthracene	Indeno(1,2,3-cd)-pyrene	Dioxins (as TEQ)	Total PAHs
Asbestos	1	0.66091	0.7618	0.77672			0.65989	0.78429	0.75148						0.95531	0.56941
Lead	0.66091	1	0.7753	0.84961			0.75809	0.84275	0.84631						0.98154	
Aroclor 1262	0.7618	0.7753	1	0.93026			0.76888	0.94533	0.90534						0.96993	
Aroclor 1268	0.77672	0.84961	0.93026	1			0.85681	0.99799	0.99421							
Arsenic					1											
Chromium						1							-0.5257			
Dieldrin	0.65989	0.75809	0.76888	0.85681			1	0.83159	0.81787							
Total Aroclors	0.78429	0.84275	0.94533	0.99799			0.83159	1	0.99175							
Total Aroclors (Conservative)	0.75148	0.84631	0.90534	0.99421			0.81787	0.99175	1							
Benzo(a)anthracene										1	0.99175	0.98557	0.85277	0.97383		0.88474
Benzo(b)fluoranthene										0.99175	1	0.98418	0.84751	0.97293		0.86322
Benzo(a)pyrene										0.98557	0.98418	1	0.80751	0.94836		0.91051
Dibenz(a,h)anthracene										0.85277	0.84751	0.80751	1	0.9255		0.56559
Indeno(1,2,3-cd)pyrene										0.97383	0.97293	0.94836	0.9255	1		0.79049
Dioxins (as TEQ)	0.95531	0.98154	0.96993				0.9742	0.95219							1	
Total PAHs	0.56941									0.88474	0.86322	0.91051	0.56559	0.79049		1